

BIOSOLIDS MANAGEMENT COMPLIANCE REPORT EPA 40 CFR Part 503
Year 2021



February 14, 2022

Jayne Joy, Executive Officer California Regional Water Quality Control Board, Santa Ana Region 3737 Main Street, Suite 500 Riverside, CA 92501-3348

SUBJECT: Orange County Sanitation District Annual Compliance Report

Enclosed please find the Orange County Sanitation District (OC San) Biosolids Management Compliance Report as required under the 40 CFR Part 503 regulations, Arizona Administrative Code Article 10, and the National Pollution Discharge Elimination System (NPDES) Permit No. CA0110604, Order No. R8-2021-0010, Attachment G.

OC San has uploaded this report into the EPA biosolids electronic reporting database and submitted e-mail copies to state and local regulators. A copy of OC San's EPA electronic report is included as Appendix D.

#### **Certification Statement**

The following certifications satisfy procedural requirements as listed in section V.B.5 of the Orange County Sanitation District NPDES Permit No. CA0110604 and 40 CFR part 503, section 503.17 for the submittal of the attached compliance report for calendar year 2020.

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, comments, or require additional data, please contact Deirdre Bingman at (714) 593-7459. I can be reached at (714) 593-7450.

Lan C. Wiborg

Director of Environmental Services

LCW:DEB:pe

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**Enclosures** 

Serving:

Anaheim

Brea

Buena Park

Cypress

Fountain Valley

Fullerton

Garden Grove

**Huntington Beach** 

Irvine

La Habra

La Palma

Los Alamitos

Newport Beach

Orange

Placentia

Santa Ana

Seal Beach

Stanton

Tustin

Villa Park

County of Orange

Costa Mesa Sanitary District

Midway City Sanitary District

Irvine Ranch Water District

Yorba Linda Water District February 14, 2022

Sondra Francis Arizona Department of Environmental Quality Water Permits Section 1110 West Washington Street, 5415-B-3 Phoenix, AZ 85007

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OC San has uploaded this report to the EPA biosolids electronic reporting database and submitted e-mail copies to state and local regulators. A copy of OC San's Arizona biosolids annual reporting form is included as Appendix E, and the EPA electronic report is included as Appendix D.

#### **Certification Statement**

The following certifications satisfy procedural requirements as listed in Arizona Administrative Code Article 10 under section R18-9-1013 for the submittal of the attached EPA 40 CFR Part 503 Compliance Report for calendar year 2021.

**Arizona Class B:** I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

If you have any questions, comments, or require additional data, please contact Deirdre Bingman at (714) 593-7459. I can be reached at (714) 593-7450.

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Costa Mesa Sanitary District

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Irvine Ranch Water District

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#### **BIOSOLIDS MANAGEMENT COMPLIANCE REPORT**

Introduction	1
Regulatory Requirements	1
Accomplishments	3
Treatment Plants	5
Biosolids Management	6
Summary of Pollutants	8
Determination of Hazardousness	8
Biosolids Management System	9

#### APPENDIX A

Table 1: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 1 Table 2: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 2 Biosolids Monthly Compliance Reports, January – December 2021

#### **APPENDIX B**

OC San's Resource Protection Division, Pretreatment Program's Annual Report, FY 2020-2021, Solids Management Program, Chapter 8

#### **APPENDIX C**

Summary of Biosolids Monitoring Results

#### APPENDIX D

EPA Biosolids Annual Report Electronic Form, Plant No. 1 EPA Biosolids Annual Report Electronic Form, Plant No. 2

#### APPENDIX E

Arizona Department of Environmental Quality Biosolids Annual Report Form

#### APPENDIX F

**Biosolids Program History** 

# 2021 BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

Introduction
Regulatory Requirements
Accomplishments
Treatment Plants
Biosolids Management
Summary of Pollutants
Determination of Hazardousness
Biosolids Management System

#### Introduction

The Orange County Sanitation District (OC San) manages biosolids, which consist of the nutrient-rich organic matter recovered through the treatment of wastewater onsite and used offsite (recycled), in accordance with all local, state, and federal regulations and best management practices.

OC San is a public agency that provides wastewater collection, treatment, and recycling services for approximately 2.6 million people in central and northwest Orange County, California. OC San is a special district that is governed by a Board of Directors consisting of twenty-five (25) board members appointed from twenty (20) cities, four (4) special districts, and one (1) representative from the Orange County Board of Supervisors. OC San has two (2) plants, Plant No.1 in the city of Fountain Valley and Plant No. 2 in the city of Huntington Beach, CA that treat wastewater from residential, commercial, and industrial sources. During fiscal year 2020-21 (July 1, 2020 to June 30, 2021) OC San treated an average daily sewage influent flow of 183 million gallons per day (MGD).

- This report summarizes OC San's activities and performances for the compliancereporting period of January 1 to December 31, 2021.
- During this last calendar year (2021) OC San produced 198,349 wet tons of biosolids (45,257 dry metric tons), which equates to an average of 543 wet tons per day of biosolids including digester cleanings managed in compliance with "Class B" biosolids management practices as defined in 40 CFR Part 503 (see Regulatory Requirements section).

#### **Regulatory Requirements**

OC San treats and manages its biosolids in accordance with OC San's NPDES Permit, Arizona Administrative Code Title 18, Ch. 9, Article 10 (R18-9), and United States Environmental Protection Agency (USEPA) Code of Federal Regulations Title 40 Part 503 (503).

OC San's NPDES permit requires the following annual reporting for biosolids:

Table 1 – OC San NPDES Permit Requirements		
Requirement	Annual Report Related Section	
Biosolids Report. By February 19th of each year, the Discharger shall submit an annual biosolids report into USEPA's CDX electronic reporting system, with an electronic copy to the Santa Ana Water Board by email at <a href="mailto:santaana@waterboards.ca.gov">santaana@waterboards.ca.gov</a> , for the period covering the previous calendar year (January 1 through December 31). The annual reports shall contain, but not be limited to, the information required in the attached Biosolids Reporting Requirements (Attachment G), or an approved	Appendix E contains the submitted USEPA CDX electronic report plus this entire report is emailed to USEPA, Water Board, and Arizona regulators.	

Table 1 – OC San NPDES Permit Requirements		
Requirement	Annual Report Related Section	
revised version thereof. If the Discharger is not in compliance with any conditions or requirements of this Order/Permit, the Discharger shall include the reasons for noncompliance and shall state how and when the Discharger will comply with such conditions and requirements.		
The Discharger shall submit an annual biosolids report into USEPA's CDX electronic reporting system, with an electronic copy to the Santa Ana Water Board by email at <a href="mailto:santaana@waterboards.ca.gov">santaana@waterboards.ca.gov</a> , by February 19 of each year for the period covering the previous calendar year.	Appendix E contains the submitted USEPA CDX electronic report plus this entire report is emailed to USEPA, Water Board, and Arizona regulators.	
The report shall include the tonnages of biosolids (reported in dry metric tons, 100% dry weight), that were land applied (without further treatment by another party), land applied after further treatment by another preparer, disposed in a sludge-only surface disposal site, sent to a landfill for alternative cover or fill, stored on site or off site, or used for another purpose.	Table 3 below, Appendix E	
The report shall include the following attachments:  1. Monitoring results from laboratories (results only, QA/QC pages not required). Copies of original lab reports must be available upon request and confirm the results are on a 100% dry weight basis. Lab reports for fecal coliforms must show the time the samples were collected and the time analysis was started.	Lab reports are available on OC San internal network.	
If operational parameters were used to demonstrate compliance with pathogen reduction and vector attraction reduction, the minimum mean of these parameters for each sampling period (i.e., minimum mean cell residence times (MCRTs) and temperatures).	Appendix A	
3. If biosolids are stored on-site or off-site for more than 2 years, the information required in 40 CFR § 503.20(b) to demonstrate that the storage is temporary	Not applicable (no biosolids stored).	
If biosolids were land applied, the Discharger shall have the person applying the biosolids submit a pdf report to USEPA and State agency showing the name of each field; location, ownership, size in acres; the dates of applications, seedings, harvesting; the tonnage applied to field, in actual and dry weight; the calculated Plant Available	Tule Ranch/Ag-Tech is required to independently submit to USEPA and Arizona regulators.	

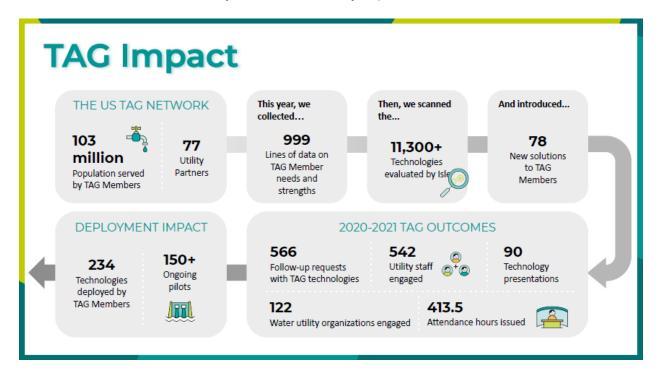
Table 1 – OC San NPDES Permit Requirements	
Requirement Annual Report Relate Section	
Nitrogen; and copies of applier's certifications of	
management practices and site restrictions.	

#### **Accomplishments**

Despite the global pandemic, OC San has continued without major operational or biosolids management interruptions. Highlights from the reporting period include:

- Beneficial Reuse: Recycled 99% of OC San's biosolids with about 1% digester cleaning materials that went to La Paz County (Arizona) and Holloway (California) landfills before the contract was amended to go to Liberty Compost (California).
- Digester Cleanings: As part of the newly-awarded, multi-year digester cleaning contract, American Processing Group (APG) cleaned nine digesters including the first working digesters to begin the 5-year cleaning cycle and one-year holding digesters cleaning cycle.
- Plant No. 2 Temperature-Phased Anaerobic Digester (TPAD) Facility: This project will build six new thermophilic digesters and Class A batch tanks. The project started the design phase in January 2022, construction is scheduled to begin in July 2025 and last 5 years.
- Food Waste Treatment Policy Initiative: As part of the implementation of the 2017 Biosolids Master Plan, 2021 Strategic Plan, and as part of the General Manager's Work Plan goal for Fiscal Year 2021-22, OC San had conducted a market assessment of available pre-processed food waste feedstock for co-digestion and is on standby to secure bids to construct P2-124 "Interim Food Waste Receiving Facility" at Plant No. 2. Three prospective municipal solid waste haulers expressed interest in providing food waste feedstock and each is engaged in feasibility assessment and business case evaluation. OC San continues to negotiate with Orange County solid waste haulers to secure a high-quality and reliable food waste feedstock for P2-124. As designed, the pilot project is capable of receiving between 150 to 250 wet tons of pre-processed food waste to be co-digested in OC San's anaerobic digesters at Plant No. 2. The added organic feedstock will account for about a 10% increase of biogas production that will be used to generate electricity.
- Biosolids Management Policy Initiative Biosolids Thermal Conversion: As directed by the 2019 Strategic Plan, a request for information (RFI) was issued for biosolids thermal conversion technologies (BTC) in April 2020. This process continued into 2021 with contract negotiations resulting in a sole-source demonstration contract awarded to Anergia's Rialto Bioenergy Facility (RBF) in July 2021. RBF is currently running belt dryers to produce >90% total solids dry pellets and is scheduled to install a pyrolysis unit in 2022 to produce biochar. In additional to energy generation, the pyrolysis technology has the potential to destroy PFAS compounds.

- Supercritical Water Oxidation Research Demonstration Project: In December 2021, OC San's Board of Directors approved a contract with 374Water Systems, Inc. to install a small (6 tons per day of solids) supercritical water oxidation demonstration unit at Plant No. 1. Staff has been following this new technology for solids treatment for several years. This technology takes advantage of a unique property of water at high temperature and pressure to convert all complex organic material (including plastics and PFAS) to more basic and benign compounds like nitrogen, water, carbon dioxide, and mineral salts. The unit is expected to be installed in 2022 and begin operation by early 2023.
- Research: OC San's Research Program continues to stay abreast of advanced technologies. Isle Utilities facilitates the Technology Advisory Group (TAG) that OC San participates in as an integral part of its Research Program. The TAG screens and evaluates potential beneficial technologies for the wastewater industry. Quarterly, OC San hosts the Western Wastewater TAG meeting to learn of the most promising technologies screened by Isle (TAG research consultant) that members may choose to pilot. OC San continues to stay current in biosolids and energy recovery technologies through this process. Below is an infographic explaining the expansive TAG network, the general process, and some key outcomes from the Isle 2021 year-end summary report.



- Recognitions: OC San's Awards and Honors (<u>www.ocsan.gov/about-us/awards-and-honors</u>) webpage features this year's awards, including:
  - Excellence Award from the California Association of Sanitation Agencies for Asset Management Program
  - The National Association of Clean Water Agencies:
    - Platinum Peak Performance Award
    - Excellence in Management Recognition
  - Achievement of Excellence in Procurement from the National Procurement Institute

- Distinguished Budget Presentation Award from the Government Finance Officers Association for the FY 2020-21
- o The California Water Environment Association
- Collections System of the Year: 2nd place
- The National Safety Council:
  - Occupational Excellence Achievement Award: Plant No. 1
  - Milestone Award: Plant No. 2
- Santa Ana River Basin Section (SARBS) of the California Water Environmental Agency (CWEA):
  - Operator of the Year Gold Michael Huls
  - Collection System Person of the Year Steve Grande
  - Collection System of the Year, 200 500 miles category
  - Gimmicks and Gadgets Alkaline Enhanced Iron Odor Control

#### **Treatment Plants**

Reclamation Plant No. 1, located in the city of Fountain Valley, treated an average of 119 MGD of wastewater. Treatment Plant No. 2, located in the city of Huntington Beach, treated an average of 64 MGD of wastewater during the most recent fiscal year.

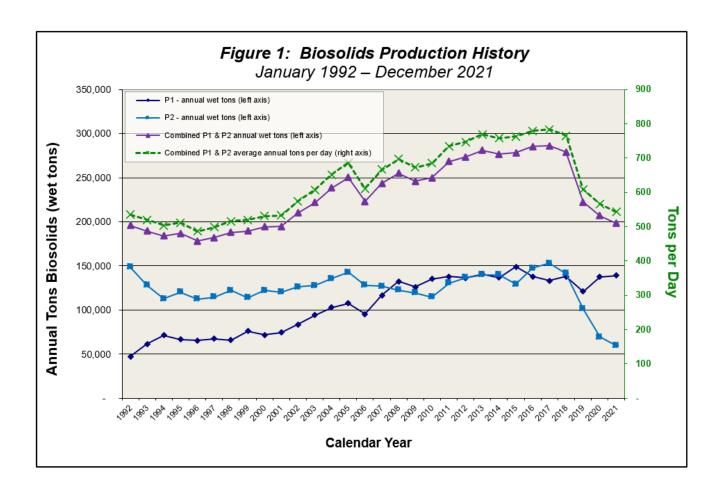
Dewatered biosolids averaged 24% total solids at Plant No. 1 and 27% total solids at Plant No. 2. Detailed data, including monthly averages, annual totals, and analytical results, can be viewed in Figure 1 and Table 2 below, as well as in Appendices A, B, C, and D.

The Irvine Ranch Water District (IRWD) historically discharged its untreated solids (sludge) to OC San. In 2021, IRWD completed commissioning of its new solids treatment facility and effectively ceased its solids discharge to OC San. As a result, OC San saw a 24 ton-per-day (4%) reduction in biosolids production in 2021 over the prior year.

OC San's biosolids met the following regulatory standards and/or criteria:

- OC San's biosolids are digested for at least 15 days at a minimum of 95 degrees Fahrenheit, with a volatile solids destruction of at least 38%.
- OC San's anaerobically digested biosolids meet compliance with the "Class B Pathogen Reduction" and "Vector Attraction Reduction" definition for "Class B" biosolids as defined in 40 CFR Part 503.32(b)(3) (PSRP 3) and 503.33(b)(1).
- Tule Ranch-AgTech's standard operating procedure includes biosolids incorporation within six (6) hours which meets 40 CFR Part 503.33(b)(10) requirement for "Vector Attraction Reduction," which is a valuable redundancy in the case of rare events when OC San experiences challenges meeting the Vector Attraction Reduction standard at the plants.
- OC San's compost contractors' processes meet Class AEQ standards, and therefore OC San is not required to meet Class B standards at the plants in order to utilize for these biosolids management options.

See the Accomplishments section for an update on the new digester cleaning contract.



## **Biosolids Management**

For this reporting period, biosolids produced at OC San's two treatment facilities were managed by the contractors listed below in Table 2.

As mentioned in the Biosolids Management Policy Initiative in the Accomplishments section, OC San contracted with RBF in 2021. OC San began sending up to 100 tons per day to RBF in September 2021.

Table 2- Biosolids Management Contractors		
Synagro - Nursery Products PO Box 1439 Helendale, CA 92342 Contact: Venny Vasquez, Manager Phone: (760) 265-5210 Email: vvasquez@SYNAGRO.com	Synagro – South Kern Compost Manufacturing Facility PO Box 265 Taft, CA 93268 Contact: Rob Rankin, Manager Phone: (661) 765-2200	
Zinaii. Wasqas2@STW.tSrts.som	Email: rrankin@SYNAGRO.com	

Table 2- Biosolids Management Contractors		
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Contact: Patrick McCarthy, Manager Phone: (661) 797-2914 Email: patrickmccarthy@mccarthyfarms.com	Synagro – Arizona Soils 5615 S. 91st Avenue Tolleson, AZ 85353 Contact: Craig Geyer, Manager Phone: (623) 936-6328 Email: CGeyer@SYNAGRO.com	
Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 Contact: Kurt Wyrick, Manager Phone: (559) 970-9432 Email: kurt@westexp.com	Inland Empire Regional Composting Authority 12645 6th Street Rancho Cucamonga, CA 91739 Contact: Jeff Ziegenbein, Manager Phone: (909) 993-1981 Email: jziegenbein@ieua.org	
Rialto Bioenergy Facility 503 East Santa Ana Avenue, Rialto, CA 92316 Contact: John Hutson, Facility Manager Phone: (224) 500-7712 Email: John.Hutson@anaergia.com		

These contractors provide OC San with biosolids management diversification and reliability, and are therefore important partners to OC San. The contractors submit their annual compliance reports directly to USEPA, in accordance with OC San's NPDES permit requirements. For this reporting period, OC San's biosolids were beneficially reused as illustrated in Table 3. More detailed breakdowns are available in Appendices A and D.

Table 3 - Biosolids Managed Tonnage Distribution

Quantity Generated	Plant No. 1	Plant No. 2	Total	Relative %
Tule Ranch AZ (land application) (wet tons)	26,212	45,614	71,826	36%
Tule Ranch AZ (land application) (dry metric tons)	5,637	11,232	16,869	
Liberty Compost CA (wet tons)	36,818	2,881	39,699	20%
Liberty Compost CA (dry metric tons)	8,197	744	8,941	
Rialto Bioenergy Facility CA - heat drying (wet tons)	2,570	100	2,670	1%
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	584	25	610	
Synagro - Nusery Products CA - (compost) (wet tons)	48,809	0	48,809	25%
Synagro - Nusery Products CA - (compost) (dry metric tons	10,466	0	10,466	
Synagro - South Kern - compost (wet tons)	22,984	0	22,984	11.6%
Synagro - South Kern - compost (dry metric tons)	5,025	0	5,025	
Synagro - AZ Soils - compost (wet tons)	736	0	736	0.4%
Synagro - AZ Soils - compost (dry metric tons)	171	0	171	
Inland Empire Regional Composting (wet tons)	0	9,521	9,521	4.8%
Inland Empire Regional Composting (dry metric tons)	0	2,340	2,340	
La Paz Landfill, AZ (landfill) (wet tons)	0	49	49	0.0%
La Paz Landfill, AZ (landfill) (dry tons)	0	23	23	
Holloway, CA (landfill) (wet tons)	849	1,205	2,054	1.0%
Holloway, CA (landfill) (dry tons)	322	491	813	
Total Wet Tons	138,978	59,371	198,349	100%
Total Dry Metric Tons	30,402	14,855	45,257	

### **Summary of Pollutants**

OC San's Biosolids Monthly Compliance Reports (Appendix A) compare the limits of the pollutants listed in 40 CFR 503 to OC San's average biosolids concentrations for each plant. The average concentrations of all pollutants in OC San's biosolids are typically an order of magnitude below the conservative "Table 1 Ceiling Limits" and "Table 3 Exceptional Quality Limits" found in 40 CFR Part 503, which were based on an extensive health risk assessment to ensure that biosolids are safe for recycle to build healthy soil.

Since 1976, OC San's Pretreatment Program has reduced the average mass of metals discharged to the marine environment by 99% and the total mass of metals in the influent sewage by 84%, thereby ensuring OC San's biosolids can be recycled to farm fields with low metals concentrations. Appendix B contains the biosolids chapter excerpt from the OC San Pretreatment Program Annual Report (<a href="https://ocsan.gov/PreTreatAnnual">ocsan.gov/PreTreatAnnual</a>, Chapter 8) that includes graphs of metals in OC San's biosolids.

#### **Determination of Hazardousness**

OC San's biosolids' pollutant concentrations are significantly below the state and federal maximum contaminant concentrations for determining a hazardous waste. See OC San's biosolids monitoring data in Appendix C, Summary of Biosolids Monitoring Results.

#### **Legal Definitions**

To ensure OC San's biosolids program continues to meet the definition of biosolids per federal regulations (40 CFR 503, referenced in OC San NPDES permit), OC San annually verifies its biosolids are non-hazardous. Although OC San does not anticipate its sewage sludge to ever be classified as hazardous, should that highly unlikely scenario occur, the affected biosolids will be managed via 40 CFR 261 and disposed of in accordance with the Resource Conservation and Recovery Act. Relevant regulations regarding hazardous waste are found in the California Code of Regulations Title 22.

#### **Determination Summary**

OC San's biosolids are determined to be non-hazardous based on the following evaluation:

- OC San's biosolids are not ignitable, corrosive, reactive, nor toxic in accordance with the federal regulatory definitions in 40 CFR Part 261.
- OC San performs annual testing of an extensive list of organic and inorganic compounds to verify the continued non-hazardousness of our biosolids.
- When the results are non-detectable, OC San enters the method detection limit in the evaluation spreadsheet that compares the data to regulatory limits.

#### **Biosolids Management System**

The following sections highlight OC San's continued commitment to the biosolids management system.

#### Communications

OC San has continued transparent communications during this reporting period. OC San posts timely updates including biosolids news, biosolids videos (<a href="https://www.youtube.com/OrangeCountySanitationDistrict">www.youtube.com/OrangeCountySanitationDistrict</a>), and updated OC San resources such listed below:

- Monthly compliance reports and data (<u>www.ocsan.gov/nani</u>),
- Annual compliance reports (www.ocsan.gov/503),
- Biosolids Contractor Requirements document (www.ocsan.gov/bcr), and
- Biosolids allocation map (www.ocsan.gov/map).

#### Contractor Oversight Program

OC San has continued our strong contractor oversight program as demonstrated by the following accomplishments:

- Returned to performing in-person inspections when possible after COVID had reduced inspections in 2020,
- Performed six (6) contractor site inspections in 2021,

- Developed new inspection schedule and site inspection templates,
- One (1) new OC San contractor (Rialto Bioenergy Facility) was onboarded and inspected.
- The following Notice of Violations (NOVs) were issued for two (2) biosolids contractors by local enforcement agencies for this reporting period. OC San has closely monitored each open NOV:
  - o Nursery Products:
    - The Mojave Desert Air Quality Management District (AQMD) issued an NOV for a fire that occurred onsite due to high winds. This NOV was closed out in 2021 with improvements to onsite pile monitoring procedures.
    - San Bernardino County Public Health is the Local Enforcement Agency (LEA) and performs inspections for the Nursery Products' compost facility permit. The LEA issued two NOVs, which both related to the receipt of non-permitted food waste contained in mixed green waste shipments. The LEA also issued an NOV for litter migrating offsite. Synagro continues to address these NOVs which are expected to be closed out in early 2022.

#### Tule Ranch:

- The ADEQ issued an NOV prompted by a neighbor complaint and follow-up inspections in 2020. The NOV was closed out after Tule Ranch addressed ADEQ's questions.
- Outside of NOVs and Areas of Concern mentioned above, there were no additional inspection findings,
- No new odor complaints, and
- Performed 27 hauling inspections, which reached 27 out of 49 regular drivers this
  year. There are 21 active drivers who are currently on OC San's "Honor Roll" for
  successfully passing three consecutive hauler inspections by demonstrating their
  excellence in truck cleanliness and knowledge of biosolids and emergency
  protocols.

#### Goals and Targets

OC San's 2021 Strategic Plan is a guiding document that provides a framework that directs its operations and priorities. Every two years, the Strategic Plan is reviewed, updated, and submitted for approval by the Board of Directors. Two Strategic Plan initiatives are related to biosolids: Food Waste Treatment Policy and Biosolids Management Policy, and these initiatives' updates are provided in the Accomplishments section of this report. The Strategic plan is available on the OC San Strategic Planning website (<a href="https://www.ocsan.gov/services/strategic-planning">www.ocsan.gov/services/strategic-planning</a>).

#### **Biosolids Program Policy**

The Biosolids Program Policy, originally adopted in 1999 and amended several times over the years, is a policy committing the agency to support biosolids beneficial reuse (organics recycling). The most recent commitments, OC San Resolution 13-03

(<u>www.ocsan.gov/bios-policy</u>), and OC San's performance relative to these commitments are reported below.

Table 3 – Policy Performance		
Policy Commitment	2021 Performance	
Commit to sustainable biosolids program     Support the recycling of biosolids.	OC San has demonstrated effective pretreatment, water and solids treatment operations, compliance, capital improvements, technology research and planning, and biosolids contractor oversight programs.  See the Accomplishments at the beginning of this report for more details.	
Strive to balance financial, environmental, and societal considerations when making biosolids decisions.	OC San weighs these considerations and watches for issues that would alter the balance on a daily basis. See Ten Tenets reporting table below and the most current allocation map(www.ocsan.gov/map), which demonstrates how OC San balances these considerations.	
Utilize a biosolids management system to maintain a sustainable and publicly supported biosolids program.	OC San continues to maintain our biosolids management system as outlined in this section.	
Diversify portfolio of offsite biosolids management options with multiple biosolids contractors, markets, facilities, and maintaining fail-safe back-up capacity of at least 100% of its daily biosolids production.	See Table 2 for breakdown of our active biosolids management options.  See Table 4 for the Ten Tenets.	
Research and implement ways to reduce the volume of biosolids at the treatment plants to minimize the need for offsite management.	OC San's production of biosolids has reduced by 31% since the 2017 peak in biosolids production prior to OC San's Plant No. 1 and No. 2 new centrifuges commissioning.  OC San's Research Program actively seeks opportunities for process area improvements, including solids (see Accomplishments section).  OC San contracted for a demonstration supercritical water oxidation technology (see Accomplishments section).	
Support continuing research of biosolids benefits and potential safety concerns.	In July 2020, the California State Water Resource Control Board issued OC San and most other treatment plants an order to sample our wastewater and biosolids for a list of polyfluoroalkyl constituents (abbreviated as PFAS). OC San completed the required four quarters of sampling and submitted the final report. The State regulators will use this data to determine presence and absence of the constituents that will help in future policy or regulatory planning. In addition, OC San is supporting several PFAS research projects.  OC San has access to the Northwest Biosolids' library (www.nwbiosolids.org). The library contains references to over 2,600 biosolids-related	

Table 3 – Policy Performance		
Policy Commitment	2021 Performance	
	research articles references. Northwest Biosolids sends a monthly themed, relevant summary of research to its members, so staff can easily digest pertinent scientific information and better communicate with interested parties. Northwest Biosolids also has a free monthly e-Bulletin for non-members. OC San staff summarize the Northwest Biosolids monthly scientific article reviews in our internal quarterly biosolids report.  OC San continues to participate in several	
	regional, state and national biosolids associations and groups to stay informed of and participate in studies investigating the fate, transport, and characteristics of biosolids by helping to fund, providing in-kind services, and biosolids samples.	
Demonstrate the benefits of biosolids compost by using it at OC San's facilities.	OC San maintains compost piles at each plant. This compost is available to our employees and our landscape contractor to demonstrate the benefits of compost. OC San encourages employees to share their compost use photos.	
	In Fall of 2021, OC San launched a new Compost Outreach website ( <a href="www.ocsan.gov/compost">www.ocsan.gov/compost</a> ) and hosted a webinar for its member agencies to inform them of the opportunity to use biosolids compost to meet SB1383 requirements. Copies of the webinar materials and recording are available on the website.	

<u>Ten Tenets of OC San's Biosolids Management Plan</u>
Read more on OC San's Ten Tenets and the Biosolids Master Plan at <u>ocsan.gov/bmp</u>.

Table 4 – Ten Tenets of Biosolids Management Performance		
Tenet Commitment	2021 Performance	
Allocate up to 50 percent of biosolids per biosolids contractor.	Each contractor received <b>less than 50%</b> of OC San's biosolids (maximum of 31% each to two contractors). See Table 2 for relative tonnage distribution this year. See OC San's current map of where OC San's biosolids are allocated at <a href="https://ocsan.gov/map">ocsan.gov/map</a> .	
Allocate up to 50 percent of biosolids to each geographic end use market.	Sixty-three percent (63%) of OC San's biosolids were turned into compost at five (5) regional facilities. Combined, these facilities distributed 262,328 tons of composted biosolids in the following 16 geographic markets (increasing counties by almost 80% since 2018):  • 5% to San Bernardino County (24% decrease over last year), • 18% to Riverside County (7% decrease over last year), • 17% to Kern County (3% increase over last year), • 28% to Los Angeles County (16% increase over last year), • 8% to Kings County, (6% increase over last year), • 8% to Madera County, (4% increase over last year), • 5% to Fresno County, (3% increase over last year),	

	Table 4 – Ten Tenets of Biosolids Management Performance		
	Tenet Commitment 2021 Performance		
		<ul> <li>5% to La Paz County, AZ (2.7% increase over last year),</li> <li>1.5% to Orange County, (3.8% decrease over last year),</li> <li>3% to San Diego County, (about the same as last year),</li> <li>Heat-dried pellets were produced with 1% of OC San's</li> </ul>	
		biosolids at RBF. These pellets were used on farms in Arizona.	
		The remaining <b>36</b> % of OC San's biosolids were used to raise crops, producing 7,960 tons of mostly alfalfa and sudan with some oats, wheat, and sorghum for distribution to regional markets such as Arizona and California.	
3.	Maintain at least three (3) different biosolids management facilities at any time.	With the addition RBF as a new management facility in 2021, OC San regularly utilized <b>six (6)</b> different biosolids management facilities. See Table 3 for relative tonnage distribution this year. See OC San's current map of where OC San's biosolids are allocated at <a href="https://ocsan.gov/map">ocsan.gov/map</a> .	
4.	Maintain at least two (2) different biosolids management practices at any time.	With the addition RBF as a new management facility in 2021, OC San maintained <b>three (3)</b> different management practices, composting, land application (direct farming of feed crops with biosolids), and heat drying to produce pellets. See Table 3 for relative tonnage distribution this year. See OC San's current map of where OC San's biosolids are allocated at <a href="https://ocsan.gov/map">ocsan.gov/map</a> .	
5.	Maintain at least two (2) different hauling companies within the biosolids management portfolio.	OC San and its biosolids management contractors utilized three (3) different hauling companies (GIC, Tule Ranch/Western Express, and Denali Water Solutions).	
6.	Maintain at least 200 percent (2 times daily production) contingency capacity at end use sites.	OC San maintained biosolids management site contingency capacity of at about 1,200% (12 times daily production).	
7.	Maintain 20 percent (1.2 times daily production) fail-safe hauling capacity.	OC San's fail-safe hauling capacity decreased from its usual 36% to 11% by the end of the year. The United States is experiencing a shortage of more than 80,000 truck drivers, according to an estimate from the American Trucking Associations. Biosolids haulers are similarly experienced difficulties this year hiring drivers as well as periodic issues with COVID and holiday coverage. Haulers are increasing wages in order to attract more drivers.	
8.	Track and encourage development of emerging markets and/or end uses for biosolids, especially for local end use options.	The 2021 Strategic Plan, developed by the Board of Directors and staff, defines the strategic initiatives to be pursued by OC San and provides a basis for long-term financial, capital, and operational planning. The Biosolids Management Policy initiative in the document includes commitments to educate and advocate with the local, state, and federal agencies to assure biosolids will continue to be safely and legally used as a soil amendment and monitor and research constituents of emerging concern such as PFAS and microplastics that may impact biosolids. See the Accomplishments section for an update on OC San's efforts	

Table 4 – Ten Tenets of Biosolids Management Performance		
Tenet Commitment	2021 Performance	
	this year on the Food Waste Treatment and Biosolids Management policies.	
<ol> <li>Allocate up to 10 percent of total biosolids production for participation in emerging markets, including participation in pilot or demonstration projects.</li> <li>Explore partnerships with area soil blenders to allow incorporation of OC San's Class A product into local markets.</li> </ol>	See the Accomplishments section for an update on OC San's efforts this year on the Biosolids Management Policy Initiative, which included awarding RBF contract for heat drying and pyrolysis as well as an onsite demonstration of supercritical water oxidation.  OC San is following the work being done by San Francisco Public Utilities Commission on their research and development of their temperature-phase anaerobically digested biosolids soil blend product. In particular, the blend and product distribution to local markets. OC San's efforts will follow suit at the appropriate time since OC San's new solids handling facilities are expected to be commissioned in about 2030.	

## **APPENDIX A**

Table 1: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 1
Table 2: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 2
Biosolids Monthly Compliance Reports, January – December 2021

# Table 1: OC San Biosolids Wet and Dry Tonnage Distribution

Reclamation Plant No. 1, Fountain Valley, CA

								,		- <b>y</b> ,				
Biosolids Generated	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average	
Biosolids Total Solids (%)	23	22	23	24	22	23	24	25	26	25	26	25	24	
Management Locations	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Tota	al
Tule Ranch AZ - land application (wet tons)	2,734	2,312	2,678	2,503	2,103	2,156	1,965	2,214	1,672	1,865	2,019	1,988	26,212	
Tule Ranch AZ - land application (dry metric tons)	561	455	564	545	414	450	422	492	394	423	476	442	5,637	Wet Tons
Liberty Compost CA (wet tons)	2,573	2,502	3,125	3,030	3,054	2,977	2,753	2,852	2,349	1,947	2,961	2,781	32,904	138,978
Liberty Compost CA (dry metric tons)	527	492	658	660	601	621	592	634	554	441	698	618	7,096	
Rialto Bioenergy Facility CA - heat drying (wet tons)	0	0	0	0	0	0	0	94	584	1,154	0	738	2,570	Dry Tons
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	0	0	0	0	0	0	0	21	138	262	0	164	584	30,402
Synagro - Nusery Products CA - compost (wet tons)	4,819	4,522	4,600	4,574	4,515	4,561	4,636	3,341	3,236	3,063	3,289	3,653	48,809	
Synagro - Nusery Products CA - compost (dry metric tons)	988	890	968	996	889	951	997	742	763	695	776	812	10,466	
Synagro - South Kern - compost (wet tons)	1,081	1,281	1,813	1,711	1,811	1,708	1,557	2,608	2,566	2,416	2,396	2,035	22,984	
Synagro - South Kern - compost (dry metric tons)	222	252	381	372	357	356	335	580	605	548	565	452	5,025	
Synagro - AZ Soils - compost (wet tons)	0	0	0	0	0	0	0	0	0	25	514	197	736	
Synagro - AZ Soils - compost (dry metric tons)	0	0	0	0	0	0	0	0	0	6	121	44	171	
Inland Empire Regional Composting (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Inland Empire Regional Composting (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Wet Tons	11,207	10,618	12,216	11,818	11,484	11,401	10,912	11,110	10,406	10,470	11,179	11,393	134,215	
Total Dry Metric Tons	2,297	2,090	2,571	2,573	2,260	2,378	2,346	2,469	2,454	2,374	2,636	2,532	28,979	
Digester Cleanings	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
Digester(s)	Ouri	100	9, 5	10	muy	ounc	ouly	Aug	ОСР	15	15, 16	16, 6	Total	
Digester Cleaning Total Solids Percents			55, 23	22						30	30, 32	32, 54		
La Paz Landfill, AZ (landfill)											00,00	,		
(wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
La Paz Landfill, AZ (landfill) (dry tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Holloway, CA (landfill) (wet tons)	0	0	849	0	0	0	0	0	0	0	0	0	849	
Holloway, CA (landfill) (dry tons)	0	0	322	0	0	0	0	0	0	0	0	0	322	
Liberty Compost (compost) (wet tons)	0	0	0	1353	0	0	0	0	0	767	706	1088	3,914	
Liberty Compost (compost)	0	0	0	270	0	0	0	0	0	211	200	420	1,101	
(dry metric tons) Digester Cleaning				210	•				•	211	200	420	1,101	
Total Wet Tons	0	0	849	1,353	0	0	0	0	0	767	706	1,088	4,763	
Total Dry Metric Tons	0	0	322	270	0	0	0	0	0	211	200	420	1,423	
Total Wet Tons (Biosolids plus Digester Cleanings)	11,207	10,618	13,065	13,171	11,484	11,401	10,912	11,110	10,406	11,237	11,885	12,481	138,978	
Total Dry Metric Tons (Biosolids plus Digester Cleanings)	2,297	2,090	2,893	2,843	2,260	2,378	2,346	2,469	2,454	2,585	2,836	2,952	30,402	

# **Table 2: OC San Biosolids Wet and Dry Tonnage Distribution**

Wastewater Treatment Plant No. 2, Huntington Beach, CA

			muot	omatoi	moutin	01111 14	110 110. 2	-,	g.co	Douoii,	0/1			
Biosolids Generated	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average	
Biosolids Total Solids (%)	27	26	29	28	26	25	27	28	26	28	29	28	27	
Management Locations	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Tot	al
Tule Ranch AZ - land application	oun	100	iriai	Дріп	inay	Ouric	ouly	Aug	ОСР	001	1404	Dec	100	μı
(wet tons)	3,762	3,414	3,635	3,854	4,116	3,944	4,038	4,137	3,931	3,545	3,520	3,720	45,614	
Tule Ranch AZ - land application (dry metric tons)	925	793	956	989	971	894	989	1,032	913	900	926	945	11,232	
Liberty Compost CA (wet tons)	230	0	0	0	126	102	228	381	506	482	227	352	2,635	Wet Tons
Liberty Compost CA (dry metric tons)	56	0	0	0	31	25	56	94	124	118	56	87	648	59,371
Rialto Bioenergy Facility CA - heat drying (wet tons)	0	0	0	0	0	0	0	0	0	0	0	100	100	
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	25	25	Dry Tons
Inland Empire Regional Composting (wet tons)	787	714	764	642	847	1,061	811	592	693	767	1,019	824	9,521	14,855
Inland Empire Regional Composting (dry metric tons)	193	175	188	158	208	261	199	145	170	189	251	202	2,340	
Synagro - Nusery Products CA - compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Synagro - Nusery Products CA - compost (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Synagro - South Kern - compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Synagro - South Kern - (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Synagro- AZ Soils-compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Synagro - AZ Soils-compost (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Biosolids Total Wet Tons	4,779	4,128	4,399	4,496	5,089	5,107	5,078	5,110	5,129	4,794	4,767	4,995	57,870	
Total Dry Metric Tons	1,175	968	1,144	1,147	1,210	1,180	1,244	1,271	1,207	1,207	1,232	1,259	14,245	
Digester Cleanings	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
Digester(s)	D	D, J, K	K											
Digester Cleaning Total Solids Percent (average)	51	51, 22, 45	45											
La Paz Landfill, AZ (landfill) (wet tons)	24	25	0	0	0	0	0	0	0	0	0	0	49	
La Paz Landfill, AZ (landfill) (dry tons)	11	12	0	0	0	0	0	0	0	0	0	0	23	
Holloway, CA (landfill) (wet tons)	0	1205	0	0	0	0	0	0	0	0	0	0	1,205	
Holloway, CA (landfill) (dry tons)	0	404		0							0		404	
Liberty Compost (compost)	0	491	0	0	0	0	0	0	0	0	0	0	491	
(wet tons) Liberty Compost (compost)	0	23	223	0	0	0	0	0	0	0	0	0	246	
(dry metric tons)	0	5	91	0	0	0	0	0	0	0	0	0	96	
Digester Cleaning Total Wet Tons	24	1,253	223	0	0	0	0	0	0	0	0	0	1,500	
Total Dry Metric Tons	11	508	91	0	0	0	0	0	0	0	0	0	610	
Total Wet Tons (Biosolids plus Digester Cleanings)	4,803		4,622	4,496	5,089	5,107	5,078	5,110	5,129	4,794	4,767	4,995	58,166	
Total Dry Metric Tons (Biosolids plus Digester Cleanings)	1,186	985	1,235	1,147	1,210	1,180	1,244	1,271	1,207	1,207	1,232	1,259	14,364	



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: January 1- 31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 01/12/21, 01/19/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)		Ammonia Nitrogen (mg/kg dry)	Nitrogen	_	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.75	16	1.2	49	530	5.0	18	37	7.6	840	8,400	46,000	53,000	8.1	23	60
Plant 1 Avg	0.69	14	1.2	48	520	4.7	17	37	6.9	820	8,000	44,000	52,000		23	
Plant 2 Max/Min*	0.54	19	2.2	48	440	6.5	20	28	9.4	760	6,800	43,000	48,000	8.0	27	66
Plant 2 Avg	0.48	18	2.2	48	440	5.5	19	28	8.4	730	6,000	40,000	46,000		27	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	_	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	27	28	27	Out of Service	26	27	26	26	26	26	26
Minimum Temperature (Min 95 °F)	97	99	99	Out of Service	99	97	98	98	98	97	98

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	31	32	Out of Service	32	Out of Service	31	31		Out of Service	32	32	31	Out of Service	31	31	31	Out of Service	31
Minimum Temperature (Min 95 °F)	98	99	Out of Service	99	Out of Service	100	99		Out of Service	99	98	98	Out of Service	98	99	100	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL). \* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: January 1- 31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears (Apr 14, 2021 15:00 PDT)

Jim Spears Operations Manager ispears@ocsan.gov (714) 593-7081 Lan Wiborg Lan Wiborg (Apr 14, 2021 15:02 PDT)

Lan C.Wiborg
Environmental Services Director

lwiborg@ocsan.gov (714) 593-7540

Cindy Vellusci Gody Vellus (Apr 12, 2013 1449 POI)



Redel V-Eal

Reza Sobkani Beo Johani (Apr 14, 2021 14:00 POT)



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: February 1- 28, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 02/02/21, 02/09/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)			Lead (mg/kg dry)	Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		•	Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.78	14	1.9	52	550	3.6	18	29	11	730	11,000	44,000	52,000	8.2	22	63
Plant 1 Avg	0.76	13 DNQ	1.6	44	540	3.4	16	28	9.0	710	9,400	40,000	49,000		22	
Plant 2 Max/Min*	0.48	16	1.9	48	470	3.4	17	29	9.6	700	7,800	51,000	59,000	8.2	26	74
Plant 2 Avg	0.48	16	1.9	42	440	2.7	17	26	9.1	680	6,700	45,000	52,000		26	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	26	26	26	Out of Service	25	26	26	26	26	26	26
Minimum Temperature (Min 95 °F)	98	98	99	Out of Service	99	99	99	99	99	98	98

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	31	31	Out of Service	32	Out of Service	31	31		Out of Service	32	32	31	Out of Service	31	31	31	Out of Service	31
Minimum Temperature (Min 95 °F)	98	98	Out of Service	100	Out of Service	99	98		Out of Service	99	98	100	Out of Service	98	101	102	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: February 1- 28, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears

Operations Manager

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Lan Wiborg

Environmental Services Director

hwiborg@ocsan.gov (714) 593-7540

Cindy Vollacci
Sody Valued (Rep 18, 2021 12012 POP)



BULLER

*Roza Sobhani* Ress Sobhani (Apr 20, 2021 68641 PDT)



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: March 1-31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 03/02/21, 3/09/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	Zinc (mg/kg dry)	•	Nitrogen	Total Nitrogen (mg/kg dry)	рH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.65	12	2.2	47	520	5.6	15	34	7.8	820	9,000	44,000	52,000	8.0	23	61
Plant 1 Avg	0.61	11	1.6	47	500	5.4	15	34	6.9	800	8,600	44,000	52,000		23	
Plant 2 Max/Min*	0.55	16	1.8	42	420	5.2	17	27	6.5	700	7,200	41,000	48,000	8.0	28	77
Plant 2 Avg	0.45	16	1.8	42	420	4.4	17	27	6.4	700	7,100	40,000	47,000		29	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	22	22	22	Out of Service	26	22	22	22	22	22	22
Minimum Temperature (Min 95 °F)	99	99	99	Out of Service	99	99	99	99	99	99	99

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	32	32	Out of Service	33	Out of Service	32	32		Out of Service	32	33	32	Out of Service	32	32	32	Out of Service	32
Minimum Temperature (Min 95 °F)	98	99	Out of Service	100	Out of Service	99	98		Out of Service	99	99	99	Out of Service	98	99	102	Out of Service	99

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.

# OCASAN ORANGE COUNTY SANITATION DISTRICT

#### **Biosolids Monthly Compliance Report**

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: March 1-31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

JUN Spears Jim Spears (May 25, 2021 09:15 PDT)

Jim Spears Operations Manager ispears@ocsan.gov (714) 593-7081 Lan C. Wiborg
Lan C. Wiborg (May 25, 2021 09:45 PDT)

Lan C.Wiborg
Environmental Services Director

(714) 593-7540

Cindy Vellerooi

Delete Brigner (May 24, 2021 1448 PDT)

BLLVER

*REZA SOBKANÍ* Rasa Subhard (May 25, 2021 06:50 POT)



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: April 1- 30, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 04/06/21, 04/13/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)			Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.0	11	0.94	66	540	12	18	54	19	860	13,000	48,000	60,000	7.8	23	65
Plant 1 Avg	0.80	11 DNQ	0.93	54	510	8.6	18	46	12	830	12,000	48,000	59,000		24	
Plant 2 Max/Min*	1.2	15	1.6	64	450	7.7	21	31	14	780	8,800	43,000	49,000	7.8	28	72
Plant 2 Avg	0.86	15	1.6	64	440	7.4	21	30	10	760	7,600	42,000	49,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OC San Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	22	22	22	Out of Service	Out of Service	22	22	21	22	21	21
Minimum Temperature (Min 95 °F)	99	99	99	Out of Service	Out of Service	99	99	99	99	99	99

OC San Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	32	32	Out of Service	33	Out of Service	32	32	Out of Service	Out of Service	33	33	32	Out of Service	32	32	32	Out of Service	32
Minimum Temperature (Min 95 °F)	99	100	Out of Service	101	Out of Service	100	100	Out of Service	Out of Service	99	100	99	Out of Service	100	103	102	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.

# OCASAN ORANGE COUNTY SANITATION DISTRICT

#### **Biosolids Monthly Compliance Report**

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: April 1-30, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears

Operations Manager

jspears@ocsan.gov (714) 593-7081 Lan C.Wiborg

Environmental Services Director

Lan C. Wiborg
Lan C. Wiborg (Jul 16, 2021 07:54 PDT)

wiborg@ocsan.gov

Cindy Vellucci

Tom Wheregillano (Jul 12, 2021 07:56 PDT

BallV-Eal

Reza Sobhani

Cindy Vellucci

Tom Meregillano

Rachel Van Exel

Reza Sobhani



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: May 1- 31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 05/04/21, 05/11/21

_	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.73	12	1.1	51	510	6.9	19	38	7.8	830	8,200	48,000	56,000	8.1	22	58
Plant 1 Avg	0.71	12	0.92	49	490	6.5	19	36	7.2	830	7,600	48,000	56,000		22	
Plant 2 Max/Min*	0.72	16	1.9	52	440	8.0	22	31	9.8	800	6,200	45,000	51,000	8.2	25	74
Plant 2 Avg	0.63	16	1.8	52	440	6.2	22	31	8.9	780	5,900	42,000	48,000		26	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OC San Plant 1	System Summary		Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	23	25	23	Out of Service	Out of Service		22	22	23	22	22
Minimum Temperature (Min 95 °F)	99	99	99	Out of Service	Out of Service	99	99	99	99	99	99

OC San Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	31	32	Out of Service	32	Out of Service	31	31		Out of Service	32	32	31	Out of Service	31	30	31	Out of Service	31
Minimum Temperature (Min 95 °F)	100	100	Out of Service	102	Out of Service	101	100		Out of Service	100	101	101	Out of Service	104	102	104	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: May 1- 31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears Operations Manager

jspears@ocsan.gov (714) 593-7081 Lan C.Wiborg
Environmental Services Director

<u>wiborg@ocsan.gov</u> 714) 593-7540

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Cindy Vellucci Tom Meregillano Rachel Van Exel Reza Sobhani

# OCASAN ORANGE COUNTY SANITATION DISTRICT

#### Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: June 1- 30, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 08/01/21, 08/08/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)		_	•	Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.56	13	1.2	51	560	6.5	18	36	8.4	830	9,300	50,000	59,000	8.0	22	60
Plant 1 Avg	0.56	13	1.0	46	540	5.4	18	35	8.4	800	8,600	47,000	55,000		23	
Plant 2 Max/Min*	0.61	20	1.9	56	520	7.5	26	34	9.9	900	6,600	45,000	52,000	7.9	21	71
Plant 2 Avg	0.51	17	1.7	49	470	5.6	23	29	9.1	780	6,200	44,000	50,000		25	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	_	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	23	23	23		Out of Service	22	22	23	23	22	22
Minimum Temperature (Min 95 °F)	99	99	99		Out of Service	99	99	99	99	99	99

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	29	29	Out of Service	29	Out of Service	29	29		Out of Service	29	29	28	Out of Service	28	28	29	Out of Service	
Minimum Temperature (Min 95 °F)	99	101	Out of Service	103	Out of Service	102	100		Out of Service	99	101	102	Out of Service	102	102	103	Out of Service	

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.

# OCS SAN ORANGE COUNTY SANITATION DISTRICT

## **Biosolids Monthly Compliance Report**

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: June 1-30, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears
Jim Spears (Aug 4, 2021 14:25 PDT)

Jim Spears
Operations Manager

Cindy Vellucci
Cody Vellucci
Condy Vellucci
Condy Vellucci
Condy Vellucci
Condy Vellucci
Condy Vellucci
Deirdre Bingman

Lan C. Wiborg
Lan Wiborg (Aug 4, 2021 14:25 DT)

Lan C. Wiborg
Environmental Services Director

| Wiborg (Aug 4, 2021 14:25 DT)
| Wiborg (Aug 4, 2021 1



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: July 1- 31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 07/13/21, 07/20/21

_	Mercury (mg/kg dry)			Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min <sup>2</sup>	0.75	9.3 DNQ	1.1	46	540	6.3	17	33	9.2	830	7,500	48,000	55,000	8.0	24	58
Plant 1 Avg	0.61	8.8 DNQ	0.97	42	530	5.5	17	33	8.8	820	7,400	48,000	55,000		24	
Plant 2 Max/Min <sup>2</sup>	0.48	12	1.4	44	440	5.7	20	28	11	800	5,600	42,000	48,000	8.0	25	67
Plant 2 Avg	0.45	12	1.3	43	400	5.7	19	26	9.8	740	5,300	40,000	45,000		27	
Table 1 (Max/Min) <sup>2</sup>	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days) <sup>3</sup>	24	24	24	70 <sup>1</sup>	Out of Service	23	23	23	24	23	23
Minimum Temperature (Min 95 °F)	98	99	99	98	Out of Service	99	99	99	99	99	99

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) <sup>3</sup>	30	30	Out of Service	28	Out of Service	29	29	Out of Service	Out of Service	28	28	29	Out of Service	29	29	29	Out of Service	29
Minimum Temperature (Min 95 °F)	98	100	Out of Service	100	Out of Service	100	100	Out of Service	Out of Service	99	99	98	Out of Service	100	100	99	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>3</sup> MCRT based on a 15-Day Rolling Average.

Digester 9's elevated detention time was due to bringing it back in service on 7/13/21 and the feed was ramped up through the end of the month.

<sup>&</sup>lt;sup>2</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

# OCSSAN ORANGE COUNTY SANITATION DISTRICT

#### Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: July 1- 31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Spears (Dec 16, 2021 11:56 PST)

Operations Manager

ispears@ocsan.gov

Lan Wiborg (Dec 16, 2021 13:27 PST)

Lan C.Wiborg

Environmental Services Director

(714) 593-7540

Cindy Vollucci
Cindy Wated (Dec 15, 2021 08:30 PST)

Challed to Rings (100 Dec. 15, 2021 10006 PST)

Ball V-Exl

Roza Sobhani Reza Sobhani (Dec 36, 2023 06:46 PST)



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: July 1- 31, 2021

#### rtifications:

DES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to sure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly ponsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant natives for submitting false information, including the possibility of fine and imprisonment for knowing violations.

3 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This termination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the promotion used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification luding the possibility of fine and imprisonment.

zona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable solids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Spears (Dec 16, 2021 11:56 PST

Operations Manager

Jim Spears

ispears@ocsan.gov

Lan Wiborg (Dec 16, 2021 13:27 PST

Lan C.Wiborg

Environmental Services Director

lwiborg@ocsan.gov

Cindy Vəllucci

\_AB\_

BollV Exl

Reza Sobhani

Cindy Vellucci Deirdre Bingman Rachel Van Exel Reza Sobhani



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2,

Monitoring Period: August 1-31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 08/03/21, 08/10/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.73	9.0 DNQ	0.65	49	570	7.8	21	31	8.2	850	19,000	47,000	53,000	8.0	25	55
Plant 1 Avg	0.65	8.8 DNQ	0.63	49	550	7.2	20	31	7.8	840	13,000	37,000	49,000		25	
Plant 2 Max/Min*	0.58	11	1.2	43	430	5.8	20	27	8.0	720	10,000	42,000	51,000	7.9	28	67
Plant 2 Avg	0.51	10	1.1	42	400	4.7	19	25	7.5	690	7,400	42,000	49,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	_	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	22	24	25	26	24	24	24	24	25	24
Minimum Temperature (Min 95 °F)	98	99	98	99	99	99	99	99	99	99	99

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	27		Out of Service	26	Out of Service	28	28	1	Out of Service		26	28	Out of Service	27	27	28	Out of Service	28
Minimum Temperature (Min 95 °F)	97		Out of Service	100	Out of Service		100		Out of Service		97	98	Out of Service	100	99	100	Out of Service	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2,

Monitoring Period: August 1-31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears Jim Spears (Nov 30, 2021 14:44 PST)

Jim Spears

Operations Manager

ispears@ocsan.gov

Lan C.Wiborg

Environmental Services Director

hwibora@ocsan.gov

Cindy Vellucci

Delirdre Bingras (Nov 30, 2021 09-26 PST)

BULLER

Roza Sobhani

Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Reza Sobhani



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: September 1-30, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 09/07/21, 09/14/21

	Mercury (mg/kg dry)			Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)			Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.78	11	1.2	43	550	8.7	19	31	8.3	810	9,300	53,000	59,000	7.7	25	60
Plant 1 Avg	0.71	9.1 DNQ	0.98	43	550	5.8	19	31	7.7	800	7,800	49,000	57,000		26	
Plant 2 Max/Min*	0.55	15	1.5	51	470	9.0	21	29	11	750	7,800	47,000	51,000	7.6	26	69
Plant 2 Avg	0.54	12	1.4	50	440	6.4	20	28	10	750	6,100	44,000	50,000		26	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary		Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	22	24	25	24	23	23	23	23		Out of Service
Minimum Temperature (Min 95 °F)	98	98	99	100	98	99	99	99	98	Out of Service	Out of Service

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	28		Out of Service	27	Out of Service	28	28		Out of Service	26	27	29	Out of Service	27	27	28	Out of Service	28
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	101	Out of Service	102	102		Out of Service	101	100	100	Out of Service	102	100	102	Out of Service	101

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2,
Huntington Beach, CA

Monitoring Period: September 1-30, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Arizona Class B: I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Jim Spears

Operations Manager

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(714) 593-7081

Lan C. Wiborg

Environmental Services Director

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Cindy Vollneci

Delndre (Mognica Dec 18, 3021 08 06 PST)

Ball V-Eal

Roza Sobhani

Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Reza Sobhani



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: October 1- 31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 10/05/21,10/12/21

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)			Lead (mg/kg dry)	Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)	~	Nitrogen	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.50	9.3 DNQ	0.81	44	560	8.4	17	30	10	850	7,200	57,000	64,000	8.1	25	61
Plant 1 Avg	0.45	8.7 DNQ	0.79	44	550	8.1	17	29	9.2	830	7,100	52,000	59,000		25	
Plant 2 Max/Min*	0.40	12	1.3	47	400	5.2	17	26	10	720	5,200	47,000	52,000	8.0	28	69
Plant 2 Avg	0.38	12	1.2	45	390	4.6	17	25	9.2	690	5,100	45,000	50,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	_	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	25	25	24	23	24	24		Out of Service
Minimum Temperature (Min 95 °F)	99	99	99	100	99	99	99	99	99		Out of Service

OCSD Plant 2	System Summary	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	28	Out of Service	28	Out of Service	28	28	Out of Service	Out of Service	28	28	28	Out of Service	28	28	28	Out of Service	28
Minimum Temperature (Min 95 °F)	99	Out of Service	100	Out of Service	101	100	Out of Service	Out of Service	100	102	99	Out of Service	100	100	100	Out of Service	101

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: October 1- 31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Jim Spears <u>ispears@ocsan.gov</u>
Operations Manager (714) 593-7081

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wiborg@ocsan.g 714) 593-7540

Cindy Vellucci

Cindy Vellucci

Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Reza Sobhani

Resultation (De. 30, 2021 10 at 7 at 7)

Resultation (De. 30, 2021 10 at 7 at 7)

# OCASAN ORANGE COUNTY SANITATION DISTRICT

## **Biosolids Monthly Compliance Report**

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: November 1- 30, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 11/02/21,11/09/21

_	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.61	8.4 DNQ	1.1	50	500	7.6	19	31	8.0	810	8,500	50,000	58,000	7.5	26	60
Plant 1 Avg	0.58	8.3 DNQ	1.0	46	500	7.1	17	29	7.7	790	8,500	48,000	56,000		26	
Plant 2 Max/Min*	0.38	12	1.2	47	360	5.0	18	27	10	680	6,500	42,000	48,000	7.8	28	70
Plant 2 Avg	0.36	12	1.2	46	350	4.4	18	26	9.1	670	6,400	42,000	48,000		29	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	25	25	25	26	24	24	24	24		Out of Service
Minimum Temperature (Min 95 °F)	98	98	99	99	99	99	99	99	99		Out of Service

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	29		Out of Service	28	Out of Service	29	28		Out of Service	28	29	28	Out of Service	29	29	29	Out of Service	28
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	101	Out of Service	102	100		Out of Service	102	101	100	Out of Service	100	102	102	Out of Service	101

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

<sup>\*</sup> Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.

# OCSSAN ORANGE COUNTY SANITATION DISTRICT

## **Biosolids Monthly Compliance Report**

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: November 1- 30, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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JIM (DEATS) Jim Spears (Jan 20, 2022 08:39 PST)

Jim Spears Operations Manager jspears@ocsan.gov (714) 593-7081 Lan Wiborg Lan Wiborg (Jan 20, 2022 08:46 PST)

Lan C. Wiborg
Environmental Services Director

wiborg@ocsan.gov (714) 593-7540

Cindy VallUGGI

Delardre (Bings to Jun 11, 2022 07023 PSV)

RohlV-Eal

Ceza Sobhani uspophuri (Jan 11, 2022 07:40 PST)

Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Keza Sobhani



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: December 1- 31, 2021

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 12/07/21,12/14/21

_	Mercury (mg/kg dry)			Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	рH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.76	8.9 DNQ	0.97	42	460	5.2	14	29	8.4	810	6,900	55,000	62,000	8.3	25	65
Plant 1 Avg	0.61	8.5 DNQ	0.93	41	450	5.1	13	29	7.9	810	6,900	55,000	57,000		25	
Plant 2 Max/Min*	0.71	12	1.5	46	370	5.0	16	25	9.6	700	5,400	49,000	54,000	8.4	27	71
Plant 2 Avg	0.71	11	1.4	45	360	4.3	16	25	9.5	690	5,400	49,000	45,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	23	23	23	24	24	23	23	23	23	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	98	99	98	99	98	100	99	99	98	Out of Service	Out of Service

OCSD Plant 2	System Summary	_	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	28		Out of Service	28	Out of Service	28	28		Out of Service	28	28	28	Out of Service	28	28	28	Out of Service	28
Minimum Temperature (Min 95 °F)	97		Out of Service	98	Out of Service	100	97		Out of Service	98	98	98	Out of Service	98	100	100	Out of Service	98

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

\* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

<sup>\*\*</sup> MCRT based on a 15-Day Rolling Average.



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,

Monitoring Period: December 1- 31, 2021

#### Certifications:

NPDES permit: I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Jim Spears (Jan 27, 2022 09:11 PST)

Jim Spears (Jan 27, 2022 09:11 PST)

Lan C. Wiborg Environmental Services Director

Lan Wibora

<u>wiborg@ocsan.go</u> 71/1\593.75//0

Cindy Vellysoci

Dalladina Silvagora (Com. 27, 2022 Silvas PST

Redel V. Excl

Reza Sobhani Basa Babhani (Jan 27, 2022 00 08 PET)

Cindy Vellucci

Operations Manager

Deirdre Bingman

Rachel Van Exel

Reza Sobhani

### **Chapter 8. Solids Management Program**

#### 8.1 Introduction

This section provides an overview of OC San's Biosolids Program, focusing on biosolids quality with respect to metals. Biosolids are nutrient-rich, treated organic matter recovered through the treatment of wastewater. These solids are considered a resource because of their nutrient and energy values, and they are recyclable in part because of their low metal content. The pretreatment program is a key element in ensuring the recyclability of OC San's biosolids by minimizing the discharge of heavy metals and other undesirable constituents into the collection system and ultimately the treated solids, which are used to fertilize farms.

OC San's annual biosolids compliance report was completed, submitted to regulators, and posted online in February. Visit <a href="www.ocsan.gov/503">www.ocsan.gov/503</a> to access the most recent document that contains Biosolids Program information, regulations, quantities, policies, guiding principles, and how and where biosolids are recycled.

#### 8.2 Biosolids Quality

Biosolids quality plays an important role in ensuring the continued recyclability of OC San's biosolids. OC San's pretreatment program has been extremely effective in reducing and maintaining levels of pollutants (e.g., OC San's influent sewage meets drinking water standards for the biosolids monitoring metals). The ceiling concentrations and exceptional quality (EQ) concentrations promulgated by the US EPA's biosolids regulations (40 CFR 503) are presented in Figure 8-1 through Figure 8-10 as a reference. For FY 2020/21, OC San biosolids met EQ limits for all the regulated parameters as shown in Table 8.1.

Table 8.1.	Trends in Trac Milligrams per	Dry Kilogra	am				2-2020/21	, in
	Orange County	/ Sanitation [	District, Re		otection D	ivision		
				Plant 1	T		Plant 2	
Metal	FY	EQ Limit	Min	Max	Avg	Min	Max	Avg
	2011-12		2.3	11	7.4	6.6	66	22
	2012-13		0	7.8	4.7	2.0	10	7.0
	2013-14 <sup>*</sup>		3.5	9.5	5.8	5.4	11	8.4
	2014-15		4.5	11	7.2	7.8	12	9.3
Arsenic	2015-16*	41	6.3	12	8.3	6.2	12	9.2
Aiseilic	2016-17*	41	6.7	12	8.1	5.6	12	8.6
	2017-18*		7.2	16	9.9	7.9	16	11
	2018-19*		7.3	24	16	9.4	24	18
	2019-20*		1.3	8.8	5.4	1.3	12	5.5
	2020-21*		1.3	14	8.9	1.2	19	12
	2011-12		0.8	6.0	3.8	1.1	4.4	3.6
	2012-13		2.6	7.8	4.7	1.9	4.4	3.1
	2013-14*		1.6	11	3.9	2.1	6.0	3.5
	2014-15		2.7	7.8	5.1	3.1	5.8	4.0
Cadmium	2015-16*	39	1.3	4.7	2.5	2.0	4.5	3.0
Caumum	2016-17	39	2.6	3.1	2.3	2.0	3.8	3.0
	2017-18*		1.7	4.4	3.0	2.5	7.7	5.1
	2018-19*		1.2	3.0	1.6	2.7	8.4	4.2
	2019-20*		1.3	2.7	1.9	2.2	8.4	3.3
	2020-21*		0.9	1.6	1.3	1.6	2.5	2.0
	2011-12		42	74	52	40	70	56
	2012-13	]	42	56	49	42	59	49
Chromium	2013-14	**	39	52	45	40	53	46
Chiomium	2014-15	]	30	51	40	34	70	46
	2015-16	]	31	89	46	28	60	46
	2016-17		30	89	49	29	67	46

Table 8.1. Trends in Trace Metal Content of Biosolids, Fiscal Years 2011/12-2020/21, in Milligrams per Dry Kilogram
Orange County Sanitation District, Resource Protection Division

		y Sariitation i	3.04.104, 144	Plant 1	0.000.011 2	17101011	Plant 2	
Metal	FY	EQ Limit	Min	Max	Avg	Min	Max	Avg
	2017-18		27	38	34	38	54	44
	2018-19	1	29	58	39	32	53	45
	2019-20		37	51	45	35	49	42
	2020-21		43	54	48	42	65	51
	2011-12		430	670	520	380	720	520
	2012-13		480	640	540	500	640	540
	2013-14		460	540	510	470	540	500
	2014-15		320	570	470	320	560	470
	2015-16	1 . <b>-</b>	380	560	460	340	570	480
Copper	2016-17	1,500	400	560	460	340	570	490
	2017-18		320	500	420	380	590	460
	2018-19	1	355	600	470	335	665	510
	2019-20	1	440	600	530	410	590	490
	2020-21	1	470	660	530	420	520	460
	2011-12		ND	25	9.0	ND	32	13
	2012-13		7.5	19	15	7.5	17	14
	2013-14*	1	13	18	14	13	17	14
	2014-15*	1	8.7	15	13	9.0	17	13
	2015-16*	1	8.3	20	12	8.0	17	13
Lead	2016-17*	300	7.9	20	11	7.5	17	12
	2017-18*		8.9	19	12	10	16	13
	2018-19		9.9	15	12	10	15	13
	2019-20		9.8	14	12	14	24	17
	2020-21	1	2.2	15	6.8	2.7	18	7.5
	2011-12		0.8	1.4	1.2	0.8	2.6	1.3
	2012-13	1	0.7	4.1	1.5	0.8	3.8	1.4
	2013-14		0.8	1.2	1.0	0.7	2.8	1.4
	2014-15	1	1.0	1.5	1.1	1.0	1.5	1.0
	2015-16	1	0.6	1.7	0.9	0.6	1.2	1.0
Mercury	2016-17	17	0.5	1.7	0.9	0.7	1.2	0.9
	2017-18		0.7	1.1	0.9	0.3	1.1	0.8
	2018-19		0.6	1.1	0.9	0.6	1.0	0.8
	2019-20		0.5	1.2	0.8	0.5	0.8	0.6
	2020-21	1	0.5	1.0	0.7	0.4	0.9	0.6
	2011-12		6.5	18	13	12	20	17
	2012-13	1	9.8	20	14	12	20	15
	2013-14	1	12	18	15	14	18	15
	2014-15	1	9.4	18	15	12	20	16
N 4 - 1 - 1 - 1	2015-16*	**	11	18	15	11	23	16
Molybdenum	2016-17	^*	12	18	15	11	23	16
	2017-18*	1	10	16	14	13	18	15
	2018-19	1	13	20	16	15	22	18
	2019-20	1	14	22	18	14	24	18
	2020-21		15	21	18	17	23	20
	2011-12		15	48	35	20	39	31
	2012-13		34	48	40	23	41	30
Nickel	2013-14	420	36	55	43	28	56	37
	2014-15	1	26	47	37	26	41	34

Trends in Trace Metal Content of Biosolids, Fiscal Years 2011/12-2020/21, in **Table 8.1.** Milligrams per Dry Kilogram

Orange County Sanitation District, Resource Protection Division

Metal         FY         EQ Limit         Min         Max         Avg         Min         Max         Avg           2016-17         2016-17         25         45         38         20         41         33           2018-19         2019-20         28         37         32         31         39         34           2019-20         2019-20         27         41         35         26         46         35           2011-12         2011-12         28         46         36         26         33         29           2011-12         2011-12         20         28         46         36         26         33         29           2011-12         2012-13         20         20         9.0         ND         19         9.0           2013-14'         2014-15'         4.1         13         7.1         4.5         15         7.3           2017-18'         2018-19'         4.4         11         8.4         4.8         10         8.0           3.0         7.8         4.9         2.7         8.0         4.9         2.7         8.0         4.9           2.017-18'         2011-12         7.0					Plant 1			Plant 2	
Selenium    2016-17   2017-18   2018-19   2019-20   2020-21   2011-12   2015-16   2016-17   2017-18   2018-19   2019-20   2020-21   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-13   2011-14   2011-15   2011-16   2011-16   2011-17   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011-18   2011	Metal	FY	EQ Limit	Min	Max	Avg	Min	Max	Avg
Selenium    2017-18		2015-16*		29	45	38	20	41	33
Selenium   2018-19   2019-20   27   41   35   26   46   35   26   2020-21   28   46   36   26   33   29   29   2011-12   2012-13   2013-14   2014-15   2016-17   2017-18   2019-20   2020-21   2019-20   2010-12   2014-15   2011-12   2014-15   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-12   2011-13   2011-14   2011-16   2011-16   2016-17   2017-18   2011-12   2011-12   2011-12   2011-13   2011-14   2011-16   2011-16   2016-17   2017-18   2011-12   2011-12   2011-12   2011-13   2011-14   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-18   2011-16   2016-17   2011-18   2011-16   2016-17   2011-18   2011-19   2011-19   2011-19   2011-10   2011-19   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   2011-10   201		2016-17		25	45	36	21	41	32
Selenium  Seleni		2017-18		28	37	32	31	39	34
Selenium  Seleni		2018-19		23	44	33	29	44	37
Selenium  Seleni		2019-20		27	41	35	26	46	35
Selenium  Seleni		2020-21		28	46	36	26	33	29
Selenium Selenium    2013-14'   2014-15'   2015-16'   2016-17'   2017-18'   2018-19'   2019-20'   2019-20'   2019-18'   2018-19'   2018-19'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-18'   2018-19'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2019-20'   2		2011-12		ND	26	9.0	ND	19	9.0
Selenium    2014-15'   2015-16'   2016-17'   2017-18'   2019-20'   2012-13   2014-15'   2017-18'   2014-15'   2017-18'   2015-16'   2016-17'   2017-18'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16'   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   2015-16   201		2012-13		0	20	9.0	0	20	8.0
Selenium    2015-16'   2016-17'   2017-18'   2018-19'   2019-20'   2020-21'   1.0   12   6.5   0.9   10   6.3   6.2   14   8.6   6.4   13   8.6   6.5   2019-10'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-20'   2019-20'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   2019-16'   20		2013-14*		3.5	13	7.9	4.2	13	8.3
Selenium    2016-17'   2017-18'   3.0   7.8   4.9   2.7   8.0   4.9		2014-15*		4.1	13	7.1	4.5	15	7.3
Silver    2016-17   2017-18   2018-19   2018-19   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-20   2019-2	Colonium	2015-16*	100	4.4	11	8.1	3.7	10	7.6
2018-19'   2019-20'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'   2020-21'	Selenium	2016-17*	100	4.1	10	8.4	4.8	10	8.0
Silver    2019-20'   2020-21'   1.0   12   3.7   0.9   12   3.5     2020-21'   1.0   12   6.5   0.9   10   6.3     2011-12   2012-13   6.2   14   10   4.0   12   8.5     2013-14'   2014-15'   2016-17'   2017-18'   2019-20'   2020-21'     2010-13   2010-14   2011-12   2011-12   2011-12   2011-12   2011-12   2011-13   2011-14   2011-15   2011-14   2011-15   2011-14   2011-15   2011-14   2011-15   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-16   2011-17   2017-18   2011-18   2011-18   2011-19   2011-19   2011-20   2011-19   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20   2011-20		2017-18*		3.0	7.8	4.9	2.7	8.0	4.9
Silver    2020-21'		2018-19*		2.5	48	6.6	2.3	2.9	2.7
Silver    2011-12		2019-20*		0.9	12	3.7	0.9	12	3.5
Silver    2012-13		2020-21*		1.0	12	6.5	0.9	10	6.3
Silver    2013-14*   2014-15*   2015-16*   2016-17*   2017-18*   2019-20*   2020-21*   2012-13   2013-14   2014-15   2015-16*   2016-17*   2015-16*   2016-17*   2017-18   2019-10*   2019-10*   2015-16*   2016-17*   2017-18   2016-17*   2017-18   2018-19*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20*   2019-20		2011-12		7.0	14	10	4.0	12	8.5
Silver    2014-15'   2015-16'		2012-13		6.2	14	8.6	6.4	13	8.6
Silver    2015-16'   2016-17'   2017-18'   2.4   7.7   5.6   2.5   7.9   5.6		2013-14*		2.9	7.6	5.3	3.6	9.1	6.3
Zinc    2016-17*   2.7   5.6   4.4   2.5   6.8   4.9		2014-15*		3.3	7.8	5.8	3.4	8.6	6.5
Zinc    2016-17	Cilvor	2015-16*	**	2.4	7.7	5.6	2.5	7.9	5.6
Zinc    2018-19*   2.9   5.1   4.0   3.5   5.8   4.3	Silver	2016-17*		2.7	5.6	4.4	2.5	6.8	4.9
Zinc    2019-20*   3.0   5.0   4.0   2.7   5.8   4.0		2017-18*		3.2	5.1	3.9	3.7	5.0	4.2
Zinc 2020-21*		2018-19*	]	2.9	5.1	4.0	3.5	5.8	4.3
Zinc		2019-20*	]	3.0	5.0	4.0	2.7	5.8	4.0
Zinc		2020-21*	]	2.6	3.8	3.3	2.5	3.2	2.7
Zinc 2013-14 2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 2,800 590 700 620 700 700 670 700 670 700 700 700 700 70		2011-12		560	880	710	560	910	750
Zinc 2014-15 2015-16 2016-17 2017-18 2018-19 2019-20 420 720 620 470 740 670 730 730 730 740 680 600 590 910 720 640 810 760 590 890 720		2012-13	]	640	860	720	680	880	770
Zinc 2015-16 2016-17 2,800 500 770 620 520 890 730 550 770 610 520 890 740 470 680 600 590 910 720 520 810 600 500 790 720 640 810 760 590 890 720		2013-14	]	590	730	670	620	750	700
2016-17 2017-18 2018-19 2019-20 2,800 550 770 610 520 890 740 470 680 600 590 910 720 720 640 810 760 590 890 740 720 720 720 720 720		2014-15	]	420	720	620	470	740	670
2016-17 2017-18 2018-19 2019-20 2,800 550 770 610 520 890 740 470 680 600 590 910 720 720 640 810 760 590 890 740 720 720 720 720 720	7:	2015-16	2 000	500	770	620	520	890	730
2018-19     520     810     600     500     790     720       2019-20     640     810     760     590     890     720	ZINC	2016-17	2,800	550	770	610	520	890	740
2019-20 640 810 760 590 890 720		2017-18	]	470	680	600	590	910	720
		2018-19	]	520	810	600	500	790	720
2020-21 710 875 800 680 780 740		2019-20	]	640	810	760	590	890	720
		2020-21		710	875	800	680	780	740

ND Non-detect

Calculations included data below the reporting limit, but above the method detection limit, and were therefore flagged as "detected not quantified" or the method detection limit was substituted for non-detect values.

US EPA's extensive health risk analysis determined that no limits were needed for these metals (EPA 40 CFR 503).

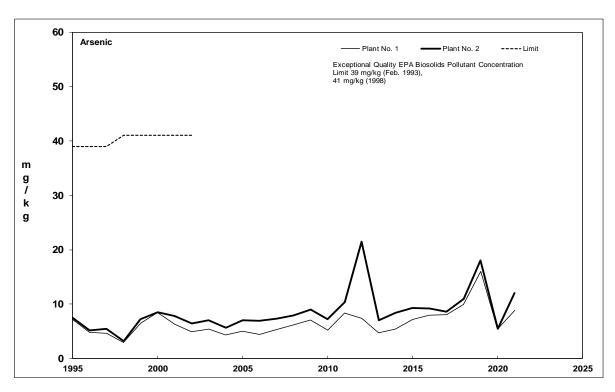


Figure 8-1 Trends in Concentrations of Arsenic in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

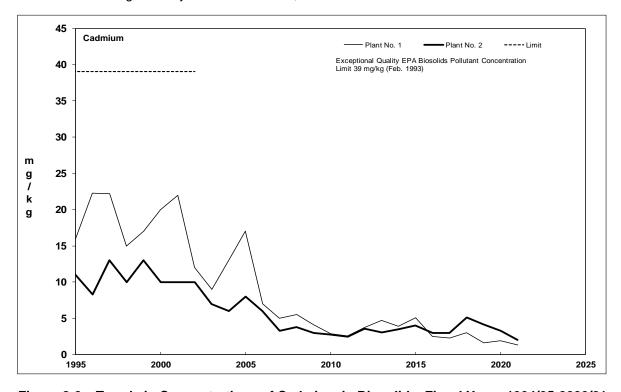


Figure 8-2 Trends in Concentrations of Cadmium in Biosolids, Fiscal Years 1994/95-2020/21 Orange County Sanitation District, Resource Protection Division

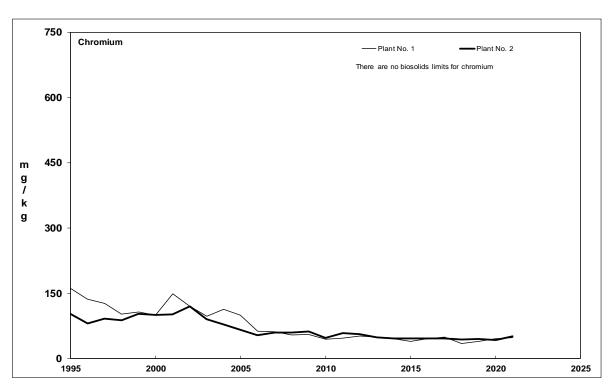


Figure 8-3 Trends in Concentrations of Chromium in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

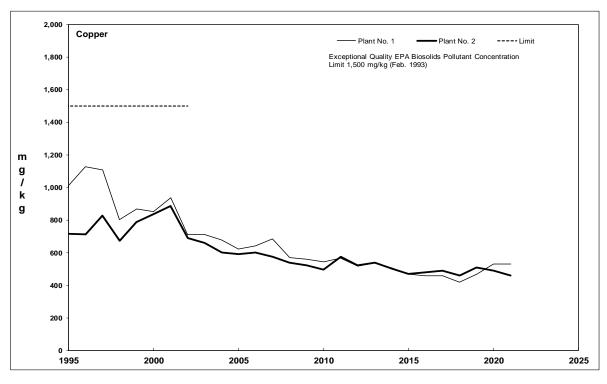


Figure 8-4 Trends in Concentrations of Copper in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

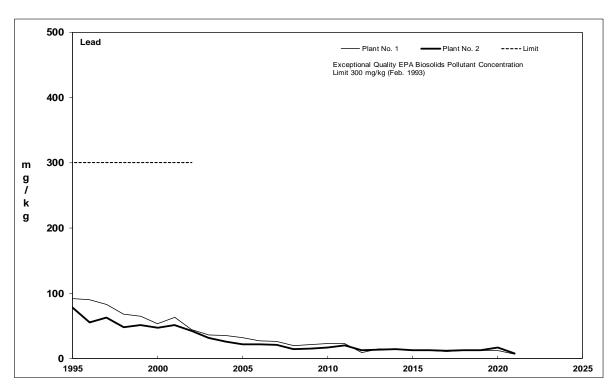


Figure 8-5 Trends in Concentrations of Lead in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

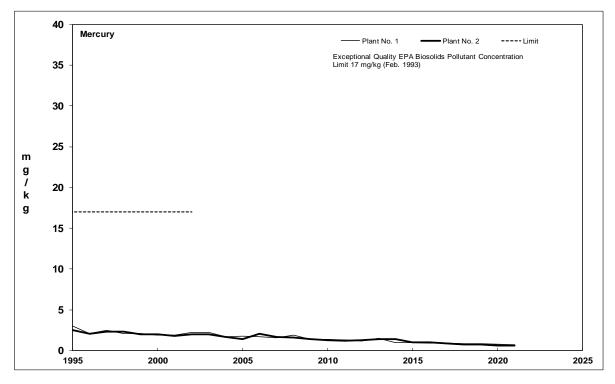


Figure 8-6 Trends in Concentrations of Mercury in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

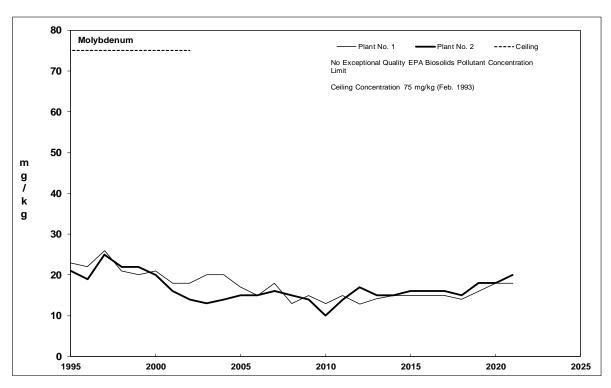


Figure 8-7 Trends in Concentrations of Molybdenum in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

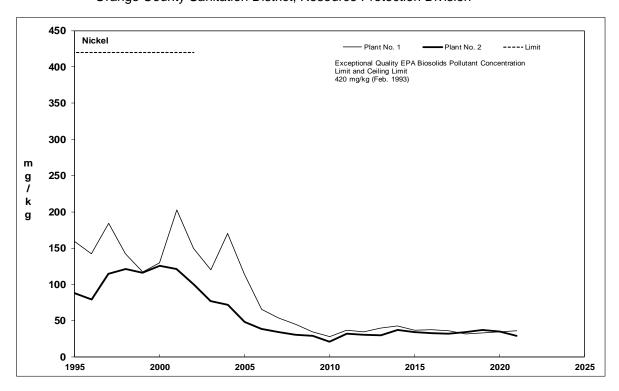


Figure 8-8 Trends in Concentrations of Nickel in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

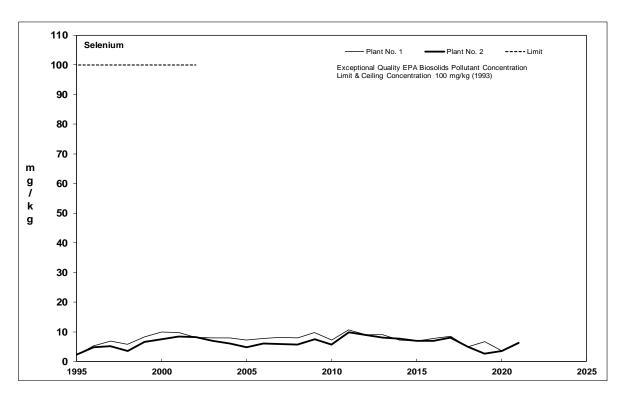


Figure 8-9 Trends in Concentrations of Selenium in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

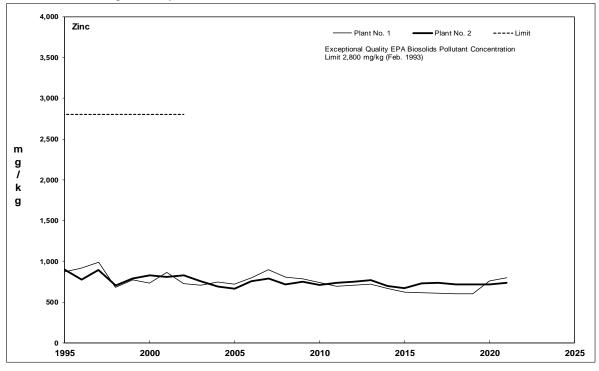


Figure 8-10 Trends in Concentrations of Zinc in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

# **APPENDIX C**

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eneral	Ammonia-N	SM 4500	mg/kg	Plant 1	01/12/2021	2000	98	490
nemistry		NH3 G		Dewatering	01/19/2021	1700	98	490
-				Cake	02/02/2021	1800	99	500
						7800	430	2200
					02/09/2021	2400	98	490
					03/02/2021	1900	99	500
					03/09/2021		99	500
					04/06/2021	3100	100	500
					04/13/2021	2400	99	490
					05/04/2021		99	500
					05/11/2021	1900	99	500
					06/01/2021	2200	98	490
					06/08/2021		98	490
					07/13/2021	1800	98	490
					07/20/2021		99	500
					08/03/2021		98	490
					08/10/2021		200	980
					09/07/2021		97	480
					09/14/2021		100	500
					10/05/2021		99	500
					10/12/2021		100	500
					11/02/2021		98	490
					11/09/2021		98	490
					12/07/2021		98	490
					Annual Mean	2300		
			weight		Annual Max	7800		
					01/12/2021		410	2100
					01/19/2021		430	2200
					02/09/2021		450	2300
					03/02/2021		430	2200
					03/09/2021		420	2100
					04/06/2021		430	2100
					04/13/2021		410	2000
					05/04/2021		460	2300
					05/11/2021		430	2200
					06/01/2021		410	2100
					06/08/2021		450	2300
					07/13/2021		410	2000
					07/20/2021		420	2100
					08/03/2021		400	2000
					08/10/2021		810	4000
					09/07/2021		380	1900
					09/14/2021		390	1900
					10/05/2021		380	1900
					10/12/2021		400	2000
					11/02/2021		370	1900
					11/09/2021		380	1900
					12/07/2021		380	1900
					Annual Mean	8800		
					Annual Max	19000		
		SM 4500	mg/kg	Plant 2	01/12/2021		100	500
		NH3 G		Dewatering	01/19/2021		97	490
				Cake	02/02/2021		98	490
					02/02/2021	5500	360	1800
					02/09/2021		98	490
					03/02/2021		98	490
					03/09/2021		98	490
					04/06/2021		98	490
								490
					04/13/2021 05/04/2021		98 98	490

y Paran	neter Method	Units	Sample Location	Sample Date	Result	MDL	F
				05/11/2021	1700	98	490
				06/01/2021	1700	98	490
				06/08/2021		98	490
				07/13/2021	1400	98	490
				07/20/2021		98	490
				08/03/2021		98	490
				08/10/2021		98	490
				09/07/2021		99	500
				09/14/2021		98	490
				10/05/2021		98	490
							490
				10/12/2021		99	
				11/02/2021		98	490
				11/09/2021		99	500
				12/07/2021		98	490
				Annual Mean	1900		
				Annual Max	5500		
		mg/kg dry	Plant 2	01/12/2021	6800	360	1800
		weight	Dewatering	01/19/2021	5200	360	1800
			Cake	02/09/2021	7800	380	1900
				03/02/2021		340	1700
				03/09/2021		350	1700
				04/06/2021		350	1700
				04/13/2021		340	1700
				05/04/2021		390	2000
				05/11/2021		360	1800
				06/01/2021		330	1700
						460	2300
				06/08/2021			
				07/13/2021		390	2000
				07/20/2021		350	1700
				08/03/2021		360	1800
				08/10/2021		350	1800
				09/07/2021		390	2000
				09/14/2021		370	1800
				10/05/2021		350	1800
				10/12/2021	5200	340	1700
				11/02/2021	6500	350	1800
				11/09/2021	6200	340	1700
				12/07/2021	5400	350	1800
				Annual Mean	6300		
				Annual Max	10000		
Fluorid	e EPA	mg/kg dry	Plant 1	01/12/2021		15	21
	300.0	weight	Dewatering	07/20/2021		8.0	21
		3	Cake	Annual Mean	58		
				Annual Max	80		
	EPA	mg/kg dry	Plant 2	01/12/2021		13	18
	300.0	weight	Dewatering	07/20/2021		7.0	18
	300.0	weigilt	Cake			7.0	10
			Care	Annual Mean	94		
<u></u>	( 554	/1	DI 11	Annual Max	120	0.5	F 0
	e wet EPA	mg/kg	Plant 1	01/12/2021		3.5	5.0
weight	300.0		Dewatering	07/20/2021		2.0	5.0
			Cake	Annual Mean	14		
				Annual Max	19		
	EPA	mg/kg	Plant 2	01/12/2021	33	3.5	5.0
	300.0	_	Dewatering	07/20/2021		2.0	5.0
			Cake	Annual Mean	26		
				Annual Max	33		
Hexava	alent EPA	mg/kg dry	Plant 1	01/12/2021		50	110
Chrom		weight	Dewatering	04/06/2021		52	110
SHOIII	1 130A	weignt	Cake	07/20/2021		21	42
			Jake			<u> </u>	42
				Annual Mean	<52		-
		1		Annual Max	<52		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	mg/kg dry	Plant 2	01/12/2021	ND	47	90
		7196A	weight	Dewatering	04/06/2021		46	88
		7 130	Weight	Cake	07/20/2021		18	35
				Cake			10	30
					Annual Mean	<47		
					Annual Max	<47		
	Hexavalent	EPA	mg/kg	Plant 1	01/12/2021		12	25
	Chromium	7196A		Dewatering	04/06/2021	ND	12	25
	wet weight			Cake	07/20/2021	ND	5.0	10
					Annual Mean	<12		
					Annual Max	<12		
		EPA	mg/kg	Plant 2	01/12/2021	ND	13	25
		7196A	9/.1.9	Dewatering	04/06/2021		13	25
		1.007		Cake	07/20/2021		5.0	10
				Odico			5.0	10
					Annual Mean	<13		
					Annual Max	<13		
	Kjeldahl	EPA	mg/kg	Plant 1	01/12/2021		1000	1400
	Nitrogen	351.2		Dewatering	01/19/2021	12000	1300	1800
				Cake	02/02/2021	12000	850	1100
						52000	3700	4700
					02/09/2021		850	1100
					03/02/2021		1100	1400
					03/09/2021		1400	1800
					04/06/2021		1400	1800
					04/13/2021		1200	1600
					05/04/2021		940	1300
					05/11/2021		1200	1600
					06/01/2021	14000	850	1100
					06/08/2021	11000	850	1100
					07/13/2021	13000	720	1400
					07/20/2021		840	1700
					08/03/2021		700	1400
					08/10/2021		800	1600
					09/07/2021		1100	2100
					09/14/2021		810	1600
					10/05/2021		1200	2400
					10/12/2021	16000	1200	2400
					11/02/2021	14000	780	1600
					11/09/2021	15000	750	1500
					12/07/2021		800	1600
					12/14/2021		1700	4800
					Annual Mean	15000	1.00	.300
					Annual Max	52000		
			ma/l.= -l	Dlont 1			4200	E000
			mg/kg dry	Plant 1	01/12/2021		4200	5900
			weight	Dewatering	01/19/2021		5800	8000
				Cake	02/09/2021		3900	5100
					03/02/2021	52000	4700	6000
					03/09/2021	52000	6000	7700
					04/06/2021		6000	7700
					04/13/2021		5000	6600
					05/04/2021		4300	6000
					05/11/2021		5200	6900
					06/01/2021		3600	4600
					06/08/2021		3900	5100
					07/13/2021		3000	5800
					07/20/2021		3500	7200
				08/03/2021	53000	2900	5700	
				08/10/2021		3200	6500	
					09/07/2021		4300	8300
					09/14/2021		3100	6200
					10/05/2021		4700	9300
					10/12/2021 11/02/2021		4800 3000	9600 6100
				The second secon	4410010004	L OUAL		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				20 30 000	11/09/2021	58000	2900	5800
					12/07/2021		3100	6200
					12/14/2021		6800	19000
					Annual Mean	55000	0000	10000
					Annual Max	64000		
		EPA	ma/ka	Plant 2	01/12/2021		940	1300
		351.2	mg/kg	Dewatering	01/19/2021		1100	1500
		331.2		Cake				
				Cake	02/02/2021		940	1300
					22/22/22/	44000	3500	4800
					02/09/2021		1000	1400
					03/02/2021		970	1300
					03/09/2021		1100	1500
					04/06/2021	14000	1100	1500
					04/13/2021	14000	1400	1900
					05/04/2021	11000	850	1100
					05/11/2021	14000	1300	1700
					06/01/2021	14000	940	1300
					06/08/2021		780	1000
					07/13/2021		680	1400
					07/20/2021		950	1900
					08/03/2021		830	1700
					08/10/2021		780	1600
					09/07/2021		1100	2100
					09/14/2021		970	1900
					10/05/2021		810	1600
					10/12/2021		1000	2000
							900	1800
					11/02/2021			
					11/09/2021		730	1500
					12/07/2021		840	1700
					12/14/2021		1700	4700
					Annual Mean	14000		
					Annual Max	44000		
			mg/kg dry	Plant 2	01/12/2021	43000	3400	4700
			weight	Dewatering	01/19/2021	48000	4100	5500
				Cake	02/09/2021	59000	3900	5500
					03/02/2021	48000	3300	4500
					03/09/2021	46000	3900	5300
					04/06/2021	49000	3900	5300
					04/13/2021		4900	6600
					05/04/2021	44000	3400	4400
					05/11/2021		4700	6200
					06/01/2021		3200	4400
					06/08/2021		3700	4700
					07/13/2021		2700	5600
					07/20/2021		3400	6700
					08/03/2021		3000	6200
					08/10/2021			5800
							2800	
					09/07/2021		4300	8200
					09/14/2021		3600	7100
					10/05/2021		2900	5800
					10/12/2021		3500	6900
					11/02/2021		3200	6500
					11/09/2021		2500	5100
					12/07/2021		3000	6100
				12/14/2021	35000	6300	17000	
				Annual Mean	48000			

Category	Parameter	Method	Units	Sample	Sample Date	Result	MDL	
				Location				RL
	Nitrate-N	EPA	mg/kg	Plant 1	01/12/2021	ND	0.80	1.1
		300.0		Dewatering	01/19/2021	ND	0.80	1.1
				Cake	02/02/2021	ND	0.79	1.1
						ND	3.4	4.7
					02/09/2021	ND	0.80	1.1
					03/02/2021	ND	0.80	1.1
					03/09/2021	ND	0.80	1.1
					04/06/2021	ND	0.80	1.1
					04/13/2021	ND	0.80	1.1
					05/04/2021	ND	0.80	1.1
					05/11/2021	ND	0.80	1.1
					06/01/2021	ND	0.58	1.1
					06/08/2021	ND	0.58	1.1
					07/13/2021	ND	0.58	1.1
					07/20/2021	ND	0.58	1.1
					08/03/2021	ND	0.58	1.1
					08/10/2021	ND	0.58	1.1
					09/07/2021	ND	0.57	1.1
					09/14/2021	ND	0.58	1.1
					10/05/2021	ND	0.58	1.1
					10/12/2021	ND	0.58	1.1
					11/02/2021	ND	0.58	1.1
					11/09/2021	ND	0.58	1.1
					12/07/2021	ND	0.58	1.1
					12/14/2021	ND	0.50	0.98
					Annual Mean	<3.4		
					Annual Max	<3.4		
			mg/kg dry	Plant 1	01/12/2021	ND	3.4	4.6
			weight	Dewatering	01/19/2021	ND	3.5	4.9
				Cake	02/09/2021	ND	3.7	5.1
					03/02/2021	ND	3.4	4.7
					03/09/2021	ND	3.4	4.7
					04/06/2021	ND	3.4	4.7
					04/13/2021	ND	3.3	4.6
					05/04/2021	ND	3.7	5.1
					05/11/2021	ND	3.4	4.7
					06/01/2021	ND	2.4	4.6
					06/08/2021	ND	2.7	5.1
					07/13/2021		2.4	4.6
				07/20/2021	ND	2.4	4.6	
				08/03/2021	ND	2.4	4.5	
				08/10/2021	ND	2.3	4.5	
					09/07/2021	ND	2.2	4.3
					09/14/2021	ND	2.2	4.3
					10/05/2021	ND	2.2	4.3

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					10/12/2021	ND	2.3	4.4
					11/02/2021		2.2	4.2
					11/09/2021		2.2	4.2
					12/07/2021		2.2	4.2
					12/14/2021		2.0	3.9
					Annual Mean	<3.7	5	0.0
					Annual Max	<3.7		
		EPA	mg/kg	Plant 2	01/12/2021		0.80	1.1
		300.0	mg/kg	Dewatering	01/19/2021		0.80	1.1
		300.0		Cake	02/02/2021		0.80	1.1
				Jako	02/02/2021	ND	3.0	4.1
					02/00/2024			
					02/09/2021		0.80	1.1
					03/02/2021		0.80	1.1
					03/09/2021		0.80	1.1
					04/06/2021		0.80	1.1
					04/13/2021		0.80	1.1
					05/04/2021		0.80	1.1
					05/11/2021		0.80	1.1
					06/01/2021		0.58	1.1
					06/08/2021		0.58	1.1
					07/13/2021		0.58	1.1
					07/20/2021		0.58	1.1
					08/03/2021		0.58	1.1
					08/10/2021		0.58	1.1
					09/07/2021		0.58	1.1
					09/14/2021	ND	0.58	1.1
					10/05/2021	ND	0.57	1.1
					10/12/2021	ND	0.58	1.1
					11/02/2021	ND	0.58	1.1
					11/09/2021	ND	0.58	1.1
					12/07/2021	ND	0.58	1.1
					12/14/2021		0.50	0.99
					Annual Mean	0.79 DNQ		
					Annual Max	1.2		
			mg/kg dry	Plant 2	01/12/2021		2.9	4.0
			weight	Dewatering	01/19/2021		3.0	4.1
				Cake	02/09/2021		3.1	4.3
					03/02/2021		2.7	3.8
					03/09/2021		2.8	3.9
					04/06/2021		2.8	3.9
					04/13/2021		2.8	3.8
					05/04/2021		3.2	4.4
					05/11/2021		2.9	4.0
					06/01/2021		2.0	3.7
					06/08/2021		2.7	5.2
					07/13/2021		2.3	4.4
					07/20/2021		2.0	3.9
					08/03/2021		2.0	4.0
					08/10/2021		2.1	4.0
					09/07/2021		2.3	4.3
					09/14/2021		2.2	4.1
					10/05/2021		2.1	4.0
					10/12/2021		2.0	3.8
					11/02/2021		2.1	3.9
					11/09/2021		2.0	3.8
					12/07/2021		2.1	3.9
					12/14/2021		1.8	3.7
					Annual Mean	2.6 DNQ		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL	
	Nitrite-N	EPA	mg/kg	Plant 1	01/12/2021	ND	1.1	1.5	
		300.0		Dewatering	01/19/2021		1.1	1.5	
				Cake	02/02/2021		1.1		
						ND			
					02/09/2021				
					03/02/2021			RL           1.1         1.5           1.1         1.5           1.1         1.5           4.7         6.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           1.1         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62         1.5           0.62	
					03/09/2021				
					04/06/2021				
					04/13/2021				
					05/04/2021	5.3	1.1		
					05/11/2021	ND	1.1	1.5	
					06/01/2021	ND	0.62	1.5	
					06/08/2021				
					07/13/2021				
					07/20/2021				
					08/03/2021				
					08/10/2021				
					09/07/2021		0.61		
					09/14/2021		0.62		
					10/05/2021	ND	0.62	1.5	
					10/12/2021	0.64 DNQ	0.62	1.5	
					11/02/2021				
					11/09/2021				
					12/07/2021				
					12/14/2021		0.31	0.98	
					Annual Mean	1.3 DNQ			
					Annual Max	5.3			
			mg/kg dry	Plant 1	01/12/2021	ND	4.6		
		weight	weight	Dewatering	01/19/2021	ND	4.9	6.6	
				Cake	02/09/2021	ND	5.1	6.9	
					03/02/2021	ND	4.7	6.5	
					03/09/2021				
					04/06/2021				
					04/13/2021				
					05/04/2021				
					05/11/2021				
					06/01/2021		2.6		
					06/08/2021	3.9 DNQ	2.9	6.9	
					07/13/2021	16	2.6		
					07/20/2021		2.6		
					08/03/2021				
					08/10/2021				
					09/07/2021				
					09/14/2021				
					10/05/2021		2.4		
					10/12/2021		2.5		
					11/02/2021	ND	2.4	5.7	
					11/09/2021	ND	2.4	5.8	
					12/07/2021		2.4		
					12/14/2021		1.2		
					Annual Mean	4.8 DNQ		0.0	
					Annual Max	24			
		ED^	ma/les	Dlort 2			1 1	1 5	
		EPA	mg/kg	Plant 2	01/12/2021		1.1	1.5	
		300.0		Dewatering	01/19/2021		1.1	1.5	
				Cake	02/02/2021	ND	1.1	1.5	
						ND	4.1	5.5	
					02/09/2021	ND	1.1	1.5	
					03/02/2021		1.1	1.5	
					03/09/2021		1.1	1.5	
					04/06/2021		1.1	1.5	
	1					04/13/2021	IND	1.1	1.5
					05/04/2021	NID	1.1	1.5	

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
					05/11/2021	ND	1.1	1.5
					06/01/2021		0.62	1.5
					06/08/2021		0.62	1.5
					07/13/2021		0.62	1.5
					07/20/2021		0.62	1.5
					08/03/2021		0.62	1.5
					08/10/2021		0.62	1.5
					09/07/2021		0.62	1.5
					09/14/2021		0.62	1.5
					10/05/2021		0.61	1.5
					10/12/2021	ND	0.62	1.5
					11/02/2021	ND	0.62	1.5
					11/09/2021	ND	0.62	1.5
					12/07/2021	ND	0.62	1.5
					12/14/2021	0.32 DNQ	0.31	0.99
					Annual Mean	1.1 DNQ		
					Annual Max	4.9		
			mg/kg dry	Plant 2	01/12/2021		4.0	5.4
			weight	Dewatering	01/19/2021		4.1	5.5
			Weight	Cake				
				Jake	02/09/2021		4.3	5.9
					03/02/2021		3.8	5.2
					03/09/2021		3.9	5.3
					04/06/2021		3.9	5.3
					04/13/2021		3.8	5.2
					05/04/2021		4.4	6.0
					05/11/2021	ND	4.0	5.4
					06/01/2021	ND	2.1	5.1
					06/08/2021	3.1 DNQ	2.9	7.0
					07/13/2021	ND	2.5	6.0
					07/20/2021		2.2	5.3
					08/03/2021		2.3	5.5
					08/10/2021		2.2	5.4
					09/07/2021		2.4	5.9
					09/14/2021		2.3	5.6
					10/05/2021		2.2	5.4
					10/12/2021		2.1	5.2
					11/02/2021		2.2	5.4
					11/09/2021		2.1	5.1
					12/07/2021		2.2	5.4
					12/14/2021		1.1	3.7
					Annual Mean	3.6 DNQ		
					Annual Max	18		
	Organic	HML 939-	mg/kg dry	Plant 1	01/12/2021	ND	0.014	0.021
	Lead	M	weight	Dewatering	04/06/2021	ND	0.10	0.17
				Cake	07/20/2021	ND	0.076	0.084
					Annual Mean	<0.10		
					Annual Max	<0.10		
		HML 939-	mg/kg dry	Plant 2	01/12/2021		0.012	0.018
		M	weight	Dewatering	04/06/2021		0.085	0.14
				Cake	07/20/2021		0.064	0.071
					Annual Mean	<0.085	0.004	0.07 1
	0	LINAL COO	/!	Diam to 4	Annual Max	<0.085	0.0004	0.0045
	Organic	HML 939-	mg/kg	Plant 1	01/12/2021		0.0034	0.0049
	Lead wet	M		Dewatering	04/06/2021		0.024	0.040
	weight			Cake	07/20/2021		0.018	0.020
					Annual Mean	<0.024		
					Annual Max	<0.024		
		HML 939-	mg/kg	Plant 2	01/12/2021		0.0034	0.0049
		М		Dewatering	04/06/2021		0.024	0.040
				Cake	07/20/2021		0.018	0.020
					Annual Mean	<0.024	2.0.0	
					Annual Max	<0.024		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Organic	CALC	mg/kg dry	Plant 1	01/12/2021	42000		
	Nitrogen		weight	Dewatering	01/19/2021	46000		
				Cake	02/02/2021	44000		
					02/09/2021	35000		
					03/02/2021	44000		
					03/09/2021	43000		
					04/06/2021			
					04/13/2021			
					05/04/2021			
					05/11/2021			
					06/01/2021			
					06/08/2021			
					07/13/2021			
					07/20/2021			
					08/03/2021			
					08/10/2021			
					09/07/2021			
					09/14/2021			
					10/05/2021			
					10/12/2021			
					11/02/2021			
					11/09/2021			
					12/07/2021	55000		
					Annual Mean	46000		
					Annual Max	57000		
		CALC	mg/kg dry	Plant 2	01/12/2021	36000		
			weight	Dewatering	01/19/2021	43000		
				Cake	02/02/2021			
					02/09/2021			
					03/02/2021			
					03/09/2021			
					04/06/2021			
					04/13/2021			
					05/04/2021			
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					09/14/2021			
					10/05/2021			
					10/12/2021			
					11/02/2021			
					11/09/2021			
					12/07/2021			
					Annual Mean	42000		
					Annual Max	51000		
	Organic	CALC	mg/kg	Plant 1	01/12/2021			
	Nitrogen wet weight			Dewatering	01/19/2021	10000		
				Cake	02/02/2021			
					02/09/2021	7600		
					03/02/2021			
					03/09/2021			
					04/06/2021			
					04/13/2021			
					05/04/2021			
					05/11/2021			
					06/01/2021			
					00/01/2021			
					06/08/2021	0300		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL	
					07/13/2021	11000			
					07/20/2021	11000			
					08/03/2021				
					08/10/2021				
					09/07/2021				
					09/14/2021				
					10/05/2021				
					10/12/2021				
					11/02/2021				
					11/09/2021				
					12/07/2021				
					Annual Mean	11000			
					Annual Max	14000			
		CALC	mg/kg	Plant 2	01/12/2021	10000			
				Dewatering	01/19/2021	12000			
				Cake	02/02/2021	11000			
					02/09/2021				
					03/02/2021				
					03/09/2021				
					04/06/2021				
							<b></b>		
					04/13/2021				
					05/04/2021				
					05/11/2021				
					06/01/2021				
					06/08/2021				
					07/13/2021				
					07/20/2021	11000			
					08/03/2021	12000			
					08/10/2021	11000			
					09/07/2021				
					09/14/2021				
					10/05/2021				
					10/12/2021				
					11/02/2021				
					11/09/2021				
					12/07/2021				
					Annual Mean	12000			
					Annual Max	14000			
	pН	EPA	pH units	Plant 1	01/12/2021		0.10	0.1	
		9045C		Dewatering	01/19/2021		0.10	0.1	
				Cake	02/02/2021		0.10	0.1	
					02/09/2021	8.2	0.10	0.1	
					03/02/2021	8.0	0.10	0.1	
					03/09/2021		0.10	0.1	
					04/06/2021		0.10	0.1	
					04/13/2021		0.10	0.1	
					05/04/2021		0.10	0.1	
					05/11/2021		0.10	0.1	
					06/01/2021		0.10	0.1	
					06/08/2021		0.10	0.1	
					07/13/2021		0.10	0.1	
					07/20/2021		0.10	0.1	
					08/03/2021		0.10	0.1	
					08/10/2021		0.10	0.1	
					09/07/2021	8.0	0.10	0.1	
					09/14/2021		0.10	0.1	
					10/05/2021		0.10	0.1	
					10/12/2021		0.10	0.1	
		1					0.10	0.1	
									U. I
					11/02/2021				
					11/09/2021	7.5	0.10	0.1	
						7.5 8.3			

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					Annual Mean	8.1		
					Annual Max	8.4		
		EPA	pH units	Plant 2	01/12/2021		0.10	0.1
		9045C	pri dilita	Dewatering	01/19/2021		0.10	0.1
		00100	Cake	02/02/2021		0.10	0.1	
				Oake	02/02/2021		0.10	0.1
					03/02/2021		0.10	0.1
					03/09/2021		0.10	0.1
					04/06/2021			0.1
					04/06/2021		0.10	0.1
					05/04/2021			0.1
							0.10	0.1
					05/11/2021			
					06/01/2021		0.10	0.1
					06/08/2021		0.10	0.1
					07/13/2021		0.10	0.1
					07/20/2021		0.10	0.1
					08/03/2021		0.10	0.1
					08/10/2021		0.10	0.1
					09/07/2021		0.10	0.1
					09/14/2021		0.10	0.1
					10/05/2021		0.10	0.1
					10/12/2021		0.10	0.1
					11/02/2021		0.10	0.1
					11/09/2021		0.10	0.1
					12/07/2021		0.10	0.1
					12/14/2021		1.7	1.7
					Annual Mean	8.1		
					Annual Max	8.5		
	Temperature		°C		01/12/2021		1.0	1.0
		9045C		Dewatering	04/06/2021		1.0	1.0
				Cake	Annual Mean	20		
					Annual Max	20		
		EPA	°C	Plant 2	01/12/2021	19.0	1.0	1.0
		9045C		Dewatering	04/06/2021	20.2	1.0	1.0
				Cake	Annual Mean	20		
					Annual Max	20		
	Total	EPA 9014	mg/kg dry	Plant 1	01/12/2021		1.8	2.0
	Cyanide		weight	Dewatering	04/06/2021	ND	1.8	2.1
				Cake	07/20/2021	ND	1.8	2.1
					Annual Mean	<1.8		
					Annual Max	<1.8		
		EPA 9014	mg/kg dry	Plant 2	01/12/2021	ND	1.5	1.8
			weight	Dewatering	04/06/2021	3.1	1.5	1.8
				Cake	07/20/2021		1.5	1.7
					Annual Mean	2.0 DNQ		
					Annual Max	3.1		
	Total	EPA 9014	mg/kg	Plant 1	01/12/2021		0.42	0.48
	Cyanide wet			Dewatering	04/06/2021		0.43	0.50
	weight			Cake	07/20/2021		0.43	0.50
					Annual Mean	<0.43	- · ·	
					Annual Max	<0.43		
		EPA 9014	ma/ka	Plant 2	01/12/2021		0.43	0.50
			9,9	Dewatering	04/06/2021		0.43	0.50
				Cake	07/20/2021		0.42	0.48
					Annual Mean	0.57 DNQ	UTL	0.70

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
1	Γotal	CALC	mg/kg dry	Plant 1	01/12/2021	50000		
1	Vitrogen		weight	Dewatering	01/19/2021	53000		
	J			Cake	02/02/2021	52000		
					02/09/2021			
					03/02/2021			
					03/09/2021			
					04/06/2021			
					04/13/2021			
					05/04/2021			
					05/11/2021	56000		
					06/01/2021	59000		
					06/08/2021	51000		
					07/13/2021			
					07/20/2021			
					08/03/2021			
					08/10/2021			
					09/07/2021			
					09/14/2021			
					10/05/2021	54000		
					10/12/2021	64000		
					11/02/2021	53000		
					11/09/2021			
					12/07/2021			
					12/14/2021			
					Annual Mean	54000		
					Annual Max	64000		
		CALC	mg/kg dry	Plant 2	01/12/2021			
			weight	Dewatering				
				Cake	02/02/2021	44000		
					02/09/2021	59000		
					03/02/2021			
					03/09/2021			
					04/06/2021			
					04/13/2021			
					05/04/2021			
					05/11/2021			
					06/01/2021	48000		
					06/08/2021	52000		
					07/13/2021	48000		
					07/20/2021	42000		
					08/03/2021			
					08/10/2021			
					09/07/2021			
					09/14/2021			
					10/05/2021			
					10/12/2021			
					11/02/2021			
					11/09/2021	48000		
					12/07/2021	54000		
					12/14/2021			
					Annual Mean	48000		
					Annual Max	59000		
-	Fotol	CALC	malka	Diopt 1				
	Total	CALC	mg/kg	Plant 1	01/12/2021			
	Nitrogen wet			Dewatering	01/19/2021			
V	veight			Cake	02/02/2021			
					02/09/2021	10000		
					03/02/2021	12000		
					03/09/2021			
					04/06/2021			
					04/13/2021			
					05/04/2021			
			1	U3/U4/ZUZ I	IZUUU			
					05/11/2021			

Category	Parameter	Method	Units	Sample	Sample Date	Result	MDL	
				Location	00/04/0004	1.1000		RL
					06/01/2021			
					06/08/2021			
					07/13/2021			
					07/20/2021			
					08/03/2021			
					08/10/2021			
					09/07/2021	15000		
					09/14/2021	14000		
					10/05/2021	14000		
					10/12/2021	16000		
					11/02/2021			
					11/09/2021			
					12/07/2021			
					12/14/2021			<del></del>
					Annual Mean	13000		
			,		Annual Max	16000		
		CALC	mg/kg	Plant 2	01/12/2021			
				Dewatering	01/19/2021			
				Cake	02/02/2021			
					02/09/2021	15000		
					03/02/2021	14000		
					03/09/2021	13000		
					04/06/2021	14000		
					04/13/2021			
					05/04/2021			
					05/11/2021			
					06/01/2021			
					06/08/2021			
					07/13/2021			<del></del>
					07/20/2021			
					08/03/2021			
					08/10/2021			
					09/07/2021			
					09/14/2021	13000		
					10/05/2021	13000		
					10/12/2021	15000		
					11/02/2021	13000		
					11/09/2021	14000		
					12/07/2021			
					12/14/2021			
					Annual Mean	13000		
					Annual Max	15000		
	Total Solids	SM	%	Plant 1	01/12/2021		0.050	0.0500
	TOTAL SUIIUS	2540G	/0					
		20400		Dewatering Cake	01/19/2021		0.050	0.0500
				Care	02/02/2021		0.050	0.0500
					02/09/2021		0.050	0.0500
					03/02/2021		0.050	0.0500
					03/09/2021		0.050	0.0500
					04/06/2021		0.050	0.0500
					04/13/2021	24.1	0.050	0.0500
					05/04/2021	21.7	0.050	0.0500
					05/11/2021	23.2	0.050	0.0500
					06/01/2021		0.050	0.0500
					06/08/2021		0.050	0.0500
					07/13/2021		0.050	0.050
					07/20/2021		0.050	0.0500
					0//////////////////////////////////////	<u></u>	0.000	0.0000
						24.5	0.050	0.0500
					08/03/2021		0.050	0.0500
					08/03/2021 08/10/2021	24.7	0.050	0.0500
					08/03/2021 08/10/2021 09/07/2021	24.7 25.4	0.050 0.050	0.0500 0.0500
					08/03/2021 08/10/2021 09/07/2021 09/14/2021	24.7 25.4 25.8	0.050 0.050 0.050	0.0500 0.0500 0.0500
					08/03/2021 08/10/2021 09/07/2021	24.7 25.4 25.8 25.8	0.050 0.050	0.0500 0.0500

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					11/02/2021	26.3	0.050	0.0500
					11/09/2021		0.050	0.0500
					12/07/2021		0.050	0.0500
					12/14/2021		0.10	0.100
					Annual Mean	24	0.10	0.100
					Annual Max	26		
		SM	%	Plant 2	01/12/2021		0.050	0.0500
		2540G	70		01/19/2021			
		2540G		Dewatering Cake			0.050	0.0500
				Cake	02/02/2021		0.050	0.0500
					02/09/2021		0.050	0.0500
					03/02/2021		0.050	0.0500
					03/09/2021	28.4	0.050	0.0500
					04/06/2021	28.3	0.050	0.0500
					04/13/2021	28.6	0.050	0.0500
					05/04/2021	24.9	0.050	0.0500
					05/11/2021	27.6	0.050	0.0500
					06/01/2021		0.050	0.0500
					06/08/2021	-	0.050	0.0500
					07/13/2021		0.050	0.050
						-		0.0500
					07/20/2021		0.050	
					08/03/2021		0.050	0.0500
					08/10/2021		0.050	0.0500
					09/07/2021		0.050	0.0500
					09/14/2021	26.8	0.050	0.0500
					10/05/2021	27.8	0.050	0.0500
					10/12/2021	28.9	0.050	0.0500
					11/02/2021	27.9	0.050	0.0500
					11/09/2021		0.050	0.0500
					12/07/2021		0.050	0.0500
					12/14/2021		0.10	0.100
					Annual Mean	27	0.10	0.100
				DI 1.1	Annual Max	29	2.27	0.4
ace	Antimony	EPA	mg/kg dry	Plant 1	01/12/2021		0.97	2.1
ements		6010C	weight	Dewatering	04/06/2021		0.99	2.1
				Cake	***************************************	0.97	2.1	
					Annual Mean	1.7 DNQ		
					Annual Max	3.1		
		EPA	mg/kg dry	Plant 2	01/12/2021	2.4	0.83	1.8
		6010C	weight	Dewatering	04/06/2021		0.85	1.8
			g	Cake	07/20/2021		0.81	1.7
					Annual Mean	1.4 DNQ	0.01	1.7
					Annual Max	2.4		
	A 1:	EDA	//	DI 14			0.00	0.40
	Antimony	EPA	mg/kg	Plant 1	01/12/2021		0.23	0.49
	wet weight	6010C		Dewatering	04/06/2021		0.23	0.49
				Cake	07/20/2021		0.23	0.50
					Annual Mean	0.40 DNQ		
					Annual Max	0.73		
		EPA	mg/kg	Plant 2	01/12/2021	0.67	0.23	0.49
		6010C	_	Dewatering	04/06/2021		0.24	0.50
				Cake	07/20/2021		0.23	0.49
					Annual Mean	0.38 DNQ		
					Annual Max	0.67		
	Arsenic	EPA	mg/kg dry	Plant 1	01/12/2021		1.1	11
	AI SEI IIC	6010C						
		00100	weight	Dewatering	01/19/2021		1.1	11
				Cake	02/02/2021		1.1	10
					02/09/2021		1.2	12
					03/02/2021		1.1	10
						40		40
					03/09/2021	12	1.1	10
					03/09/2021 04/06/2021		1.1	10
					04/06/2021	10 DNQ	1.1	11
						10 DNQ 11		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL	
				Location	06/01/2021	12	1.1	11	
					06/08/2021		1.2	12	
					07/13/2021		1.0	10	
					07/20/2021		1.1	11	
					08/03/2021		1.1	10	
					08/10/2021		1.0	10	
					09/07/2021		0.98	9.8	
					09/14/2021	11	0.97	9.7	
					10/05/2021	9.3 DNQ	0.97	9.7	
					10/12/2021	8.0 DNQ	1.0	10.0	
					11/02/2021	8.4 DNQ	0.99	9.5	
					11/09/2021		0.92	8.8	
					12/07/2021		0.97	9.7	
							1.0	10	
					12/14/2021		1.0	10	
					Annual Mean	10 DNQ			
					Annual Max	16			
		EPA	mg/kg	Plant 2	02/02/2021		0.96	9.2	
		6010C		Dewatering	Annual Mean	16			
				Cake	Annual Max	16			
			mg/kg dry	Plant 2	01/12/2021		0.90	9.0	
			weight	Dewatering	01/19/2021		0.92	9.2	
				Cake	02/09/2021		1.0	9.8	
				Jako	03/02/2021		0.86	8.6	
					03/09/2021		0.88	8.5	
					04/06/2021		0.92	8.8	
					04/13/2021	15	0.87	8.4	
					05/04/2021	16	1.0	10	
					05/11/2021	16	0.91	9.1	
					06/01/2021	13	0.85	8.5	
					06/08/2021		1.2	11	
					07/13/2021		1.0	10	
				07/20/2021		0.88	8.8		
					08/03/2021		0.88	9.1	
					08/10/2021		0.90	9.0	
					09/07/2021		0.98	9.8	
					09/14/2021	15	0.93	9.3	
					10/05/2021	12	0.90	9.0	
					10/12/2021	11	0.87	8.7	
					11/02/2021		0.93	9.0	
					11/09/2021		0.82	8.2	
					12/07/2021		0.89	8.9	
					12/14/2021		0.09	9.2	
							0.92	ð.Z	
					Annual Mean	14			
					Annual Max	20		_	
	Arsenic wet	EPA	mg/kg	Plant 1	01/12/2021		0.25	2.5	
	weight	6010C		Dewatering	01/19/2021	3.6	0.25	2.4	
				Cake	02/02/2021	3.2	0.25	2.4	
					02/09/2021		0.25	2.5	
					03/02/2021		0.25	2.4	
					03/09/2021		0.25	2.4	
					04/06/2021		0.25	2.5	
					04/13/2021		0.25	2.5	
					05/04/2021		0.25	2.5	
					05/11/2021	2.7	0.25	2.5	
					06/01/2021		0.25	2.5	
					06/08/2021		0.25	2.5	
					07/13/2021		0.25	2.5	
					07/20/2021		0.25	2.5	
					08/03/2021		0.26	2.5	
					08/10/2021		0.25	2.5	
						09/07/2021	1.8 DNQ	0.25	2.5
					09/14/2021		0.25	2.5	

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
					10/05/2021	2.4 DNQ	0.25	2.5
					10/12/2021		0.25	2.5
					11/02/2021		0.26	2.5
					11/09/2021		0.24	2.3
					12/07/2021		0.25	2.5
					12/14/2021		0.25	2.5
					Annual Mean	2.4 DNQ	0.20	2.0
					Annual Max	3.6		
		EPA	mg/kg	Plant 2	01/12/2021		0.25	2.5
		6010C	mg/kg	Dewatering	01/19/2021		0.25	2.5
		00100		Cake	02/02/2021		0.26	2.5
				- Canto	02/09/2021		0.26	2.5
					03/02/2021		0.25	2.5
					03/09/2021		0.25	2.4
					04/06/2021		0.26	2.5
					04/13/2021		0.25	2.4
					05/04/2021		0.25	2.5
					05/04/2021		0.25	2.5
					06/01/2021		0.25	2.5
					06/08/2021		0.25	2.4
					07/13/2021		0.25	2.5
					07/13/2021		0.25	2.5
					08/03/2021		0.25	2.5
					08/10/2021		0.25	2.5
								2.5
						09/07/2021 2.5 0.25 09/14/2021 3.9 0.25		2.5
					10/05/2021 3.4 0.25		2.5	
					10/12/2021		0.25	2.5
					11/02/2021		0.26	2.5
					11/09/2021		0.24	
					12/07/2021		0.25	2.5
					12/14/2021		0.25	2.5
					Annual Mean	3.8		
	Porium	EPA	ma/ka dni	Plant 1	Annual Max	5.2	0.20	21
	Barium	6010C	mg/kg dry weight	Dewatering	01/12/2021			
		30 100	Weign	_	04/06/2021		0.20	21
				(:ake	07/20/2024	630	0.22	21
				Cake	07/20/2021		0.22	21
				Cake	Annual Mean	680	0.22	21
		EDA	ma/ka day		Annual Mean Annual Max	680 710		
		EPA	mg/kg dry	Plant 2	Annual Mean Annual Max 01/12/2021	680 710 1400	0.18	18
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering	Annual Mean Annual Max 01/12/2021 04/06/2021	680 710 1400 1500	0.18 0.18	18
				Plant 2	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021	680 710 1400 1500 1200	0.18	18
				Plant 2 Dewatering	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean	680 710 1400 1500 1200 1400	0.18 0.18	18
	Dorings wat	6010C	weight	Plant 2 Dewatering Cake	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max	680 710 1400 1500 1200 1400 1500	0.18 0.18 0.18	18 18 17
	Barium wet	6010C EPA		Plant 2 Dewatering Cake Plant 1	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021	680 710 1400 1500 1200 1400 1500 170	0.18 0.18 0.18	18 18 17
	Barium wet weight	6010C	weight	Plant 2 Dewatering Cake  Plant 1 Dewatering	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021	680 710 1400 1500 1200 1400 1500 170 160	0.18 0.18 0.18 0.050 0.050	18 18 17 4.9 4.9
		6010C EPA	weight	Plant 2 Dewatering Cake Plant 1	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021	680 710 1400 1500 1200 1400 1500 170 160 150	0.18 0.18 0.18	18 18 17
		6010C EPA	weight	Plant 2 Dewatering Cake  Plant 1 Dewatering	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean	680 710 1400 1500 1200 1400 1500 170 160 150	0.18 0.18 0.18 0.050 0.050	18 18 17 4.9 4.9
		6010C EPA 6010C	weight mg/kg	Plant 2 Dewatering Cake  Plant 1 Dewatering Cake	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Mean Annual Mean Annual Mean Annual Mean	680 710 1400 1500 1200 1400 1500 170 160 150 160 170	0.18 0.18 0.18 0.050 0.050 0.051	18 18 17 4.9 4.9 5.0
		6010C EPA 6010C	weight	Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Mean Annual Mean Annual Mean Annual Max 01/12/2021	680 710 1400 1500 1200 1400 1500 170 160 150 170 380	0.18 0.18 0.18 0.050 0.050 0.051	18 18 17 4.9 4.9 5.0
		6010C EPA 6010C	weight mg/kg	Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2 Dewatering	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Mean Annual Mean Annual Mean Annual Mean Annual Max 01/12/2021 04/06/2021	680 710 1400 1500 1200 1400 1500 170 160 150 160 170 380 420	0.18 0.18 0.18 0.050 0.050 0.051	18 18 17 4.9 4.9 5.0
		6010C EPA 6010C	weight mg/kg	Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2	Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Max 01/12/2021 04/06/2021 07/20/2021 Annual Mean Annual Mean Annual Mean Annual Mean Annual Max 01/12/2021	680 710 1400 1500 1200 1400 1500 170 160 150 160 170 380 420	0.18 0.18 0.18 0.050 0.050 0.051	18 18 17 4.9 4.9 5.0

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Beryllium	EPA	mg/kg dry	Plant 1	01/12/2021	0.059 DNQ	0.024	0.21
		6010C	weight	Dewatering	04/06/2021		0.025	0.21
				Cake		0.068 DNQ	0.024	0.21
					Annual Mean	0.082 DNQ		
					Annual Max	0.12 DNQ		
		EPA	mg/kg dry	Plant 2		0.094 DNQ	0.021	0.18
		6010C	weight	Dewatering	04/06/2021		0.021	0.18
		00100	Weight	Cake		0.085 DNQ	0.021	0.17
				Care			0.020	0.17
					Annual Mean	0.10 DNQ		
			,		Annual Max	0.12 DNQ		
	Beryllium	EPA	mg/kg	Plant 1		0.014 DNQ	0.0058	0.049
	wet weight	6010C		Dewatering		0.027 DNQ	0.0058	0.049
				Cake		0.016 DNQ	0.0058	0.050
					Annual Mean	0.019 DNQ		
					Annual Max	0.027 DNQ		
		EPA	mg/kg	Plant 2	01/12/2021	0.026 DNQ	0.0058	0.049
		6010C	6010C De	Dewatering	04/06/2021	0.033 DNQ	0.0059	0.050
				Cake	07/20/2021	0.024 DNQ	0.0058	0.049
					Annual Mean	0.028 DNQ		
					Annual Max	0.033 DNQ		
	Cadmium	EPA	mg/kg dry	Plant 1	01/12/2021		0.18	0.41
	- Sammann	6010C	weight	Dewatering	01/19/2021		0.18	0.43
		30.30		Cake	02/02/2021		0.18	0.43
				355	02/09/2021		0.10	0.42
					03/02/2021		0.19	0.43
					03/09/2021		0.18	0.42
					04/06/2021		0.18	0.42
					04/13/2021		0.17	0.41
					05/04/2021		0.19	0.46
					05/11/2021	0.73	0.18	0.43
					06/01/2021	1.2	0.18	0.42
					06/08/2021	0.88	0.19	0.46
					07/13/2021	0.83	0.18	0.41
					07/20/2021	1.1	0.18	0.42
					08/03/2021	0.61	0.17	0.41
					08/10/2021		0.17	0.40
					09/07/2021		0.17	0.39
							0.16	0.38
					10/05/2021		0.16	0.39
						10/12/2021 0.76 0.17		
					11/02/2021 0.95 0.1		0.16	0.39
							0.16	0.36
					12/07/2021		0.16	0.38
					12/14/2021		0.17	0.40
					Annual Mean	1.0		
				DI 10	Annual Max	2.2	0.1-	0.05
		EPA	mg/kg	Plant 2	02/02/2021		0.15	0.37
		6010C		Dewatering	Annual Mean	1.8		
				Cake	Annual Max	1.8		
			mg/kg dry	Plant 2	01/12/2021		0.15	0.36
			weight	Dewatering	01/19/2021		0.15	0.36
				Cake	02/09/2021	1.9	0.16	0.39
					03/02/2021	1.8	0.14	0.34
					03/09/2021	1.7	0.14	0.35
					04/06/2021		0.15	0.35
					04/13/2021		0.14	0.34
					05/04/2021		0.17	0.40
					05/11/2021		0.17	0.36
					06/01/2021		0.13	0.34
					06/08/2021		0.19	0.46
					07/13/2021		0.17	0.40
		1	1	1	07/20/2021	11 フ	0.15	0.35

		EPA 6010C	mg/kg	Plant 1 Dewatering Cake	08/03/2021 08/10/2021 09/07/2021 09/07/2021 10/05/2021 11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/09/2021	1.0 1.5 1.3 1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.15 0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.042 0.041 0.042 0.041	0.36 0.36 0.39 0.37 0.36 0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098
			mg/kg	Dewatering	08/10/2021 09/07/2021 09/14/2021 10/05/2021 10/12/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/09/2021 03/02/2021 03/09/2021	1.0 1.5 1.3 1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.14 0.15 0.15 0.042 0.041 0.042 0.041	0.36 0.39 0.37 0.36 0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	09/07/2021 09/14/2021 10/05/2021 10/12/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 02/02/2021 02/09/2021 03/09/2021	1.5 1.3 1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.16 0.16 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.042 0.041 0.042 0.041	0.39 0.37 0.36 0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	09/14/2021 10/05/2021 10/12/2021 11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.3 1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.16 0.15 0.15 0.15 0.14 0.15 0.15 0.15 0.042 0.041 0.042 0.041	0.37 0.36 0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	10/05/2021 10/12/2021 11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.15 0.15 0.14 0.15 0.15 0.042 0.041 0.042 0.041	0.36 0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	10/05/2021 10/12/2021 11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.3 1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.15 0.15 0.14 0.15 0.15 0.042 0.041 0.042 0.041	0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	10/12/2021 11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.1 1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.15 0.14 0.15 0.15 0.042 0.041 0.042 0.041	0.35 0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	11/02/2021 11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.2 1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.14 0.15 0.15 0.042 0.041 0.041 0.042 0.041	0.36 0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	11/09/2021 12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.2 1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.14 0.15 0.15 0.042 0.041 0.041 0.042 0.041	0.33 0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	12/07/2021 12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.3 1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.15 0.15 0.042 0.041 0.041 0.042 0.041	0.35 0.37 0.098 0.097 0.098 0.098
			mg/kg	Dewatering	12/14/2021 Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.5 1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.042 0.041 0.041 0.042 0.041	0.098 0.097 0.098 0.098
			mg/kg	Dewatering	Annual Mean Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	1.5 2.2 0.25 0.28 0.44 0.25 0.52	0.042 0.041 0.041 0.042 0.041	0.098 0.097 0.098 0.098
			mg/kg	Dewatering	Annual Max 01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	2.2 0.25 0.28 0.44 0.25 0.52	0.041 0.041 0.042 0.041	0.097 0.098 0.098
			mg/kg	Dewatering	01/12/2021 01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	0.25 0.28 0.44 0.25 0.52	0.041 0.041 0.042 0.041	0.097 0.098 0.098
			mg/kg	Dewatering	01/19/2021 02/02/2021 02/09/2021 03/02/2021 03/09/2021	0.28 0.44 0.25 0.52	0.041 0.041 0.042 0.041	0.097 0.098 0.098
we	et weight	6010C		_	02/02/2021 02/09/2021 03/02/2021 03/09/2021	0.44 0.25 0.52	0.041 0.042 0.041	0.098 0.098
				Cake	02/09/2021 03/02/2021 03/09/2021	0.25 0.52	0.042 0.041	0.098
					03/02/2021 03/09/2021	0.52	0.041	
					03/09/2021			0.097
						0.04		
						U.24	0.041	0.098
					04/06/2021		0.042	0.098
					04/13/2021		0.042	0.098
					05/04/2021		0.042	0.099
					05/11/2021		0.042	0.099
					06/01/2021		0.042	0.099
								0.10
					06/08/2021		0.042	
					07/13/2021		0.042	0.099
					07/20/2021		0.042	0.099
					08/03/2021		0.042	0.10
						0.042	0.098	
					09/07/2021	0.19	0.042	0.099
					09/14/2021	0.30	0.042	0.099
					10/05/2021	0.21	0.042	0.10
					10/12/2021	0.19	0.042	0.098
					11/02/2021	0.25	0.042	0.10
					11/09/2021		0.040	0.093
					12/07/2021		0.042	0.099
					12/14/2021		0.042	0.099
					Annual Mean	0.25	0.042	0.000
						0.52		
				Diant 0	Annual Max		0.040	0.000
		EPA	mg/kg	Plant 2	01/12/2021		0.042	0.099
		6010C		Dewatering	01/19/2021		0.042	0.098
				Cake	02/02/2021		0.042	0.10
					02/09/2021		0.042	0.10
					03/02/2021		0.042	0.099
					03/09/2021		0.041	0.098
					04/06/2021	0.46	0.042	0.10
					04/13/2021	0.45	0.041	0.097
					05/04/2021	0.48	0.042	0.099
					05/11/2021		0.042	0.099
					06/01/2021		0.042	0.099
					06/08/2021		0.041	0.097
					07/13/2021		0.042	0.099
					07/20/2021		0.042	0.099
					08/03/2021		0.042	0.099
								0.10
					08/10/2021		0.042	
					09/07/2021		0.042	0.099
					09/14/2021		0.042	0.099
					10/05/2021		0.042	0.099
					10/12/2021		0.042	0.10
					11/02/2021	0.33	0.042	0.10
					11/09/2021	0.35	0.040	0.095
					12/07/2021	0.35	0.042	0.099
					12/14/2021		0.042	0.099

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
					Annual Mean	0.42		
					Annual Max	0.60		
	Chromium	EPA	mg/kg dry	Plant 1	01/12/2021	46	0.67	1.1 1.1 1.0 1.2 1.0 1.1 1.0 1.2 1.0 1.1 1.0 1.2 1.1 1.1 1.1 1.2 1.0 1.1 1.0 0.98 0.97 0.97 1.00 0.95 0.88 0.97 1.00 0.95 0.88 0.97 1.00 0.92 0.92 0.92 0.98 0.86 0.85
		6010C	weight	Dewatering	01/19/2021	49	0.71	1.1
				Cake	02/02/2021	52	0.69	1.1 1.1 1.0 1.2 1.0 1.0 1.1 1.0 1.1 1.1 1.1 1.1 1.2 1.0 1.1 1.0 0.98 0.97 0.95 0.88 0.97 1.00 0.95 0.88 0.97 1.0 0.92 0.92 0.92 0.92 0.92 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85
					02/09/2021	35	0.74	1.2
					03/02/2021	47	0.69	1.0
					03/09/2021	47	0.69	1.0
					04/06/2021	42	0.69	1.1
					04/13/2021	66	0.66	1.0
					05/04/2021	51	0.74	1.2
					05/11/2021	47	0.69	1.1
					06/01/2021	40	0.68	1.1
					06/08/2021		0.74	1.2
					07/13/2021		0.67	1.0
					07/20/2021		0.68	
					08/03/2021		0.65	1.0
					08/10/2021		0.65	
					09/07/2021		0.63	
					09/14/2021		0.62	
					10/05/2021		0.62	
					10/12/2021		0.64	
					11/02/2021		0.61	
					11/09/2021		0.58	
					12/07/2021		0.62	
					12/14/2021		0.64	
					Annual Mean	46		
					Annual Max	66		
		EPA	mg/kg dry	Plant 2	01/12/2021		0.58	0.90
		6010C	weight	Dewatering	01/19/2021		0.59	
			3	Cake	02/02/2021		0.59	
					02/09/2021		0.63	
					03/02/2021		0.55	
					03/09/2021		0.56	
					04/06/2021		0.57	
					04/13/2021		0.56	
					05/04/2021		0.64	
					05/11/2021		0.58	
					06/01/2021	-	0.54	
					06/08/2021		0.75	
					07/13/2021		0.73	
					07/20/2021		0.57	
					08/03/2021		0.58	
					08/10/2021		0.58	
					09/07/2021		0.63	
					09/14/2021		0.60	
					10/05/2021		0.58	0.90
					10/05/2021		0.55	0.90
					11/02/2021		0.55	0.87
					11/09/2021		0.51	0.82
					12/07/2021		0.57	0.89
					12/14/2021		0.59	0.92
					Annual Mean	47		
	Chartium	EDA.		Dlant 4	Annual Max	64	0.10	0.05
	Chromium	EPA	mg/kg	Plant 1	01/12/2021		0.16	0.25
	wet weight	6010C		Dewatering	01/19/2021		0.16	0.24
				Cake	02/02/2021		0.16	0.24
					02/09/2021 03/02/2021		0.16 0.16	0.25

/ Parame	eter Method	Units	Sample Location	Sample Date	Result	MDL	R
				03/09/2021	11	0.16	0.24
				04/06/2021		0.16	0.25
				04/13/2021		0.16	0.25
				05/04/2021		0.16	0.25
				05/11/2021		0.16	0.25
				06/01/2021		0.16	0.25
				06/08/2021		0.16	0.25
				07/13/2021		0.16	0.25
				07/20/2021		0.16	0.25
				08/03/2021		0.16	0.25
				08/10/2021		0.16	0.25
				09/07/2021	11	0.16	0.25
				09/14/2021	11	0.16	0.25
				10/05/2021	11	0.16	0.25
				10/12/2021		0.16	0.25
				11/02/2021		0.16	0.25
				11/09/2021		0.15	0.23
				12/07/2021		0.16	0.25
				12/14/2021		0.16	0.25
						0.10	0.25
				Annual Mean	11		
			DI ( 2	Annual Max	16	0.15	
	EPA	mg/kg	Plant 2	01/12/2021		0.16	0.25
	6010C		Dewatering	01/19/2021		0.16	0.25
			Cake	02/02/2021	13	0.16	0.25
				02/09/2021	9.2	0.16	0.25
				03/02/2021	12	0.16	0.25
				03/09/2021	12	0.16	0.24
				04/06/2021		0.16	0.25
				04/13/2021		0.16	0.24
				05/04/2021		0.16	0.25
				05/11/2021		0.16	0.25
				06/01/2021		0.16	0.25
						0.16	0.23
				06/08/2021			
				07/13/2021		0.16	0.25
				07/20/2021		0.16	0.25
				08/03/2021		0.16	0.25
				08/10/2021		0.16	0.25
				09/07/2021		0.16	0.25
				09/14/2021		0.16	0.25
				10/05/2021	13	0.16	0.25
				10/12/2021	12	0.16	0.25
				11/02/2021		0.16	0.25
				11/09/2021		0.15	0.24
				12/07/2021		0.16	0.25
				12/14/2021		0.16	0.25
				Annual Mean	13	0.10	0.20
Oak -14	ED4	ma er/lel	Dlant 4	Annual Max	18	0.000	1 1
Cobalt	EPA	mg/kg dry	Plant 1	01/12/2021		0.088	1.1
	6010C	weight	Dewatering	04/06/2021		0.090	1.1
			Cake	07/20/2021		0.089	1.1
				Annual Mean	2.6		
				Annual Max	3.2		
	EPA	mg/kg dry	Plant 2	01/12/2021	1.9	0.076	0.90
	6010C	weight	Dewatering	04/06/2021		0.074	0.88
		_	Cake	07/20/2021		0.074	0.88
				Annual Mean	2.5		2.30
				Annual Max	2.9		
Cobalt w	et EPA	mg/kg	Plant 1	01/12/2021		0.021	0.25
		mg/kg					
weight	6010C		Dewatering	04/06/2021		0.021	0.25
			Cake	07/20/2021		0.021	0.25
				Annual Mean	0.62 0.76		
				Annual Max			

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL	
		EPA	mg/kg	Plant 2	01/12/2021	0.54	0.021	0.25	
		6010C		Dewatering	04/06/2021		0.021	0.25	
				Cake	07/20/2021	0.77	0.021	0.25	
					Annual Mean	0.71			
					Annual Max	0.83			
	Copper	EPA	mg/kg	Plant 1	02/02/2021		2.4	5.2	
	озрро.	6010C	9/9	Dewatering	Annual Mean	520			
				Cake	Annual Max	520			
			mg/kg dry	Plant 1	01/12/2021		0.46	1 1	
			weight	Dewatering	01/19/2021				
			Wolgin	Cake	02/09/2021				
				Carto	03/02/2021				
					03/09/2021				
					04/06/2021				
					04/13/2021				
					05/04/2021				
					05/11/2021				
					06/01/2021		0.51		
					06/08/2021		0.56		
					07/13/2021		0.46		
					07/20/2021		0.46	1.1	
					08/03/2021		0.49	1.0	
					08/10/2021	570	0.45	1.0	
					09/07/2021	550	0.43	0.98	
					09/14/2021	540	0.43	0.97	
					10/05/2021				
					10/12/2021				
					11/02/2021		0.46     1.0       0.46     1.1       0.49     1.0       0.45     1.0       0.43     0.98		
					11/09/2021				
					12/07/2021				
					12/14/2021				
					Annual Mean	520	0.44	1.0	
		ED2 (1)							
			41	DI 10	Annual Max	570	0.44	0.00	
		EPA	mg/kg	Plant 2	02/02/2021		0.44	0.92	
		6010C		Dewatering Annual Mean 410					
				Cake Annual Max 410					
			mg/kg dry		01/12/2021				
			weight		01/19/2021	440	0.41	0.92	
				Cake	02/09/2021	470	0.47	0.98	
					03/02/2021	410	0.38	0.86	
					03/09/2021	420	0.39	0.85	
					04/06/2021	420	0.42	0.88	
					04/13/2021		0.38	0.84	
					05/04/2021	440	0.44	1.0	
					05/11/2021		0.40		
					06/01/2021		0.37	0.85	
					06/08/2021				
					07/13/2021				
					07/20/2021				
					08/03/2021			0.021	
					08/10/2021				
					09/07/2021				
					09/14/2021				
					10/05/2021				
					10/12/2021				
					11/02/2021		0.43		
					11/09/2021		0.38		
					12/07/2021	350	0.39	0.89	
					12/14/2021	370	0.41	0.92	
					Annual Mean	410			

itegory	Parameter	iviethod	Units	Sample Location	Sample Date	Result	MDL	RL
	Copper wet	EPA	Mote	0.25				
	weight	6010C		Dewatering	01/19/2021	120	0.11	0.24
				Cake	02/02/2021	120	0.56	1.2
					02/09/2021	120		0.25
								0.24
								0.24
								0.25
								0.25
								0.25
								0.25
								0.25
								0.25
								0.25
								0.25
					08/03/2021	130	0.12	0.25
					08/10/2021	140		0.25
					09/07/2021	140	0.11	0.25
					09/14/2021	140	0.11	0.25
								0.25
								0.25
								0.25
								0.23
								0.25
								0.25
							0.11	0.25
		EPA	mg/kg					0.25
		6010C						0.25
				Cake				0.25
					02/09/2021	120		0.25
					03/02/2021	120	0.11	0.25
					03/09/2021	120	0.11	0.24
					04/06/2021	120	0.12	0.25
								0.24
								0.25
								0.25
								0.25
								0.24
								0.25
								0.25
								0.25
								0.25
								0.25
							0.11	0.25
					10/05/2021	110	0.11	0.25
					10/12/2021	110	0.12	0.25
								0.25
								0.24
								0.25
								0.25
							J. 1 1	0.20
	Iron	ED^	ma/ka des	Diant 1			5.0	90
	Iron	EPA						80
		6010C	weight	Dewatering	01/19/2021		5.3	84
				Cake	02/02/2021		5.2	86
					02/09/2021		5.5	90
					03/02/2021	60000	5.2	82
					03/09/2021	64000	5.2	86
					04/06/2021	60000	5.2	90
					04/13/2021		5.0	80
							5.5	90
					05/04/2021		0.0	

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	63000	5.1	80
					06/08/2021		5.6	93
					07/20/2021		5.1	84
					Annual Mean	64000	J. 1	
					Annual Max	74000		
			//	DI 10				70
		EPA	mg/kg	Plant 2	02/02/2021		4.4	70
		6010C		Dewatering	Annual Mean	66000		
				Cake	Annual Max	66000		
			mg/kg dry	Plant 2	01/12/2021	79000	4.3	70
			weight	Dewatering	01/19/2021	77000	4.4	70
				Cake	02/09/2021		4.7	80
					03/02/2021		4.1	70
					03/09/2021		4.2	70
							4.2	70
					04/06/2021			
					04/13/2021		4.2	66
					05/04/2021		4.8	80
					05/11/2021		4.3	70
					06/01/2021	70000	4.1	70
					06/08/2021		5.6	89
					07/20/2021		4.2	71
					Annual Mean	76000		
	luon	ED4	ma m /l	Dlast 4	Annual Max	99000	10	20
	Iron wet	EPA	mg/kg	Plant 1	01/12/2021		1.2	20
	weight	6010C		Dewatering	01/19/2021		1.2	19
				Cake	02/02/2021		1.2	20
					02/09/2021	12000	1.2	20
					03/02/2021	14000	1.2	19
					03/09/2021	15000	1.2	20
					04/06/2021		1.2	20
					04/13/2021		1.2	20
					05/04/2021		1.2	20
					05/11/2021		1.2	20
					06/01/2021		1.2	20
					06/08/2021		1.2	20
					07/20/2021		1.2	20
					Annual Mean	15000		
					Annual Max	16000		
		EPA	mg/kg	Plant 2	01/12/2021	22000	1.2	20
		6010C	33	Dewatering	01/19/2021		1.2	20
				Cake	02/02/2021		1.2	20
				Jane				20
					02/09/2021		1.2	
					03/02/2021		1.2	20
					03/09/2021		1.2	20
					04/06/2021		1.2	20
					04/13/2021	21000	1.2	19
					05/04/2021	20000	1.2	20
					05/11/2021		1.2	20
					06/01/2021		1.2	20
					06/08/2021		1.2	19
					07/20/2021		1.2	20
							1.4	20
					Annual Mean	20000		
					Annual Max	23000		
	Lead	EPA	mg/kg dry	Plant 1	01/12/2021		0.59	2.1
		6010C	weight	Dewatering	01/19/2021	4.3	0.62	2.2
				Cake	02/02/2021	3.1	0.60	2.1
					02/09/2021		0.65	2.3
					03/02/2021		0.60	2.1
					03/09/2021		0.60	2.1
					04/06/2021		0.60	2.1
					04/13/2021		0.58	2.0
					05/04/2021		0.65	2.3
				1	05/11/2021	0.0	0.60	2.2

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	4.2	0.59	2.1
					06/08/2021		0.65	2.3
					07/13/2021		0.58	2.0
								2.1
					07/20/2021		0.59	
					08/03/2021		0.57	2.0
					08/10/2021		0.57	2.0
					09/07/2021	8.7	0.55	2.0
					09/14/2021	2.9	0.54	1.9
					10/05/2021	7.8	0.54	1.9
					10/12/2021		0.56	2.0
					11/02/2021		0.53	1.9
								1.8
					11/09/2021		0.50	
					12/07/2021		0.54	1.9
					12/14/2021	5.2	0.56	2.0
					Annual Mean	6.0		
					Annual Max	12		
		EPA	mg/kg	Plant 2	02/02/2021		0.52	1.8
		6010C	e	Dewatering	Annual Mean	3.4	5.52	10
		00100						
				Cake	Annual Max	3.4		
			mg/kg dry	Plant 2	01/12/2021		0.50	1.8
			weight	Dewatering	01/19/2021	4.4	0.52	1.8
				Cake	02/09/2021	2.0	0.55	2.0
					03/02/2021		0.48	1.7
					03/09/2021		0.49	1.7
								1.8
					04/06/2021		0.49	
					04/13/2021		0.49	1.7
					05/04/2021	4.4	0.56	2.0
					05/11/2021	8.0	0.51	1.8
					06/01/2021	3.7	0.48	1.7
					06/08/2021		0.66	2.3
					07/13/2021		0.56	2.0
					07/20/2021		0.49	1.7
					08/03/2021		0.51	1.8
					08/10/2021	5.8	0.51	1.8
					09/07/2021	9.0	0.55	1.9
					09/14/2021	3.7	0.52	1.9
					10/05/2021		0.50	1.8
					10/12/2021		0.48	1.7
					11/02/2021		0.50	1.8
					11/09/2021		0.48	1.6
					12/07/2021		0.50	1.8
					12/14/2021	3.5	0.52	1.8
					Annual Mean	5.2		
					Annual Max	9.0		
	Lead wet	EPA	mg/kg	Plant 1	01/12/2021		0.14	0.49
		6010C	ilig/Ng					
	weight	00100		Dewatering	01/19/2021		0.14	0.49
				Cake	02/02/2021		0.14	0.49
					02/09/2021		0.14	0.49
					03/02/2021	1.3	0.14	0.49
					03/09/2021	1.2	0.14	0.49
					04/06/2021		0.14	0.49
					04/13/2021		0.14	0.49
					05/04/2021		0.14	0.49
					05/11/2021		0.14	0.50
					06/01/2021	1.0	0.14	0.50
					06/08/2021	1.4	0.14	0.50
					07/13/2021		0.14	0.49
					07/20/2021		0.14	0.50
					08/03/2021		0.14	0.50
					08/10/2021		0.14	0.49
	1				09/07/2021	2.2	0.14	0.50
					09/01/2021	2.2	0.14	0.00

Category	Parameter	Method	Units	Sample	Sample Date	Result	MDL	
				Location				RL
					10/05/2021		0.14	0.50
					10/12/2021		0.14	0.49
					11/02/2021	2.0	0.14	0.50
					11/09/2021	1.7	0.13	0.47
					12/07/2021	1.3	0.14	0.50
					12/14/2021	1.3	0.14	0.49
					Annual Mean	1.5		
					Annual Max	3.0		
		EPA	mg/kg	Plant 2	01/12/2021		0.14	0.49
		6010C	9/9	Dewatering	01/19/2021		0.14	0.49
		00100		Cake	02/02/2021		0.14	0.50
				Carto	02/09/2021		0.14	0.50
					03/02/2021		0.14	0.49
					03/09/2021		0.14	0.49
					04/06/2021		0.14	0.50
					04/13/2021		0.14	0.49
					05/04/2021		0.14	0.49
					05/11/2021		0.14	0.49
					06/01/2021	1.1	0.14	0.50
					06/08/2021	1.6	0.14	0.49
					07/13/2021	1.4	0.14	0.49
					07/20/2021		0.14	0.49
					08/03/2021		0.14	0.50
					08/10/2021		0.14	0.50
					09/07/2021		0.14	0.49
					09/14/2021		0.14	0.50
					10/05/2021		0.14	0.49
					10/12/2021		0.14	0.49
					11/02/2021		0.14	0.50
					11/09/2021		0.14	0.48
					12/07/2021		0.14	0.49
					12/14/2021		0.14	0.49
					Annual Mean	1.4		
					Annual Max	2.3		
	Magnesium	EPA	mg/kg dry	Plant 1	01/12/2021	5500	9.2	41
		6010C	weight	Dewatering	01/19/2021	5800	9.3	43
				Cake	02/02/2021	7300	9.5	42
					02/09/2021	5100	10	45
					03/02/2021		9.1	42
					03/09/2021		9.4	42
					04/06/2021		9.4	42
					04/13/2021		9.1	41
					05/04/2021		10	46
					05/11/2021		9.5	43
								40
					06/01/2021		9.3	
					06/08/2021		10	50
					Annual Mean	5800		
			r.		Annual Max	7300		
		EPA	mg/kg dry	Plant 2	01/12/2021		7.9	36
		6010C	weight	Dewatering	01/19/2021		8.1	36
				Cake	02/02/2021	6600	8.1	40
					02/09/2021	5100	8.6	40
					03/02/2021		7.6	34
					03/09/2021		7.7	35
					04/06/2021		7.8	40
								34
					04/13/2021	6300	17.3	.54
					04/13/2021		7.3	
					05/04/2021	6400	8.8	40
					05/04/2021 05/11/2021	6400 6500	8.8 8.0	40 36
					05/04/2021 05/11/2021 06/01/2021	6400 6500 5400	8.8 8.0 7.5	40 36 34
					05/04/2021 05/11/2021 06/01/2021 06/08/2021	6400 6500 5400 8000	8.8 8.0	40 36
					05/04/2021 05/11/2021 06/01/2021	6400 6500 5400	8.8 8.0 7.5	40 36 34

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Magnesium	EPA	mg/kg	Plant 1	01/12/2021	1300	2.2	9.8
	wet weight	6010C		Dewatering	01/19/2021	1300	2.1	9.7
				Cake	02/02/2021		2.2	9.8
					02/09/2021		2.2	9.8
					03/02/2021		2.1	9.7
					03/09/2021		2.2	9.8
					04/06/2021		2.2	9.8
					04/13/2021		2.2	9.8
					05/04/2021		2.2	9.9
					05/11/2021		2.2	9.9
					06/01/2021		2.2	10
					06/08/2021		2.2	10
					Annual Mean	1300	2.2	10
					Annual Max			
		ED4		Diamt 0		1700	2.2	0.0
		EPA	mg/kg	Plant 2	01/12/2021		2.2	
		6010C		Dewatering	01/19/2021		2.2	
				Cake	02/02/2021		2.2	
					02/09/2021		2.2	
					03/02/2021		2.2	
					03/09/2021		2.2	
					04/06/2021		2.2	
					04/13/2021		2.1	
					05/04/2021		2.2	
					05/11/2021		2.2	9.9
					06/01/2021		2.2	9.9
					06/08/2021	1700	2.1	9.7
					Annual Mean	1700		9.9 9.8 10 10 9.9 9.8 10 9.7 9.9 9.9 9.7 0.086 0.088 0.092 0.086 0.086 0.083 0.092 0.086
					Annual Max	1800		
	Mercury	EPA	mg/kg	Plant 1	02/02/2021	0.78	0.052	0.086
	74	7471A	_	Dewatering	Annual Mean	0.78	2.2 9.9 2.1 9. 0.052 0.0 0.050 0.0 0.053 0.0	
				Cake	Annual Max	0.78		
			mg/kg dry	Plant 1	01/12/2021			0.084
			weight	Dewatering	01/19/2021			
				Cake	02/09/2021			
					03/02/2021		0.052 0.050 0.053 0.055 0.052 0.052	
					03/09/2021	1 1700 2.1 1700 2.1 1800 0 1 0.78 0.052 0.78 0.78 0.050 1 0.63 0.050 1 0.75 0.053 1 0.74 0.055 1 0.65 0.052 1 0.56 0.052 1 0.60 0.042		
					04/06/2021			
					04/13/2021		0.042	
					05/04/2021		0.040	
					05/11/2021		0.030	
					06/01/2021		0.042	0.084
							0.040	0.084
					06/08/2021			
					07/13/2021		0.041	0.083
					07/20/2021		0.040	0.084
					08/03/2021		0.040	0.082
					08/10/2021		0.040	0.081
					09/07/2021		0.040	0.079
					09/14/2021		0.040	0.078
					10/05/2021		0.038	0.078
					10/12/2021		0.040	0.080
					11/02/2021		0.040	0.076
					11/09/2021		0.040	0.077
					12/07/2021		0.038	0.077
					12/14/2021	0.76	0.36	0.36
					Annual Mean	0.64		
					Annual Max	1.0		
		EPA	mg/kg	Plant 2	02/02/2021		0.044	0.074
		7471A	J g	Dewatering	Annual Mean	0.48		
				Cake	Annual Max	0.48		1
			ma/ka dry	Plant 2	01/12/2021		0.043	0.072
		mg/kg dry						
			weight	Dewatering	01/19/2021		0.044	0.074

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					03/02/2021	0.55	0.041	0.069
					03/09/2021		0.042	0.070
					04/06/2021		0.040	0.071
					04/13/2021		0.030	0.070
					05/04/2021		0.040	0.080
					05/11/2021		0.036	0.072
					06/01/2021		0.033	0.068
					06/08/2021		0.050	0.094
					07/13/2021	0.48	0.039	0.080
					07/20/2021	0.42	0.035	0.071
					08/03/2021	0.44	0.040	0.073
					08/10/2021	0.58	0.040	0.072
					09/07/2021	0.55	0.040	0.078
					09/14/2021		0.037	0.075
					10/05/2021		0.040	0.072
					10/12/2021		0.034	0.069
					11/02/2021			
							0.040	0.072
					11/09/2021		0.030	0.068
					12/07/2021		0.035	0.071
					Annual Mean	0.52		
					Annual Max	1.2		
	Mercury wet	EPA	mg/kg	Plant 1	01/12/2021	0.15	0.012	0.020
	weight	7471A		Dewatering	01/19/2021	0.17	0.012	0.020
				Cake	02/02/2021	0.18	0.012	0.020
					02/09/2021		0.012	0.020
					03/02/2021	0.15	0.012	0.020
					03/09/2021		0.012	0.020
					04/06/2021		0.0098	0.020
					04/13/2021		0.0090	0.020
					05/04/2021		0.010	0.020
					05/11/2021		0.0098	0.020
					06/01/2021		0.010	0.020
					06/08/2021		0.0098	0.020
					07/13/2021		0.0098	0.020
					07/20/2021	0.11	0.010	0.020
					08/03/2021	0.18	0.010	0.020
					08/10/2021	0.14	0.010	0.020
					09/07/2021	0.16	0.010	0.020
					09/14/2021		0.010	0.020
					10/05/2021		0.0098	0.020
					10/12/2021		0.0090	0.020
					11/02/2021		0.010	0.020
					11/09/2021		0.010	0.020
					12/07/2021		0.0098	0.020
					12/14/2021		0.091	0.091
					Annual Mean	0.15		
					Annual Max	0.25		
		EPA	mg/kg	Plant 2	01/12/2021	0.15	0.012	0.020
		7471A		Dewatering	01/19/2021	0.11	0.012	0.020
				Cake	02/02/2021		0.012	0.020
					02/09/2021		0.012	0.020
					03/02/2021		0.012	0.020
					03/09/2021		0.012	0.020
					04/06/2021		0.010	0.020
					04/13/2021		0.010	0.020
					05/04/2021		0.010	0.020
					05/11/2021		0.0098	0.020
					06/01/2021	0.12	0.0098	0.020
					06/08/2021	0.13	0.010	0.020
					07/13/2021		0.0098	0.020
					01/10/2021			
					07/20/2021		0.0098	0.020

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	08/10/2021	0.16	0.010	0.020
					09/07/2021		0.010	0.020
					09/14/2021		0.0098	0.020
					10/05/2021		0.0030	0.020
								0.020
					10/12/2021		0.0098	
					11/02/2021		0.010	0.020
					11/09/2021		0.010	0.020
					12/07/2021		0.0098	0.020
					Annual Mean	0.14		
					Annual Max	0.34		
	Molybdenum	EPA	mg/kg dry	Plant 1	01/12/2021	16	0.21	2.1
		6010C	weight	Dewatering	01/19/2021	18	0.22	2.2
				Cake	02/02/2021	18	0.21	2.1
					02/09/2021		0.23	2.3
					03/02/2021		0.21	2.1
					03/09/2021		0.21	2.1
					04/06/2021		0.21	2.1
					04/13/2021		0.21	2.0
								2.0
					05/04/2021		0.23	
					05/11/2021		0.20	2.2
					06/01/2021		0.20	2.1
					06/08/2021		0.23	2.3
					07/13/2021		0.20	2.0
					07/20/2021		0.21	2.1
					08/03/2021	19	0.20	2.0
					08/10/2021		0.20	2.0
					09/07/2021		0.20	2.0
					09/14/2021		0.19	1.9
					10/05/2021		0.19	1.9
					10/12/2021		0.10	2.0
					11/02/2021		0.20	1.9
					11/09/2021		0.18	1.8
					12/07/2021		0.19	1.9
					12/14/2021		0.20	2.0
					Annual Mean	17		
				Plant 2 Dewatering Cake	Annual Max	21		
		EPA 6010C	mg/kg dry		01/12/2021	18	0.18	1.8
			weight		01/19/2021	20	0.18	1.8
					02/02/2021		0.20	1.8
					02/09/2021		0.20	2.0
					03/02/2021		0.17	1.7
					03/09/2021		0.17	1.7
					04/06/2021		0.17	1.8
					04/13/2021		0.20	1.7
					05/04/2021		0.20	2.0
					05/11/2021		0.18	1.8
					06/01/2021		0.20	1.7
					06/08/2021		0.23	2.3
					07/13/2021		0.20	2.0
					07/20/2021	17	0.17	1.7
					08/03/2021	18	0.18	1.8
					08/10/2021		0.18	1.8
					09/07/2021		0.19	1.9
					09/14/2021		0.19	1.9
					10/05/2021		0.13	1.8
								1.7
					10/12/2021		0.17	
					11/02/2021		0.18	1.8
					11/09/2021		0.16	1.6
					12/07/2021		0.18	1.8
					12/14/2021	15	0.18	1.8
	T. Control of the Con				Annual Mean	19		
					Annual Mean	19		

tegory	Parameter	iviethod	Units	Sample Location	Sample Date	Result	MDL	R
	Molybdenum	EPA	mg/kg	Plant 1	01/12/2021	3.7	0.049	0.49
	wet weight	6010C		Dewatering	01/19/2021	4.0	0.049	0.49
	E			Cake	02/02/2021	4.2	0.049	0.49
				02/09/2021		0.049	0.49	
					03/02/2021		0.049	0.49
					03/09/2021		0.049	0.49
					04/06/2021	-	0.049	0.49
						-		
					04/13/2021		0.049	0.49
					05/04/2021		0.049	0.49
					05/11/2021	4.2	0.050	0.50
					06/01/2021	4.3	0.050	0.50
					06/08/2021	3.9	0.050	0.50
					07/13/2021	4.1	0.049	0.49
					07/20/2021	-	0.050	0.50
					08/03/2021	-	0.050	0.50
					08/10/2021		0.049	0.49
					09/07/2021		0.050	0.50
					09/14/2021	-	0.050	0.50
					10/05/2021	4.5	0.050	0.50
					10/12/2021	4.1	0.049	0.49
					11/02/2021	3.8	0.050	0.50
					11/09/2021		0.047	0.47
					12/07/2021		0.050	0.50
					12/14/2021		0.049	0.49
							0.049	0.49
					Annual Mean	4.1		
					Annual Max	5.1		
		EPA	mg/kg	Plant 2	01/12/2021	4.9	0.049	0.49
		6010C		Dewatering	01/19/2021	5.3	0.049	0.49
			Cake	Cake	02/02/2021	4.5	0.050	0.50
				02/09/2021	4.4	0.050	0.50	
					03/02/2021		0.049	0.49
					03/09/2021		0.049	0.49
						-		0.49
					04/06/2021		0.050	
					04/13/2021		0.049	0.49
					05/04/2021	-	0.049	0.49
					05/11/2021	6.1	0.049	0.49
					06/01/2021	5.7	0.050	0.50
					06/08/2021	5.5	0.049	0.49
					07/13/2021	-	0.049	0.49
					07/20/2021	-	0.049	0.49
							0.050	0.50
					08/03/2021			
					08/10/2021		0.049	0.50
					09/07/2021	-	0.049	0.49
					09/14/2021		0.050	0.50
					10/05/2021	4.8	0.049	0.49
					10/12/2021		0.050	0.50
					11/02/2021		0.050	0.50
					11/09/2021		0.048	0.48
					12/07/2021	-	0.048	0.49
					12/14/2021	-	0.049	0.49
					Annual Mean	5.1		
					Annual Max	6.1		
	Nickel	EPA	mg/kg dry	Plant 1	01/12/2021	37	0.59	2.1
		6010C	weight	Dewatering	01/19/2021		0.62	2.2
				Cake	02/02/2021	-	0.60	2.1
					02/09/2021	-	0.65	2.3
					03/02/2021	-	0.60	2.1
	1				03/09/2021		0.60	2.1
					0.4/0.0/0.004	38	0.60	2.1
					04/06/2021	30	0.00	۷.۱
					04/06/2021	-	0.58	2.0
						54		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	33	0.59	2.1
					06/08/2021		0.65	2.3
					07/13/2021		0.58	2.0
					07/20/2021		0.59	2.1
					08/03/2021		0.57	2.0
					08/10/2021		0.57	2.0
					09/07/2021		0.55	2.0
					09/14/2021	30	0.54	1.9
					10/05/2021	30	0.54	1.9
					10/12/2021	28	0.56	2.0
					11/02/2021	31	0.53	1.9
					11/09/2021		0.54	1.9
					12/07/2021		0.54	1.9
					12/14/2021		0.56	2.0
					Annual Mean	33		
					Annual Max	54		
		EPA	mg/kg dry	Plant 2	01/12/2021	28	0.50	1.8
		6010C	weight	Dewatering	01/19/2021	27	0.52	1.8
			_	Cake	02/02/2021		0.52	1.8
					02/09/2021		0.55	2.0
					03/02/2021		0.33	1.7
					03/09/2021		0.49	1.7
					04/06/2021		0.49	1.8
					04/13/2021		0.49	1.7
					05/04/2021		0.56	2.0
					05/11/2021	30	0.51	1.8
					06/01/2021	24	0.48	1.7
					06/08/2021	34	0.66	2.3
					07/13/2021		0.56	2.0
					07/20/2021		0.49	1.7
					08/03/2021		0.51	1.8
					08/10/2021		0.51	1.8
					09/07/2021		0.55	1.9
					09/14/2021	26	0.52	1.9
					10/05/2021	26	0.50	1.8
					10/12/2021	24	0.48	1.7
					11/02/2021	27	0.50	1.8
					11/09/2021		0.45	1.6
					12/07/2021		0.50	1.8
					12/14/2021		0.52	1.8
							0.32	1.0
					Annual Mean	27		
					Annual Max	34		
	Nickel wet	EPA	mg/kg	Plant 1	01/12/2021		0.14	0.49
	weight	6010C		Dewatering	01/19/2021	8.2	0.14	0.49
				Cake	02/02/2021	6.8	0.14	0.49
					02/09/2021		0.14	0.49
					03/02/2021		0.14	0.49
					03/09/2021		0.14	0.49
					04/06/2021		0.14	0.49
					04/13/2021		0.14	0.49
					05/04/2021		0.14	0.49
					05/11/2021		0.14	0.50
					06/01/2021	7.9	0.14	0.50
					06/08/2021	7.8	0.14	0.50
					07/13/2021		0.14	0.49
					07/20/2021		0.14	0.50
							0.14	0.50
					08/03/2021			
					08/10/2021		0.14	0.49
					09/07/2021		0.14	0.50
					09/14/2021	7.7	0.14	0.50
					10/05/2021	7.7	0.14	0.50

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL		
					11/02/2021	8.1	0.14	0.50		
					11/09/2021		0.14			
					12/07/2021		0.14			
					12/14/2021		0.14			
							0.14	0.49		
					Annual Mean	7.9				
					Annual Max	13				
		EPA	mg/kg	Plant 2	01/12/2021		0.14			
		6010C		Dewatering	01/19/2021	7.4	0.14	0.49		
				Cake	02/02/2021	7.8	0.14	0.50		
					02/09/2021	5.9	0.14	0.50		
					03/02/2021					
					03/09/2021					
					04/06/2021					
					04/13/2021		0.14			
					05/04/2021	7.7	0.14	0.49		
					05/11/2021	8.4	0.14	0.49		
					06/01/2021		0.14	0.50		
					06/08/2021		0.14			
					07/13/2021					
					07/20/2021					
					08/03/2021		0.14			
					08/10/2021		0.14			
					09/07/2021	7.3	0.14	0.49		
					09/14/2021	6.9	0.14	0.50		
					10/05/2021		0.14			
					10/12/2021		0.14			
					11/02/2021					
					11/09/2021					
				12/07/2021		0.14				
					12/14/2021	6.9	0.14	0.49		
					Annual Mean	7.4				
					Annual Max	9.0				
	Selenium	EPA	mg/kg dry	Plant 1	01/12/2021		1.0	2 1		
	Colornam	6010C	weight	Dewatering	01/19/2021			0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.10 0.50 0.49 0.10 0.50 0.10 0.10 0.10 0.10 0.10 0.10		
		00100	Weight	Cake						
				Care	02/02/2021					
					02/09/2021		1.1			
					03/02/2021	7.8	1.0			
					03/09/2021	6.0	1.0	2.1		
					04/06/2021	5.6	1.0	2.1		
					04/13/2021	19	1.0	2.0		
					05/04/2021		1.1			
					05/11/2021		1.1			
					06/01/2021		1.1			
					06/08/2021		1.2	0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.50         0.14       0.50         0.14       0.50         0.14       0.50         0.14       0.50         0.14       0.50         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.14       0.49         0.15       0.21         0.16       0.21         0.17       0.22         0.18       0.21         0.0       0.21         0.0       0.21         0.0       0.20         0.1       0.20         0.1       0.20         0.97       0.0         0.98       0.0         0.99       0.0         0.99       0.0         0.99 <t< td=""></t<>		
					07/13/2021		1.0	2.0		
					07/20/2021	8.4	1.1	2.1		
					08/03/2021	8.2	1.0	2.0		
					08/10/2021		0.97			
					09/07/2021		0.98			
					09/14/2021					
					10/05/2021					
					10/12/2021		0.96			
					11/02/2021	8.0	0.95	0.50 0.50 0.49 0.49 0.49 0.50 0.50 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0		
					11/09/2021	7.3	0.88	0.50 0.49 0.49 0.49 0.50 0.50 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.49 0.49 0.50 0.49 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0.49 0.50 0		
				12/07/2021		0.97	0.49 0.49 0.49 0.50 0.50 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.4			
					12/14/2021		0.96	0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.50 0.49 0.49 0.50 0.50 0.49 0.50 0.50 0.49 0.50 0.49 0.50 0.20 2.1 2.2 2.1 2.3 2.1 2.1 2.1 2.0 2.3 2.2 2.1 2.3 2.0 2.1 2.0 2.0 1.9 1.9 2.0 1.8 1.9 2.0 1.8 1.8		
					Annual Mean	8.3	0.30	2.0		
					Annual Max	19				
		EPA	mg/kg dry	Plant 2	01/12/2021		0.86			
	T. Control of the Con	6010C	weight	Dewatering	01/19/2021	7.4	0.89	1.8		
		00.00								
		00100	3	Cake	02/02/2021		0.92	1.8		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	03/02/2021	6.5	0.82	1.7
					03/09/2021		0.85	1.7
					04/06/2021		0.88	1.8
					04/13/2021		0.84	1.7
					05/04/2021		0.96	
					05/11/2021		0.87	1.8
					06/01/2021	8.2	0.85	1.7
					06/08/2021	9.9	1.1	2.3
					07/13/2021	11	0.96	2.0
					07/20/2021		0.85	
					08/03/2021		0.91	
					08/10/2021		0.87	
					09/07/2021		0.94	
					09/14/2021		0.93	
					10/05/2021	10	0.86	1.8
					10/12/2021	8.3	0.87	1.7
					11/02/2021		0.90	1.8
					11/09/2021		0.82	
					12/07/2021		0.86	
					12/14/2021		0.89	
							0.09	1.0
					Annual Mean	8.9		
					Annual Max	14		
	Selenium	EPA	mg/kg	Plant 1	01/12/2021		0.24	
	wet weight	6010C		Dewatering	01/19/2021	1.4	0.24	0.49
				Cake	02/02/2021	2.6	0.24	0.49
					02/09/2021		0.24	0.49
					03/02/2021		0.24	
					03/09/2021		0.24	2.0 1.8 1.7 2.3 2.0 1.7 1.8 1.8 1.9 1.9 1.8 1.7 1.8 1.6 1.8 1.6 1.8 1.8 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49
					04/06/2021		0.24	
					04/13/2021		0.24	0.49 0.49 0.49 0.49 0.49 0.49 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50
					05/04/2021		0.24	
					05/11/2021	1.8	0.25	0.50
					06/01/2021	2.0	0.25	0.50
					06/08/2021	1.8	0.25	0.50
					07/13/2021	2.2	0.24	0.49
					07/20/2021		0.25	
					08/03/2021		0.25	
					08/10/2021		0.24	
					09/07/2021		0.25	
					09/14/2021		0.25	
					10/05/2021		0.25	
					10/12/2021	2.1	0.24	0.49
					11/02/2021		0.25	
					11/09/2021		0.23	
					12/07/2021		0.25	
					12/14/2021		0.23	
							0.24	0.49
					Annual Mean	2.0		
					Annual Max	4.6		
		EPA	mg/kg	Plant 2	01/12/2021		0.24	
		6010C		Dewatering	01/19/2021	2.0	0.24	0.49
				Cake	02/02/2021	2.6	0.25	0.50
					02/09/2021		0.25	
					03/02/2021		0.24	
					03/09/2021		0.24	
					04/06/2021		0.25	
					04/13/2021		0.24	0.49
					05/04/2021		0.24	0.49
					05/11/2021	2.7	0.24	0.49
					06/01/2021	2.4	0.25	0.50
					06/08/2021		0.24	0.49
					07/13/2021		0.24	0.49
					07/20/2021		0.24	0.49

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	08/03/2021	2.2	0.25	
					08/10/2021		0.24	
					09/07/2021		0.24	
					09/14/2021	-	0.25	
					10/05/2021	2.9	0.24	
					10/12/2021	2.4	0.25	0.50
					11/02/2021	2.9	0.25	0.50
					11/09/2021	2.4	0.24	0.48
					12/07/2021		0.24	
					12/14/2021		0.24	
						2.4	0.24	0.43
					Annual Mean			
			, ,		Annual Max	4.1		
	Silver	EPA	mg/kg dry	Plant 1	01/12/2021		0.050	
		6010C	weight	Dewatering	01/19/2021	4.4	0.053	1.7
				Cake	02/02/2021	2.2	0.052	1.7
					02/09/2021	2.9	0.055	1.8
					03/02/2021	-	0.052	
					03/09/2021		0.052	
					04/06/2021	-	0.052	
					04/13/2021		0.050	
					05/04/2021		0.055	
					05/11/2021	-	0.052	
					06/01/2021	4.2	0.051	1.7
					06/08/2021	3.0	0.056	1.9
					07/13/2021		0.050	
					07/20/2021		0.051	
					08/03/2021		0.049	
					08/10/2021		0.049	
					09/07/2021	-	0.047	
					09/14/2021		0.047	
					10/05/2021	2.7	0.047	1.6
					10/12/2021	2.5	0.048	1.6
					11/02/2021	2.8	0.046	1.5
					11/09/2021		0.046	0.48 0.49 0.49 1.6 1.7 1.7 1.8 1.7 1.7 1.6 1.8 1.7 1.7 1.6 1.8 1.7 1.6 1.6 1.6 1.6 1.6 1.6
					12/07/2021		0.046	
					12/14/2021			
							0.048	1.0
					Annual Mean	3.0		
					Annual Max	4.9		
		EPA	mg/kg	Plant 2	02/02/2021	2.7	0.044	1.5
		6010C		Dewatering	Annual Mean	2.7		
				Cake	Annual Max	2.7		
			mg/kg dry	Plant 2	01/12/2021		0.043	1.4
			weight	Dewatering	01/19/2021		0.044	
				Cake	02/09/2021		0.044	
				Jake				
					03/02/2021		0.041	
					03/09/2021		0.042	
					04/06/2021		0.042	
					04/13/2021	2.7	0.042	
					05/04/2021	2.4	0.048	1.6
					05/11/2021		0.043	
					06/01/2021	-	0.041	
					06/08/2021		0.056	
						-		
					07/13/2021		0.048	
					07/20/2021		0.042	
					08/03/2021		0.044	
					08/10/2021	1.9	0.043	
					09/07/2021	2.2	0.047	1.6
					09/14/2021	-	0.045	
					10/05/2021		0.043	
					10/03/2021		0.043	
						-		
					11/02/2021	٦.۲ <u> </u>	0.043	1.4
					11/09/2021		0.041	1.3

tegory	Parameter	ivietnod	Units	Sample Location	Sample Date	Result	MDL	R
					12/07/2021	1.7	0.043	1.4
					12/14/2021	2.5	0.044	1.5
					Annual Mean	2.3		
					Annual Max	2.9		
	Silver wet	EPA	mg/kg	Plant 1	01/12/2021		0.012	0.39
	weight	6010C		Dewatering	01/19/2021		0.012	0.39
				Cake	02/02/2021	-	0.012	0.39
					02/09/2021	-	0.012	0.39
					03/02/2021		0.012	0.39
					03/09/2021		0.012	0.39
					04/06/2021		0.012	0.39
					04/13/2021		0.012	0.39
					05/04/2021		0.012	0.40
					05/11/2021	-	0.012	0.40
					06/01/2021	-	0.012	0.40
					06/08/2021		0.012	0.40
					07/13/2021			0.40
							0.012	
					07/20/2021		0.012	0.40
					08/03/2021		0.012	0.40
					08/10/2021	-	0.012	0.39
					09/07/2021		0.012	0.40
					09/14/2021		0.012	0.40
					10/05/2021		0.012	0.40
					10/12/2021		0.012	0.39
					11/02/2021	-	0.012	0.40
					11/09/2021		0.012	0.37
					12/07/2021		0.012	0.40
		12/14/2021 0.72 Annual Mean 0.73					0.012	0.39
					Annual Max	1.2		
			mg/kg	Plant 2	01/12/2021		0.012	0.39
		6010C		Dewatering	01/19/2021	0.77	0.012	0.39
				Cake	02/02/2021	0.74	0.012	0.40
					02/09/2021	0.57	0.012	0.40
					03/02/2021	0.66	0.012	0.40
					03/09/2021	0.73	0.012	0.39
					04/06/2021	0.73	0.012	0.40
					04/13/2021		0.012	0.39
					05/04/2021		0.012	0.40
					05/11/2021		0.012	0.39
					06/01/2021		0.012	0.40
					06/08/2021		0.012	0.39
					07/13/2021		0.012	0.40
					07/20/2021	-	0.012	0.40
					08/03/2021		0.012	0.40
					08/10/2021		0.012	0.40
					09/07/2021		0.012	0.40
					09/14/2021		0.012	0.40
					10/05/2021	-	0.012	0.40
					10/05/2021		0.012	0.40
						-		0.40
					11/02/2021		0.012	
					11/09/2021		0.012	0.38
					12/07/2021		0.012	0.40
					12/14/2021		0.012	0.40
					Annual Mean	0.62		
					Annual Max	0.79		
	Thallium	EPA	mg/kg dry	Plant 1	01/12/2021	-	0.50	1.1
		6010C	weight	Dewatering	04/06/2021		0.52	1.1
				Cake	07/20/2021	-	0.51	1.1
					Annual Mean	0.66 DNQ		

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL		
		EPA	mg/kg dry	Plant 2	01/12/2021	ND	0.43	0.90		
		6010C	weight	Dewatering	04/06/2021	1.2	0.42	0.88		
				Cake	07/20/2021		0.42	0.88		
					Annual Mean	0.78 DNQ				
					Annual Max	1.2				
	Thallium wet	EPA	mg/kg	Plant 1	01/12/2021		0.12	0.25		
	weight	6010C	9'''9	Dewatering	04/06/2021		0.12			
		30.00		Cake	07/20/2021		0.12			
				Ourco	Annual Mean	0.16 DNQ	0.12	0.23		
					Annual Max	0.10 DNQ 0.19 DNQ				
		EPA		Plant 2			0.40	0.05		
			mg/kg		01/12/2021		0.12			
		6010C		Dewatering	04/06/2021		0.12			
				Cake	07/20/2021		0.12	0.25		
					Annual Mean	0.22 DNQ				
					Annual Max	0.35				
	Vanadium	EPA	mg/kg dry	Plant 1	01/12/2021		0.11			
		6010C	weight	Dewatering	04/06/2021		0.12	1.1		
				Cake	07/20/2021		0.11	1.1		
					Annual Mean	37				
					Annual Max	42				
		EPA	mg/kg dry	Plant 2	01/12/2021		0.097	0.90		
		6010C	weight	Dewatering	04/06/2021		0.095			
				Cake	07/20/2021		0.095			
					Annual Mean	93	0.000	0.00		
					Annual Max	110				
	Vanadium	EPA	mg/kg	Plant 1	01/12/2021		0.027	0.25		
	wet weight	6010C	ilig/kg	Dewatering						
	•	Cake								
			Care			0.027	0.25			
			- · · ·							
		EPA	mg/kg	Plant 2						
		6010C		Dewatering						
				Cake			0.027	0.25		
					Annual Mean					
					Annual Max			0.25 0.25 0.25 0.25 0.25 0.25 1.1 1.1		
	Zinc	EPA	mg/kg dry	Plant 1	01/12/2021	800	3.5			
		6010C	weight	Dewatering	01/19/2021	840	3.7	22		
				Cake	02/02/2021	730	3.6	21		
					02/09/2021	690	3.9	23		
					03/02/2021	780	3.6	21		
							3.4			
							3.3			
					09/14/2021	810	3.3	19		
					10/05/2021	850	3.3	19		
							3.3	20		
						04/06/2021 10				
					12/14/2021		3.4			
					Annual Mean	800	J.4	20		
					Annual Max	860				

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	mg/kg	Plant 2	02/02/2021	700	3.2	18
		6010C		Dewatering	Annual Mean	700		
				Cake	Annual Max	700		
			mg/kg dry	Plant 2	01/12/2021		3.1	18 18 18 20 17 17 18 17 18 17 20 18 17 23 20 17 18 18 19 19 18 17 18 16 18 18 19 4.9 4.9 4.9 4.9 4.9 4.9 4.9 5.0 5.0 5.0 5.0 4.9 5.0 5.0 5.0 4.9 5.0 5.0 4.9 5.0 5.0 5.0 4.9 5.0 5.0 4.9 5.0 5.0 6.0 4.9
			weight	Dewatering	01/19/2021		3.1	
			l I I I I I	Cake	02/09/2021		3.4	
					03/02/2021		2.9	
					03/09/2021		3.0	
					04/06/2021		3.0	
					04/13/2021		2.9	
					05/04/2021		3.4	
					05/11/2021		3.0	
					06/01/2021		2.9	
					06/08/2021		3.9	
					07/13/2021		3.4	
					07/20/2021		3.0	
					08/03/2021		3.1	
					08/10/2021		3.1	
					09/07/2021	740	3.3	
					09/14/2021	750	3.2	
					10/05/2021	720	3.1	18
					10/12/2021	660	3.0	17
					11/02/2021		3.1	
					11/09/2021		2.8	
					12/07/2021		3.0	
					12/14/2021		3.1	
					Annual Mean	720		1.0
			mg/kg F		Annual Max	900		
	Zinc wet	EPA		Plant 1	01/12/2021		0.84	10
			ilig/kg	Dewatering	01/19/2021		0.83	
	weight 6010C	00100		Cake			0.83	
				Care	02/02/2021		0.84	
					02/09/2021		0.84	
					03/02/2021			
					03/09/2021		0.84	
					04/06/2021		0.84	18 20 17 17 18 17 20 18 17 23 20 17 18 18 19 19 18 19 19 18 17 18 16 18 19 4.9 4.9 4.9 4.9 4.9 4.9 5.0 5.0 5.0 5.0 4.9 5.0 5.0 4.9 4.9 4.9 4.9 4.9 5.0 5.0 5.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6
					04/13/2021		0.84	
					05/04/2021		0.85	
					05/11/2021		0.85	5.0
					06/01/2021		0.85	
					06/08/2021		0.85	
					07/13/2021		0.85	
					07/20/2021	190	0.85	
					08/03/2021	200	0.86	5.0
					08/10/2021	210	0.84	4.9
					09/07/2021		0.85	5.0
					09/14/2021		0.85	
					10/05/2021		0.85	
					10/12/2021		0.84	
					11/02/2021		0.86	
					11/09/2021		0.80	
					12/07/2021		0.85	
	EPA mg/kg			12/14/2021		0.84	4.9	
					Annual Mean	190		
				Di i i	Annual Max	220	0.65	1
		mg/kg	Plant 2	01/12/2021		0.85		
		6010C		Dewatering	01/19/2021		0.84	
				Cake	02/02/2021		0.86	
					02/09/2021	170	0.86	5.0
					03/02/2021		0.85	4.9
					03/09/2021	200	0.84	4.9
					04/06/2021		0.86	5.0

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					05/04/2021	190	0.85	4.9
					05/11/2021	220	0.84	4.9
					06/01/2021	190	0.85	5.0
					06/08/2021	200	0.83	4.9
					07/13/2021	200	0.85	4.9
					07/20/2021	190	0.85	4.9
					08/03/2021		0.86	
					08/10/2021	200	0.85	
					09/07/2021		0.85	
					09/14/2021		0.85	
					10/05/2021		0.85	
					10/12/2021		0.86	
					11/02/2021		0.86	
					11/09/2021		0.82	
					12/07/2021		0.85	
					12/14/2021		0.85	
					Annual Mean	200	0.00	4.3
					Annual Max	220		
olatile	1,1,1,2-	EPA	ua/ka day	Plant 1	01/12/2021		590	1500
organic	Tetrachloroe		μg/kg dry	Dewatering				
ompounds	thane	0200B		Cake	04/06/2021		730	
ompounds	ulane			Cake	07/20/2021		630	1000
					Annual Mean	<730		
			,, ,	DI 10	Annual Max	<730	100	8 4.9 4.9 5.0 4.9 4.9 4.9 5.0 5.0 4.9 5.0 4.9 5.0 4.9 5.0 4.9
		EPA	µg/kg dry	Plant 2	01/12/2021		430	
		8260B		Dewatering	04/06/2021		330	
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		5.0 4.9 4.9 5.0 5.0 5.0 4.9 5.0 4.9 5.0 5.0 4.8 4.9 4.9 1500 1800 1600 1100 810 990 360 420 370 310 230 280 590 730 630 430 330 390 140 170 150
	1,1,1,2-	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	Tetrachloroe	8260B		Dewatering	04/06/2021	ND	170	420
	thane wet			Cake	07/20/2021	ND	150	370
	weight				Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	ND	120	310
		8260B		Dewatering	04/06/2021	ND	93	230
				Cake	07/20/2021	ND	110	
					Annual Mean	<120		
					Annual Max	<120		
	1,1,1-	EPA	μg/kg dry	Plant 1	01/12/2021	-	300	590
	Trichloroeth	8260B	F9.19 4.7	Dewatering	04/06/2021		360	
	ane			Cake	07/20/2021		310	
					Annual Mean	<360	0.0	
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	µg/ng uiy	Dewatering	04/06/2021		160	
		0200D		Cake	07/20/2021		200	
				Jake			200	390
					Annual Mean	<220		
	111	ED4		Dlagt 4	Annual Max	<220	70	1.10
	1,1,1-	EPA	μg/kg	Plant 1	01/12/2021		72	
	Trichloroeth	8260B		Dewatering	04/06/2021		83	
	ane wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021	ND	62	
		8260B		Dewatering	04/06/2021	ND	46	93
				Cake	07/20/2021	ND	56	110
					Annual Mean	<62		
	1				Annual Max	<62		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,1,2,2-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	Tetrachloroe			Dewatering	04/06/2021		360	730
	thane			Cake	07/20/2021		310	630
					Annual Mean	<360		- 30
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	μg/kg di y	Dewatering	04/06/2021		160	330
		02000		Cake	07/20/2021		200	390
				Cake			200	390
					Annual Mean	<220		
			,		Annual Max	<220		
	1,1,2,2-	EPA	µg/kg	Plant 1	01/12/2021		72	140
	Tetrachloroe	8260B		Dewatering	04/06/2021		83	170
	thane wet			Cake	07/20/2021	ND	74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		-
	1,1,2-	EPA	μg/kg dry	Plant 1	01/12/2021		300	590
	Trichloroeth	8260B	µg/ng ury	Dewatering	04/06/2021		360	730
	ane	0200D		Cake				
	ane			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	µg/kg dry	Plant 2	01/12/2021		220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021	ND	200	
					Annual Mean	<220		
					Annual Max	<220		
	1,1,2-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	Trichloroeth	8260B		Dewatering Cake	04/06/2021	ND	83	170
	ane wet				07/20/2021	ND	74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	µg/kg	Dewatering	04/06/2021		46	93
		0200B						
				Cake	07/20/2021		56	110
					Annual Mean	<62		
				<u> </u>	Annual Max	<62		
	1,1-	EPA	µg/kg dry	Plant 1	01/12/2021		300	590
	Dichloroetha	8260B		Dewatering	04/06/2021		360	730
	ne			Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	. 5 5,	Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	1 1	ED^	ualka	Dloct 1			72	140
	1,1-	EPA	μg/kg	Plant 1	01/12/2021		72	140
	Dichloroetha	o200B		Dewatering	04/06/2021		83	170
	ne wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021	ND	46	93
		8260B Dew		Cake	07/20/2021		56	110
			Cuito					
				Carto	Annual Mean	<62		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,1-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	590	1500
	Dichloroethe		. 5 5 ,	Dewatering	04/06/2021	ND	730	1800
	ne			Cake	07/20/2021		630	1600
					Annual Mean	<730	-	
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021		430	1100
		8260B	F9/119 417	Dewatering	04/06/2021		330	810
		02002		Cake	07/20/2021		390	990
				Canto	Annual Mean	<430	000	000
					Annual Max	<430		
	1,1-	EPA	μg/kg	Plant 1	01/12/2021		140	360
	Dichloroethe		µg/kg	Dewatering	04/06/2021		170	420
	ne wet	02000		Cake	07/20/2021		150	370
	weight			Oake	Annual Mean	<170	130	370
	Weigitt							
		ED A	/1	DI 10	Annual Max	<170	100	0.40
		EPA	µg/kg	Plant 2	01/12/2021		120	310
		8260B		Dewatering	04/06/2021		93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		
	1,1-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	Dichloroprop	8260B		Dewatering	04/06/2021	ND	360	730
	ene			Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	J. 3 3 ,	Dewatering		4/06/2021 ND 220	330	
				Cake 07/20/2021 ND	200	390		
					Annual Mean	<220	200	000
		1 FDA 119/leg			Annual Max	<220		
	1,1-		Plant 1	01/12/2021	-	72	140	
	Dichloroprop	EPA µg/kg	Dewatering	04/06/2021		83	170	
	ene wet	0200D		Cake	07/20/2021		74	150
	weight			Care			14	150
	Worgi it				Annual Mean	<83		-
		ED4	/1:	Dlast 0	Annual Max	<83	60	100
		EPA	µg/kg	Plant 2	01/12/2021		62	120
		8260B		Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,2,3-	EPA	µg/kg dry	Plant 1	01/12/2021		590	1500
	Trichloroben	8260B		Dewatering	04/06/2021		730	1800
	zene			Cake	07/20/2021		630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B	_	Dewatering	04/06/2021	ND	330	810
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,2,3-	EPA	μg/kg	Plant 1	01/12/2021		140	360
	Trichloroben		פיי ישרו	Dewatering	04/06/2021		170	420
	zene wet			Cake	07/20/2021		150	370
	weight			Jane	Annual Mean	<170	130	570
	oigi it				Annual Max	<170		-
		ED4	ua/les	Diant 2			100	240
		EPA	µg/kg	Plant 2	01/12/2021		120	310
		8260B		Dewatering	04/06/2021		93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,2,3-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	590	3000
		8260B	. 5 5 ,	Dewatering	04/06/2021		730	3600
	pane			Cake	07/20/2021		630	3100
					Annual Mean	<730		1
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021		430	2200
		8260B	pg/ng ury	Dewatering	04/06/2021		330	1600
		32000		Cake	07/20/2021		390	2000
				Cake			390	2000
					Annual Mean	<430		
	100	ED 1	//		Annual Max	<430	4.40	700
	1,2,3-	EPA	μg/kg	Plant 1	01/12/2021		140	720
		8260B		Dewatering	04/06/2021		170	830
	pane wet			Cake	07/20/2021		150	740
	weight				Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	ND	120	620
		8260B	_	Dewatering	04/06/2021	ND	93	460
				Cake	07/20/2021	ND	110	560
					Annual Mean	<120	-	
					Annual Max	<120		
	1,2,4-	EPA	μg/kg dry	Plant 1	01/12/2021		590	1500
	Trichloroben		pg/ng uly	Dewatering	04/06/2021		730	1800
	zene	32000		Cake	07/20/2021		630	1600
	26116			Jake			030	1000
					Annual Mean	<730		
		ED 4	μg/kg dry Plant 2	DI 10	Annual Max	<730	460	4400
		EPA	µg/kg dry			12/2021 ND 430		1100
		8260B		Dewatering	04/06/2021		330	810
	1,2,4-		Cake	07/20/2021	ND	390	990	
			Ca		Annual Mean	<430		
				DI 11	Annual Max	<430		
		EPA μg/	μg/kg	Plant 1	01/12/2021	ND	140	360
	Trichloroben	, , ,	Dewatering	04/06/2021	ND	170	420	
	zene wet			Cake	07/20/2021		150	370
	weight				Annual Mean	<170		
				Plant 2 Dewatering	Annual Max	<170		
		EPA	μg/kg		01/12/2021		120	310
		8260B	49/N9		04/06/2021		93	230
		32000		Cake	04/06/2021			280
				Jane	0.7207202.		110	200
					Annual Mean	<120		
	101	ED 1	,, .	DI 11	Annual Max	<120	000	500
	1,2,4-	EPA	µg/kg dry	Plant 1	01/12/2021		300	590
	Trimethylben	8260B		Dewatering	04/06/2021		360	730
	zene			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2,4-	EPA	ua/ka	Plant 1			72	140
	Trimethylben		μg/kg		01/12/2021			
		020UB		Dewatering	04/06/2021		83	170
	zene wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
	EPA 8260B	8260B		Dewatering	04/06/2021	ND	46	93
						FC		
			Cal	Cake	07/20/2021	ND	56	110
				Cake	07/20/2021 Annual Mean	<62	56	110

1,2-Dibromo-   EPA   B260B   B260B   B260B   B260B   Cake   Devatering   Cake   O7720/2021 ND   730   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180   180	ory Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
Secondary   Cake   Ca	1,2-Dibromo	- EPA	μg/kg dry		01/12/2021	ND	590	1500
Cake			. 5 5 ,		04/06/2021	ND		1800
Repair				_				1600
Part								1.500
EPA 8260B								
Dewatering		EDΔ	ua/ka dry	Plant 2			430	1100
Cake			µg/kg di y					
Annual Mean		02000						
1,2-Dibromo-   EPA   μg/kg   Plant 1   Dewatering   O4/06/2021 ND   140   366   374   374   375   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   376   3				Care			390	990
1,2-Dibromo- Ba								
S-chloropropa   Se   Se   Se   Se   Se   Cake   Se   Se   Se   Se   Se   Se   Se								
Cake			µg/kg					360
Annual Mean		8260B		_				420
Part				Cake	07/20/2021	ND	150	370
EPA 8260B					Annual Mean	<170		
Dewatering   Cake   Dewatering   O4/06/2021 ND   93   230	weight				Annual Max	<170		
Bacoba   Dewatering   Cake   O4/06/2021 ND   93   23   23   07/20/2021 ND   110   28   28   28   28   28   28   28   2		EPA	µg/kg	Plant 2	01/12/2021	ND	120	310
Cake		8260B	, , ,	Dewatering	04/06/2021	ND	93	230
1,2-								280
1,2-								
1,2-   Dibromoetha ne   B260B   μg/kg dry   Plant 1   Dewatering   O4/06/2021 ND   360   730   360   730   360   730   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360								
Dibromoetha ne   Dewatering   Cake   Dewatering   O4/06/2021 ND   360   736   Annual Mean   360   Annua	1 2_	EDΔ	ua/ka dry	Plant 1			300	500
Part			µg/kg ury					_
Annual Mean   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   36		0200D						
EPA   μg/kg dry   Plant 2   Dewatering   O4/06/2021 ND   220   438   220   Annual Max   4220   Annual M	i ie			Cake			310	630
EPA 8260B								
Bactering   Cake   Dewatering   O4/06/2021   ND   160   330   390								
Cake   07/20/2021 ND   200   390   Annual Mean   <220   Annual Mean   Annual Mean   Annual Mean   <83   Annual Mean   <84   Annual Mean   <862   Annual Mean   <62   Annual Mean   <63   Annual Mean   <62   Annual Mean   <60   Annual Mea			µg/kg dry					430
Annual Mean		8260B		_			160	330
1,2-   Dibromoetha ne wet weight   EPA   μg/kg   Plant 1   Dewatering   O4/06/2021 ND   72   144   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154   154			Cake	07/20/2021	ND	200	390	
1,2-   Dibromoetha ne wet weight   EPA   260B   Plant 1   Dewatering   Dewatering   O4/06/2021 ND   R3   174   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156   156				Annual Mean	<220			
Dibromoetha ne wet weight   Dewatering   Cake   O7/20/2021   ND   R3   17/4   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150					Annual Max	<220		
Dibromoetha ne wet weight   Dewatering   Cake   O7/20/2021   ND   R3   17/4   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150   150	1,2-	EPA	μg/kg		01/12/2021	ND	72	140
No.   No.			μу/ку	Cake Plant 2				170
Meight   Annual Mean   483   Annual Max   462   Annual Mean   462   Annual Mean   462   Annual Max   460	ne wet							150
Annual Max   <83   Second Part   Second P	weight							1.44
EPA 8260B   μg/kg   Plant 2   01/12/2021   ND   62   12/12/2021   ND   46   93	3							
Bactering   Dewatering   Dewatering   O4/06/2021 ND   A6   93		EDA	ua/ka				62	120
Cake   07/20/2021   ND   56   11th			µg/kg					
Annual Mean   Ke2   Annual Max   Ke2		0200D						
Annual Max   An				Care	0.7207202.		90	110
1,2-   Dichloroben zene   EPA   μg/kg dry   Plant 1   Dewatering   O4/06/2021 ND   360   730   360   730   360   730   360   730   360   730   360   730   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360   360								-
Dichloroben zene   B260B   B260B   Cake   Dewatering   O4/06/2021   ND   360   730   310   630   Annual Mean   <360   Annual Max   <360   Annual Max   <360   Annual Max   <360   Annual Max   S260B   Plant 2   O1/12/2021   ND   160   330   Annual Mean   <220   Annual Mean   <220   Annual Max   <220   An								
Cake   07/20/2021 ND   310   630     Annual Mean   <360       Annual Max   <360       EPA   8260B   EPA   2   01/12/2021 ND   220   430     Cake   07/20/2021 ND   160   330     Cake   07/20/2021 ND   200   390     Annual Mean   <220       Annual Max   <220       Annual Max   <220       Cake   07/20/2021 ND   72   140     Dewatering   04/06/2021 ND   72   140     Dewatering   04/06/2021 ND   83   170     Cake   07/20/2021 ND   74   150     Annual Mean   <83       EPA   μg/kg   Plant 2   01/12/2021 ND   62   120     Annual Max   <83       EPA   8260B   Plant 2   01/12/2021 ND   62   120     Dewatering   04/06/2021 ND   646   93     Dewatering   04/06/2021 ND   466   93			µg/kg dry					590
Annual Mean		8260B						730
Annual Max   An	zene			Cake	07/20/2021	ND	310	630
EPA 8260B       μg/kg dry       Plant 2 Dewatering Plant 2 Dewatering Cake       01/12/2021 ND 0160 330 0160 330 0160 330 0160 330 0160 330 0160 330 0160 330 0160 330 0160 330 0160 016					Annual Mean	<360		
EPA 8260B         μg/kg dry         Plant 2 Dewatering Cake         01/12/2021 ND         160 33/4 ND         33/4 ND         220 43/6 ND         43/8 ND         33/8 ND         34/8 ND					Annual Max	<360		
See No.   Dewatering   04/06/2021   ND   160   330		EPA	μg/kg dry	Plant 2		ND	220	430
Cake 07/20/2021 ND 200 390 Annual Mean <220 Annual Max <220  1,2- Dichloroben zene wet weight  EPA μg/kg Plant 1 01/12/2021 ND 72 140 Dewatering 04/06/2021 ND 83 170 Cake 07/20/2021 ND 74 150 Annual Mean <83 Annual Max <83 EPA μg/kg Plant 2 01/12/2021 ND 62 120 Dewatering 04/06/2021 ND 62 120 Dewatering 04/06/2021 ND 46 93			, 55,					330
Annual Mean <220  1,2- Dichloroben zene wet weight  EPA μg/kg Plant 1 Dewatering O4/06/2021 ND 72 144  Cake 07/20/2021 ND 74 156  Annual Mean <83 Annual Mean <83 Annual Mean <83 EPA μg/kg Plant 2 Dewatering O4/06/2021 ND 62 126  BEPA 8260B  Dewatering O4/06/2021 ND 62 93								390
Annual Max   C220   C20   C							200	000
1,2- Dichloroben zene wet weight EPA μg/kg Plant 1 Dewatering O4/06/2021 ND 72 144								-
Dichloroben zene wet weight   S260B   Dewatering   O4/06/2021 ND   83   170   150   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170   170	1.0	ED4	110/1-2	Dlort 1			70	140
zene wet weight     Cake     07/20/2021 ND     74     150       Annual Mean kein     483       Annual Max     483       EPA 8260B     Plant 2 Plant 2 Dewatering     04/06/2021 ND     62     120       Dewatering     04/06/2021 ND     46     93			µg/кg					
weight       Annual Mean Annual Mean Annual Mean Annual Max       <83		8200B		_				170
EPA       μg/kg       Plant 2       01/12/2021 ND       62       120         8260B       Dewatering       04/06/2021 ND       46       93				Cake			74	150
EPA μg/kg Plant 2 01/12/2021 ND 62 120 260B Dewatering 04/06/2021 ND 46 93	weight				Annual Mean			
8260B Dewatering 04/06/2021 ND 46 93					Annual Max	<83		
8260B Dewatering 04/06/2021 ND 46 93		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
			, , ,					93
								110
Annual Mean <62								-
Annual Max <62								

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,2-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	Dichloroetha		p.gg )	Dewatering	04/06/2021		360	730
	ne			Cake	07/20/2021		310	630
				Carto	Annual Mean	<360	010	000
					Annual Max	<360		
		ED4	/lear alm e	Diant 0			220	420
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	Dichloroetha	8260B		Dewatering	04/06/2021	ND	83	170
	ne wet			Cake	07/20/2021	ND	74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	P9/N9	Dewatering	04/06/2021		46	93
		32300		Cake	07/20/2021		56	110
				Jake			30	110
					Annual Mean	<62		
			/Iran almir	DI	Annual Max	<62	200	
	1,2-	EPA	µg/kg dry	Plant 1	01/12/2021		300	590
	Dichloroprop	8260B		Dewatering	04/06/2021		360	730
	ane			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	. 5 5 ,	Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
	1,2-			Annual Mean	<220			
					Annual Max	<220		
		FΡΔ	ua/ka	Plant 1		-	72	140
		EPA µg/kg		01/12/2021		72	140	
	Dichloroprop	ひとひひむ		Dewatering Cake	04/06/2021		83	170
	ane wet			Саке	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021		62	120
		8260B		Dewatering	04/06/2021	ND	46	93
				Cake	07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,3,5-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	590	1200
	Trichloroben		, 5 6	Dewatering	04/06/2021		730	1400
	zene			Cake	07/20/2021		630	1300
				1	Annual Mean	<730	550	1000
					Annual Max	<730		
		EDA	110/les do:	Diant 2			420	000
		EPA	μg/kg dry	Plant 2	01/12/2021		430	900
		8260B		Dewatering	04/06/2021		330	670
				Cake	07/20/2021		390	810
					Annual Mean	<430		
					Annual Max	<430		
	1,3,5-	EPA	μg/kg	Plant 1	01/12/2021	ND	140	290
	Trichloroben			Dewatering	04/06/2021		170	330
	zene wet			Cake	07/20/2021		150	300
	weight				Annual Mean	<170		
					Annual Max	<170		
		EDA.	um/les:	Diant C			100	252
		EPA	μg/kg	Plant 2	01/12/2021		120	250
		8260B		Dewatering	04/06/2021		93	190
				Cake	07/20/2021		110	230
					Annual Mean	<120 <120		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,3,5-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	Trimethylben		. 5 5 ,	Dewatering	04/06/2021		360	730
	zene			Cake	07/20/2021		310	630
					Annual Mean	<360	•	
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	pg/ng ally	Dewatering	04/06/2021		160	330
		02000		Cake	07/20/2021		200	390
							200	390
					Annual Mean	<220		
	105				Annual Max	<220	70	4.5
	1,3,5-	EPA	Cake  μg/kg dry  Plant 1  Dewatering Cake  μg/kg dry  Plant 2		01/12/2021		72	140
	Trimethylben	8260B		_	04/06/2021		83	170
	zene wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021		46	93
					07/20/2021		56	110
				Carc	Annual Mean	<62		1.0
					Annual Max	<62		-
	1,3-	EPA	ua/ka day	Plant 1	01/12/2021		300	590
		8260B	µg/kg ury		04/06/2021		360	730
	zene	02000						
	Zerie			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	µg/kg dry		01/12/2021		220	430
		8260B	Dewatering Cake	04/06/2021		160	330	
	1,3-			07/20/2021	ND	200	390	
				Annual Mean	<220			
					Annual Max	<220		
		EPA μg/kg	Plant 1	01/12/2021	ND	72	140	
	Dichloroben	8260B	Dewatering	04/06/2021		83	170	
	zene wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	ua/ka	Dlant 2	01/12/2021		62	120
		8260B	μg/kg	Plant 2			46	93
		020UD		Dewatering	04/06/2021			
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,3-	EPA	µg/kg dry	Plant 1	01/12/2021		300	590
	Dichloroprop	8260B		Dewatering	04/06/2021		360	730
	ane			Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	, 5 5	Dewatering	04/06/2021		160	330
		3_305		Cake	07/20/2021		200	390
					Annual Mean	<220	200	330
	4.2	ED^		Dlaw t 4	Annual Max	<220	70	1.10
	1,3-	EPA	μg/kg	Plant 1	01/12/2021		72	140
	Dichloroprop	8260B		Dewatering	04/06/2021		83	170
	ane wet			Cake	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B D	Plant 2 Dewatering			46	93	
				04/06/2021	שמו	70	93	
				Dewatering Cake				110
					04/06/2021 07/20/2021 Annual Mean		56	

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,4-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
		8260B	F-9/ 9 4 )	Dewatering	04/06/2021		360	730
	zene			Cake	07/20/2021		310	630
	20110			Carto	Annual Mean	<360	010	000
					Annual Max	<360		
		FDA	/Icas almi	Plant 2			220	420
		EPA	μg/kg dry		01/12/2021		220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,4-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	Dichloroben	8260B		Dewatering	04/06/2021	ND	83	170
	zene wet			Cake	07/20/2021	ND	74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021		62	120
		8260B	Mg/ Ng	Dewatering	04/06/2021		46	93
		32300		Cake	07/20/2021		56	110
				Jake			30	110
					Annual Mean	<62		
			4 .	D	Annual Max	<62	500	1000
	2,2-	EPA	µg/kg dry	Plant 1	01/12/2021		590	1200
	Dichloroprop	8260B		Dewatering	04/06/2021		730	1400
	ane			Cake	07/20/2021	ND	630	1300
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	900
		8260B		Dewatering	04/06/2021	ND	330	900 670 810
				Cake	07/20/2021		390	
		EPA µg/kg		Annual Mean	<430	000	0.10	
					Annual Max	<430		
	2,2-		ua/ka	Plant 1	01/12/2021		140	290
		, , ,						
	Dichloroprop ane wet	020UD		Dewatering Cake	04/06/2021		170	330
					07/20/2021		150	300
	weight				Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	ND	120	250
		8260B		Dewatering	04/06/2021	ND	93	190
				Cake	07/20/2021	ND	110	230
					Annual Mean	<120		
					Annual Max	<120		
	2-	EPA	μg/kg dry	Plant 1	01/12/2021		590	1500
	Chlorotoluen		יים מייט מייט	Dewatering	04/06/2021		730	1800
	e	22000		Cake	07/20/2021		630	1600
				Jane	Annual Mean	<730	000	1000
		ED^		Dlast 0	Annual Max	<730	420	1100
		EPA	μg/kg dry	Plant 2	01/12/2021		430	1100
		8260B		Dewatering	04/06/2021		330	810
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		
	2-	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	Chlorotoluen			Dewatering	04/06/2021		170	420
	e wet weight			Cake	07/20/2021		150	370
	l si				Annual Mean	<170	1.50	3,0
					Annual Max	<170		
		ED^		Diest 0			100	240
		EPA	μg/kg	Plant 2	01/12/2021		120	310
		8260B		Dewatering	04/06/2021		93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	2-Hexanone	EPA	µg/kg	Plant 1	01/12/2021	ND	720	1800
	wet weight	8260B		Dewatering	04/06/2021		830	
				Cake	07/20/2021		740	
					Annual Mean	<830		1000
					Annual Max	<830		
		EPA	PA μg/kg PA μg/kg PA μg/kg PA μg/kg dry PA μg/kg dry PA μg/kg dry PA μg/kg	Plant 2	01/12/2021		620	1600
			µg/kg	Dewatering	04/06/2021		460	
		0200B		Cake				
				Cake	07/20/2021		560	1400
					Annual Mean	<620		
					Annual Max	<620		
	4-	EPA	µg/kg dry  µg/kg  µg/kg  µg/kg  µg/kg dry	Plant 1	01/12/2021		300	
	Chlorotoluen	8260B		Dewatering	04/06/2021		360	
	е			Cake	07/20/2021	ND	310	1600
					Annual Mean	<360		
					Annual Max	<360		
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	220	1100
		8260B	100	Dewatering	04/06/2021		160	810
				Cake	07/20/2021		200	
					Annual Mean	<220		
					Annual Max	<220		
	4-	EPA	ualka	Plant 1	01/12/2021		72	360
	4- Chlorotoluen		µg/kg	Dewatering				
		020UD		Cake	04/06/2021		83	
	e wet weight			Cake	07/20/2021		74	370
					Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021	ND	62	310
		8260B		Dewatering	04/06/2021	ND	46	230
				Cake	07/20/2021	ND	56	280
					Annual Mean	<62		
				Annual Max	<62			
	Acrolein	Acrolein EPA µg	ua/ka drv		ND	12000	30000	
	7 10. 0.0	8260B	μg/kg dry	Dewatering Cake	04/06/2021		14000	
					07/20/2021		13000	
				Guite	Annual Mean	<14000	10000	01000
					Annual Max	<14000		
		ED4	/lear alme	Dlant 0	01/12/2021		0000	22000
			µg/kg ary	Plant 2			9000	
		8260B		Dewatering	04/06/2021		6700	
				Cake	07/20/2021		8100	20000
					Annual Mean	<9000		
					Annual Max	<9000		
	Acrolein wet		µg/kg	Plant 1	01/12/2021	ND	2900	7200
	weight	8260B		Dewatering	04/06/2021	ND	3300	8300
				Cake	07/20/2021	ND	3000	7400
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA	ug/ka	Plant 2	01/12/2021		2500	6200
		8260B	פיי ישיו	Dewatering	04/06/2021		1900	
		32305		Cake	07/20/2021		2300	
					Annual Mean	<2500	2300	3000
	A a m d a '4'1	ED4		Diant 4	Annual Max	<2500	5000	20000
	Acrylonitrile	EPA	μg/kg dry	Plant 1	01/12/2021		5900	
		8260B		Dewatering	04/06/2021		7300	2100 1900 1600 1200 1400 1500 1800 1600 1100 810 990 360 420 370 310 230 280 36000 31000 22000 16000 20000
				Cake	07/20/2021		6300	31000
					Annual Mean	<7300		
					Annual Max	<7300		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	4300	22000
		8260B	, , ,	Dewatering	04/06/2021		3300	
				Cake	07/20/2021		3900	
					Annual Mean	<4300		
					Annual Max	<4300		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Acrylonitrile	EPA	µg/kg	Plant 1	01/12/2021	ND	1400	7200
	wet weight	8260B		Dewatering	04/06/2021		1700	8300
				Cake	07/20/2021		1500	7400
					Annual Mean	<1700	.000	1.00
					Annual Max	<1700		
		EPA	ua/ka	Plant 2	01/12/2021		1200	6200
		8260B	μg/kg μg/kg dry	Dewatering	04/06/2021		930	
		0200D		Cake				
				Cake	07/20/2021		1100	5600
					Annual Mean	<1200		
					Annual Max	<1200		
	Benzene	EPA	µg/kg dry	Plant 1	01/12/2021		300	
		8260B		Dewatering	04/06/2021		360	
				Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	100,	Dewatering	04/06/2021		160	
				Cake	07/20/2021		200	
					Annual Mean	<220		100
					Annual Max	<220		
	Benzene wet	EDA	ualka	Plant 1	01/12/2021		72	140
		8260B	µg/kg					
	weight	ひとひひば		Dewatering Cake	04/06/2021		83	
				Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021	ND	62 46 56	93
				Cake	07/20/2021	ND	56	110
					Annual Mean	<62		7200 8300 7400 6200 4600 5600 590 730 630 430 330 390 140 170 150
				Annual Max	<62			
	Bromobenze	FPA	ua/ka drv	Plant 1	01/12/2021	ND	590	1500
	ne	8260B	F-9/-1-9 4)	Dewatering Cake	04/06/2021		730	
					07/20/2021		630	
					Annual Mean	<730	000	1000
					Annual Max	<730		
		EPA	/Icas almi	Plant 2	01/12/2021		420	1100
			µg/kg ary				430	
		8260B		Dewatering	04/06/2021		330	
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		
	Bromobenze		µg/kg	Plant 1	01/12/2021		140	
	ne wet	8260B		Dewatering	04/06/2021	ND	170	420
	weight			Cake	07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA	ua/ka	Plant 2	01/12/2021		120	310
		8260B	פיי יש־ו	Dewatering	04/06/2021		93	
		22000		Cake	07/20/2021		110	
				Jako	Annual Mean	<120	110	200
					Annual Max			-
	Duama	EDA .		Dlant 4		<120	500	4500
	Bromochloro		μg/kg dry	Plant 1	01/12/2021		590	
	methane	8260B		Dewatering	04/06/2021		730	
				Cake	07/20/2021		630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B		Dewatering	04/06/2021		330	
				Cake	07/20/2021		390	
					Annual Mean	<430	-	+
					Annual Max	<430		-

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Bromochloro	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	methane wet			Dewatering	04/06/2021		170	420
	weight			Cake	07/20/2021		150	370
					Annual Mean	<170		1
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	-	120	310
		8260B	µg/Ng	Dewatering	04/06/2021		93	230
		0200D		Cake				
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		
	Bromodichlo		µg/kg dry	Plant 1	01/12/2021		300	590
	romethane	8260B		Dewatering	04/06/2021		360	730
				Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	100,	Dewatering	04/06/2021	ND	160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	Bromodichlo	EDA	ua/ka	Plant 1			72	140
	romethane	8260B	μg/kg		01/12/2021		72	140
		820UB			04/06/2021			
	wet weight			Саке	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B	D	Dewatering	04/06/2021	ND	46	93
			Cake	07/20/2021	ND	56	110	
				Annual Mean	<62	83 170 74 150 62 120 46 93 56 110		
				Annual Max	<62			
	Bromoform	EPA	ua/ka drv	Plant 1		-	590	1500
	2101110101111	8260B	May my ury					
		32300	Cake 07/20/2021 N Annual Mean < Annual Max <  µg/kg dry Plant 1 01/12/2021 N Dewatering 04/06/2021 N Cake 07/20/2021 N					
				Jake		<730	030	1000
				DI 10	Annual Max	<730	16.5	4
		EPA	µg/kg dry		01/12/2021		430	1100
		8260B			04/06/2021		330	810
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		
	Bromoform	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	wet weight	8260B		Dewatering	04/06/2021		170	420
				Cake	07/20/2021		150	370
					Annual Mean	<170	.50	1.0
					Annual Max	<170		
		EPA	ua/ka	Plant 2			120	310
			μg/kg		01/12/2021			
		8260B		_	04/06/2021		93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		
	Bromometha		μg/kg dry	Plant 1	01/12/2021	ND	590	1500
	ne	8260B		Dewatering	04/06/2021	ND	730	1800
				Plant 1 Dewatering Cake  Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2 Dewatering Cake  Plant 2 Dewatering Cake	07/20/2021		630	1600
					Annual Mean	<730		1
					Annual Max	<730		
		EPA	ua/ka day	Plant 2	01/12/2021		430	1100
		8260B	µg/kg dry					
		ひとひひば		_	04/06/2021		330	810
				Care	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Bromometha	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	ne wet	8260B		Dewatering	04/06/2021		170	420
	weight			Cake	07/20/2021		150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	-	120	310
		8260B	r3' '\3	Dewatering	04/06/2021		93	230
		32300		Cake	07/20/2021		110	280
				Jako	Annual Mean	<120	110	200
					Annual Max	<120		
	Corbon	EPA	المرادم ط	Plant 1	01/12/2021		590	1500
	Carbon		μg/kg dry					1500
	tetrachloride	020UB		Dewatering	04/06/2021		730	1800
				Cake	07/20/2021		630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021		430	1100
		8260B		Dewatering	04/06/2021	ND	330	810
				Cake	07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Carbon	EPA	µg/kg	Plant 1	01/12/2021		140	360
	tetrachloride		1-33		04/06/2021		170	420
	wet weight				07/20/2021		150	370
					Annual Mean	<170	100	010
					Annual Max	<170		
		EPA	ualka	Plant 2			120	240
			µg/kg		01/12/2021		120	310
		8260B	_	04/06/2021		93	230	
			Саке	07/20/2021		110	280	
					Annual Mean	<120		
				Annual Max	<120			
	Chlorobenze		μg/kg dry	Plant 1	01/12/2021		300	590
	ne	8260B		Dewatering Cake	04/06/2021		360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	, 5 5 ,		04/06/2021		160	330
					07/20/2021		200	390
					Annual Mean	<220		000
					Annual Max	<220		
	Chlorobenze	EDA	ua/ka	Diant 1	01/12/2021		72	140
	ne wet	8260B	µg/kg					
		0200B		_	04/06/2021		83	170
	weight			Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	µg/kg		01/12/2021		62	120
		8260B		Dewatering	04/06/2021	ND	46	93
				Cake	07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Chloroethan	EPA	μg/kg dry	Plant 1	01/12/2021		590	1500
	e	8260B	יים איים מיי		04/06/2021		730	1800
		32300		Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2 Dewatering Cake  Plant 2 Dewatering Cake  Plant 2 Dewatering Cake  Plant 2 Dewatering Cake  Plant 1 Dewatering Cake	07/20/2021		630	1600
				June			000	1000
					Annual Mean	<730		
				DI ( 2	Annual Max	<730	100	4455
		EPA	μg/kg dry		01/12/2021		430	1100
		8260B		_	04/06/2021		330	810
				Cake	07/20/2021		390	990
					Annual Mean	<430		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Chloroethan	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	e wet weight	8260B		Dewatering	04/06/2021		170	420
				Cake	07/20/2021		150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	-	120	310
		8260B	µg/kg					230
		0200D			04/06/2021		93	
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		
	Chloroform	EPA	µg/kg dry		01/12/2021		300	590
		8260B		y Plant 2 Dewatering Cake  Plant 1 Dewatering Cake  Plant 2 Dewatering Cake  Plant 2 Dewatering Cake  y Plant 1 Dewatering Cake  y Plant 2 Dewatering Cake  y Plant 2 Dewatering Cake	04/06/2021		360	730
				Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	[F3. 13)		04/06/2021		160	330
		3_305			07/20/2021		200	390
				Jako	Annual Mean	<220	200	330
			,		Annual Max	<220		
	Chloroform	EPA	µg/kg		01/12/2021		72	140
	wet weight	8260B			04/06/2021		83	170
				Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B			04/06/2021		46	93
				_	07/20/2021		56	110
		Gaixe		Annual Mean	<62	- 00	110	
					Annual Max	<62		
	01.1	-DA	/1 1	DI 14		-	500	4500
	Chlorometha		µg/kg dry		01/12/2021		590	1500
	ne	8260B			04/06/2021		730	1800
			Cake	07/20/2021		630	1600	
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B		Dewatering	04/06/2021	ND	330	810
					07/20/2021		390	990
					Annual Mean	<430	000	000
					Annual Max	<430		
	Chloromath -	ED4	ualka	Plant 1	01/12/2021		140	360
	Chlorometha		μg/kg				140	360
	ne wet	8260B		Dewatering	04/06/2021		170	420
	weight			Cake	07/20/2021		150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	ND	120	310
		8260B	_	Dewatering	04/06/2021		93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120		
					Annual Max	<120		
	cis-1,2-	EPA	ua/ka da	Plant 1	01/12/2021		300	590
			μg/kg dry				300	
	Dichloroethe	0700R		Dewatering	04/06/2021		360	730
	ne			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	. 5 5 ,	Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
				3	Annual Mean	<220	200	- 550
			1	1	Annual Max	<220		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	F
	cis-1,2-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	Dichloroethe		פיי ישרו	Dewatering	04/06/2021		83	170
	ne wet			Cake	07/20/2021		74	150
	weight			Jane	Annual Mean	<83	17	130
	Wolgin				Annual Max	<83		
		EPA	ua/ka	Plant 2	01/12/2021		62	120
		8260B	µg/kg		04/06/2021			
		020UD		Dewatering Cake			46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		
	cis-1,3-	EPA	µg/kg dry	Plant 1	01/12/2021		300	590
	Dichloroprop	8260B		Dewatering	04/06/2021		360	730
	ene			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B		Dewatering	04/06/2021	ND	160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	cis-1,3-	EPA	μg/kg	Plant 1	01/12/2021	-	72	140
	Dichloroprop		µg/kg	Dewatering	04/06/2021		83	170
	ene wet	0200D		Cake				
				Care	07/20/2021		74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2 Dewatering	01/12/2021		62	120
		8260B			04/06/2021		46	93
			Cake	07/20/2021	ND	56	110	
				Annual Mean	<62			
				Annual Max	<62			
	Dibromochlo	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	romethane	8260B		Dewatering	04/06/2021	ND	360	730
				Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	pg/kg dry	Dewatering	04/06/2021		160	330
		02000		Cake	07/20/2021		200	390
				Care			200	390
					Annual Mean	<220		
	Dile	ED4		DI1 4	Annual Max	<220	70	4.40
	Dibromochlo		µg/kg	Plant 1	01/12/2021		72	140
	romethane	8260B		Dewatering	04/06/2021		83	170
	wet weight			Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		
	Dibromomet	FΡΔ	μg/kg dry	Plant 1	01/12/2021		300	590
	hane	8260B	µg/ng ury	Dewatering				
	ı idi ic	0200D			04/06/2021		360	730
				Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
			Plant 2	01/12/2021		220	430	
		8260B		Dewatering	04/06/2021	ND	160	330
				Cake	07/20/2021	ND	200	390
			T. Control of the Con					
				Annual Mean	<220			

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Dibromomet	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	hane wet	8260B		Dewatering	04/06/2021		83	170
	weight			Cake	07/20/2021		74	150
					Annual Mean	<83		1
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	µg/Ng	Dewatering	04/06/2021		46	93
		02000		Cake	07/20/2021		56	
				Cake			36	110
					Annual Mean	<62		
					Annual Max	<62		
	Dichlorodiflu	EPA	µg/kg dry	Plant 1	01/12/2021		590	1500
	oromethane	8260B		Dewatering	04/06/2021		730	1800
				Cake	07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B		Dewatering	04/06/2021		330	810
				Cake	07/20/2021		390	990
					Annual Mean	<430		
					Annual Max	<430		
	Dichlorodiflu	FΡΔ	μg/kg	Plant 1	01/12/2021		140	360
	oromethane	8260B	µg/	Dewatering	04/06/2021		170	420
	wet weight	02000		Cake	07/20/2021			
	wet weight			Cane			150	370
					Annual Mean	<170		
							10-	
		EPA	µg/kg				120	310
		8260B		Annual Max <170 g/kg Plant 2 01/12/2021 ND 1 Dewatering 04/06/2021 ND 9	93	230		
				Cake	07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Ethylbenzen	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	e	8260B	pg/itg di y	Dewatering	04/06/2021		360	730
				Cake	07/20/2021		310	630
					Annual Mean	<360	-	+
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2 Dewatering	01/12/2021		220	430
		8260B	pg/ng uly		04/06/2021		160	330
		02000		Cake				
				Care	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220	70	1
	Ethylbenzen		µg/kg	Plant 1	01/12/2021		72	140
	e wet weight	8260B		Dewatering	04/06/2021		83	170
				Cake	07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B	. 5 5	Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		1.10
					Annual Max	<62		
	Hexachlorob	ED^	ua/ka da	Plant 1	01/12/2021		590	1500
			μg/kg dry					
	utadiene	8260B		Dewatering	04/06/2021		730	1800
				Cake	07/20/2021		630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B		Dewatering	04/06/2021	ND	330	810
		8260B Dewatering Cake	07/20/2021	ND	390	990		
				Cake	07/20/2021	IND	000	330
				Cake	Annual Mean	<430	000	330

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Hexachlorob	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
	utadiene wet	8260B	_	Dewatering	04/06/2021	ND	170	420
	weight			Cake	07/20/2021	ND	150	370
	_				Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2		-	120	310
		8260B	r3' '\3	Dewatering				230
		32300		Cake				280
				Jako			110	200
	loobutul	ED4	المرادم ط	Plant 1			15000	30000
	Isobutyl	EPA 8260B	μg/kg dry		01/12/2021 ND 140 36 04/06/2021 ND 170 42 07/20/2021 ND 150 37 Annual Mean <170 Annual Max <170 01/12/2021 ND 120 31 04/06/2021 ND 93 23 07/20/2021 ND 110 28 Annual Mean <120 Annual Mean <120 Annual Max <120 01/12/2021 ND 15000 30 04/06/2021 ND 16000 31 Annual Mean <18000 O1/12/2021 ND 11000 22 04/06/2021 ND 11000 22 04/06/2021 ND 9900 20 Annual Mean <11000 Annual Mean <4200 Annual Mean <4200 Annual Mean <4200 Annual Mean <4200 Annual Mean <3100 Annual Mean <3300 Annual Mean <360 Annual Mean <483 Annual Mean <483 Annual Mean <483 Annual Mean <483 Annual Mean <562			
	alcohol	OZOUB		Dewatering				36000
				Cake			16000	31000
		EPA	μg/kg dry	Plant 2				22000
		8260B		Dewatering			8100	16000
				Cake	07/20/2021	ND	9900	20000
					Annual Mean	<11000		
					Annual Max	<11000		
	Isobutyl	EPA	µg/kg	Plant 1			3600	7200
	alcohol wet	8260B	U.S	Dewatering				8300
	weight			Cake				7400
							0,00	, 400
								-
		EPA	ualka	Plant 2			2100	6200
			µg/kg					6200
		8260B		Dewatering				4600
			Cake			2800	5600	
	1 1 7		ng 04/06/2021 ND 2300 07/20/2021 ND 2800 Annual Mean <3100					
				Plant 1				590
	zene	8260B		Dewatering				730
				Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
		EPA	μg/kg dry	/kg dry Plant 2 Dewatering Cake			220	430
		8260B	, G J					330
								390
							200	000
	loopress II	ED4	ua/le-	Dlort 1			70	140
	Isopropylben		μg/kg					140
	zene wet	8260B		_				170
	weight			Саке			74	150
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B		Dewatering	04/06/2021	ND	46	93
				Cake			56	110
					Annual Mean	<62		
	m,p-Xylenes	EPA	μg/kg dry	Plant 1			590	1200
	, , , , , , , , , , , , , , , , , ,	8260B	יים איים מיי					1400
		32300		Annual Max		1300		
				June			000	1300
		ED4	/1 1	DI 10	Annual Max	<730	100	000
		EPA	μg/kg dry	Plant 2	01/12/2021		430	900
		8260B		Dewatering	04/06/2021		330	670
				Cake	07/20/2021		390	810
				Annual Mean	<430			
					7 ti il ladi i viodi i			

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	m,p-Xylenes	EPA	μg/kg	Plant 1	01/12/2021	ND	140	
	wet weight	8260B	. 5 5	Dewatering	04/06/2021		170	
				Cake	07/20/2021		150	
					Annual Mean	<170	100	000
					Annual Max	<170		
		EDA	ua/ka	Plant 2			120	250
		EPA	μg/kg		01/12/2021		120	
		8260B		Dewatering	04/06/2021		93	
				Cake	07/20/2021		110	230
					Annual Mean	<120		
					Annual Max	<120		
	Methyl ethyl	EPA	μg/kg dry	Plant 1	01/12/2021		3000	
	ketone	8260B		Dewatering	04/06/2021	3900 DNQ	3600	7300
				Cake	07/20/2021	3200 DNQ	3100	6300
					Annual Mean	3400 DNQ		
					Annual Max	3900 DNQ		
		EPA	μg/kg dry	Plant 2	01/12/2021		2200	4300
		8260B	, 55	Dewatering	04/06/2021		1600	
				Cake	07/20/2021		2000	
				Carto	Annual Mean	2000 DNQ		3330
					Annual Max	1800 DNQ		
	Mothyd official	ED^	ualka	Diant 1			720	1400
	Methyl ethyl		μg/kg	Plant 1	01/12/2021		720	
	ketone wet	8260B		Dewatering	04/06/2021		830	
	weight		07/20/2021		740	1500		
					Annual Mean	800 DNQ		
					Annual Max	920 DNQ		
		EPA	µg/kg	Plant 2	01/12/2021		620	
		8260B		Dewatering	04/06/2021		460	290 330 300 300 250 190 230 5900 7300 6300 4300 3300 3900 1400 1500 1200 930 1100 5900 7300 6300 4300 3300 3900 1400 1700 1500 1200 930 1100 1500 1200 930 1100 1500
			Cake	07/20/2021	ND	560	1100	
					Annual Mean	560 DNQ		
	Methylene			Annual Max	500 DNQ			
		EPA	μg/kg dry F	Plant 1	01/12/2021	ND	3000	5900
	Chloride	8260B	, , ,	Dewatering	04/06/2021		3600	
				Cake	07/20/2021			_
					Annual Mean		1220	
					Annual Max	<3600		
		EPA	μg/kg dry	Plant 2 Dewatering	01/12/2021		2200	4300
		8260B	µg/ng ury		04/06/2021		1600	
		0200D		Cake	04/06/2021			
				Cane	0172072021		2000	3900
					Annual Mean	<2200		
			,,		Annual Max	<2200		
	Methylene	EPA	µg/kg	Plant 1	01/12/2021		720	
	Chloride wet	8260B		Dewatering	04/06/2021		830	
	weight			Cake	07/20/2021		740	1500
					Annual Mean	<830		
					Annual Max	<830		
		EPA	μg/kg	Plant 2	01/12/2021	ND	620	1200
		8260B	, , ,	Dewatering	04/06/2021		460	
				Cake	07/20/2021		560	
					Annual Mean	<620	000	1 100
					Annual Max	<620		
	MIDIZ	ED^	المرادم ط	Diant 1			1200	2000
	MIBK	EPA	μg/kg dry	Plant 1	01/12/2021		1200	
		8260B		Dewatering	04/06/2021		1400	
				Cake	07/20/2021		1300	3100
					Annual Mean	<1400		
					Annual Max	<1400		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	900	2200
		8260B		Dewatering	04/06/2021		670	
				Cake	07/20/2021		810	2000
					Annual Mean	<900		
					Annual Max	<900		
					AUTUAL MAX	<b>&gt;</b> 300		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	MIBK wet	EPA	μg/kg	Plant 1	01/12/2021	ND	290	720
	weight	8260B		Dewatering	04/06/2021	ND	330	830
				Cake	07/20/2021	ND	300	740
					Annual Mean			
					Annual Max	<330		
		EPA	ua/ka	Plant 2			250	620
			Dewatering Cake   Dewatering Cake   Dewatering Or/20/2021   ND Annual Mean   Annual Max   Annual Max   Annual Mean   Annual M		190	460		
		32300					230	560
				June			250	500
	N. 1.0. 1		/1 1	DI 1.4			500	4500
	Naphthalene		µg/kg ary				590	1500
		8260B					730	1800
				Саке			630	1600
					Annual Max	<730		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	430	1100
		8260B		Dewatering	04/06/2021	ND	330	810
				Cake	07/20/2021	ND	390	990
	Naphthalene	EPA	ua/ka	Plant 1			140	360
	wet weight	8260B	~9'''9				170	420
	or moigni	22000					150	370
				Gaite			130	370
			/1	DI 10			100	0.40
			µg/кg					
		8260B		_				
				Cake			120 310 93 230 110 280	
		n- EPA µg/kg dry Plant 1						
				Annual Max	<120			
	n-		Plant 1	01/12/2021	ND	590	1500	
	Butylbenzen	8260B	µg/kg dry		04/06/2021	ND	730	1800
	е						630	1600
							-	
		EPA	ua/ka drv	Dewatering			430	1100
		8260B	rg, ng ai y				330	810
		32000					390	990
				Jake			390	990
		ED A	/1	DI ( )			1.10	000
	n-		µg/кg				140	360
	Butylbenzen	8260B		_			170	420
	e wet weight			Cake			150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA	μg/kg	Plant 2	01/12/2021	ND	120	310
		8260B		Dewatering	04/06/2021	ND	93	230
				Cake	07/20/2021		110	280
					Annual Mean	<120	-	
					Annual Max	<120		
	n-	EPA	μg/kg dry	Plant 1	01/12/2021		300	590
	Propylbenze		pg/ng uly	Dewatering			360	730
	1	0200D		Cake	04/06/2021			_
	ne			Care	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	µg/kg dry	Plant 2	01/12/2021		220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021	ND	200	390
		Ca			Annual Mean	<220		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	n-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	Propylbenze			Dewatering	04/06/2021		83	170
	ne wet			Cake	07/20/2021	ND	74	150
,	weight				Annual Mean	<83		
	-				Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	µg/kg	Dewatering	04/06/2021		46	140 170
		02000		Cake	07/20/2021		56	
				Cake			30	110
					Annual Mean	<62		
			,		Annual Max	<62		
	o-Xylene	EPA	µg/kg dry	Plant 1	01/12/2021		300	170 150 120 93 110 590 730 630 430 330 390 140 170 150 120 93 110 1500 1800 1600 1100 810 990 360 420 370 310 230 280 590 730
		8260B		Dewatering	04/06/2021		360	
				Cake	07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B	. 5 5 ,	Dewatering	04/06/2021		160	
				Cake	07/20/2021		200	
					Annual Mean	<220		200
					Annual Max	<220		
	o-Xylene wet	EDA	ua/ka	Plant 1	01/12/2021		72	140
	•	8260B	µg/kg	Dewatering				
	weight	OZUUD		Cake	04/06/2021		83	
				Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	
		8260B		Dewatering	04/06/2021	ND	46	93
		Cake	Cake	07/20/2021	ND	56	110	
				Annual Mean	<62			
				g/kg dry Plant 1	Annual Max	<62		
	sec-	EPA	μg/kg dry		01/12/2021	-	300	1500
	Butylbenzen		D.				360	
	e e e e e e e e e e e e e e e e e e e	3200D					310	
	C			Dewatering 04/06/2021 ND Cake 07/20/2021 ND Annual Mean <360	310	1000		
				Plant 2	Annual Max	<360		
		EPA	µg/kg dry		01/12/2021		220	
		8260B		Dewatering	04/06/2021		160	
				Cake	07/20/2021	ND	200	990
					Annual Mean	<220		
					Annual Max	<220		
	sec-	EPA	μg/kg	Plant 1	01/12/2021	ND	72	360
	Butylbenzen		. 5 5	Dewatering	04/06/2021		83	
	e wet weight			Cake	07/20/2021		74	
					Annual Mean	<83	1 7	0.0
					Annual Max	<83		
		EDA	ualka	Plant 2			62	240
		EPA	µg/kg	Plant 2	01/12/2021		62	
		8260B		Dewatering	04/06/2021		46	
				Cake	07/20/2021		56	280
					Annual Mean	<62		
					Annual Max	<62		
	Styrene	EPA	μg/kg dry	Plant 1	01/12/2021	ND	300	590
	-	8260B		Dewatering	04/06/2021		360	
				Cake	07/20/2021		310	
					Annual Mean	<360	0.0	
					Annual Max	<360		
		EDA	المرادم ط	Plant 2			220	420
		EPA	µg/kg dry	Plant 2	01/12/2021		220	
		8260B		Dewatering	04/06/2021		160	
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Styrene wet	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	weight	8260B		Dewatering	04/06/2021		83	170
	_			Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	r9' '\9	Dewatering	04/06/2021		46	93
		32300		Cake	07/20/2021		56	110
				June	Annual Mean	<62	30	110
					Annual Max	<62		
	44	ED4	/	Dit 4			500	4500
	tert-	EPA	μg/kg dry	Plant 1	01/12/2021		590	1500
	Butylbenzen	8260B		Dewatering	04/06/2021		730	1800
	е			Cake	07/20/2021		630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA	µg/kg dry	Plant 2	01/12/2021		430	1100
		8260B		Dewatering	04/06/2021		330	810
				Cake	07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	tert-	EPA	μg/kg	Plant 1	01/12/2021		140	360
	Butylbenzen		פיי פיין	Dewatering	04/06/2021		170	420
	e wet weight			Cake			150	370
		vet weight Cake 07/20/2021 ND Annual Mean <170		100	570			
						<170		
		EPA μg/kg Plant 2 0 <sup>o</sup>	ua/ke	Diant 2	Annual Max		120	210
			01/12/2021		120	310		
		0200B		Dewatering Cake	04/06/2021		93	230
			Саке	07/20/2021		110	280	
	Tetrachloroe				Annual Mean	<120		
		EDA			Annual Max	<120		
		, , ,	µg/kg dry	Plant 1	01/12/2021		300	590
	thene	8260B		Dewatering Cake	04/06/2021		360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
				g/kg dry Plant 2 Dewatering	Annual Max	<360		
		EPA	μg/kg dry		01/12/2021	ND	220	430
		8260B	,		04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	Tetrachloroe	FΡΔ	μg/kg	Plant 1	01/12/2021		72	140
	thene wet	8260B	M9/ 1/9	Dewatering	04/06/2021		83	170
	weight	02000		Cake	07/20/2021			
	weignt			Care			74	150
					Annual Mean	<83		
				DI 10	Annual Max	<83	0.5	4.5.5
		EPA	µg/kg	Plant 2	01/12/2021		62	120
		8260B		Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		
					Annual Max	<62		
	Toluene	EPA	μg/kg dry	Plant 1	01/12/2021		300	590
		8260B	. 5 5 ,	Dewatering	04/06/2021		360	730
				Cake	07/20/2021		310	630
					Annual Mean	<360	0.0	
					Annual Max	<360		
		EDA	المرادم عاسد	Diant 2			220	420
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B		Dewatering	04/06/2021		160	330
				Cake	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Toluene wet	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	weight	8260B	. 5 5	Dewatering	04/06/2021	ND	83	170
				Cake	07/20/2021		74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B	M9/ 1/9	Dewatering	04/06/2021		46	93
		02000		Cake	07/20/2021		56	110
				Jane			30	110
					Annual Mean	<62		
		ED.	,, .	DI 11	Annual Max	<62	000	500
	trans-1,2-	EPA	μg/kg dry	Plant 1	01/12/2021		300	590
	Dichloroethe	8260B		Dewatering	04/06/2021		360	730
	ne			Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B		Dewatering	04/06/2021	ND	160	330
				Cake	07/20/2021	ND	200	390
					Annual Mean	<220	7-	
					Annual Max	<220		
	trans-1,2-	EPA	μg/kg	Plant 1	01/12/2021		72	140
	Dichloroethe		M9/ 1/9	Dewatering	04/06/2021		83	170
	ne wet	0200D		Cake	07/20/2021		74	150
	weight			Jake			/4	150
	weigilt				Annual Mean	<83		
		ED.	//	DI 10	Annual Max	<83	00	400
		EPA	μg/kg	Plant 2	01/12/2021		62	120
		8260B		Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
	trans-1,3- E			Annual Mean	<62			
				Annual Max	<62			
		EPA	μg/kg dry		01/12/2021	ND	300	590
	Dichloroprop	, , ,		Dewatering Cake	04/06/2021		360	730
	ene				07/20/2021		310	630
					Annual Mean	<360	1 -	
					Annual Max	<360		
		EPA	μg/kg dry	Plant 2	01/12/2021		220	430
		8260B	µg/ng uiy	Dewatering	04/06/2021		160	330
		0200D		Cake				
				Care	07/20/2021		200	390
					Annual Mean	<220		
					Annual Max	<220		
	trans-1,3-	EPA	µg/kg	Plant 1	01/12/2021		72	140
	Dichloroprop	8260B		Dewatering	04/06/2021		83	170
	ene wet			Cake	07/20/2021	ND	74	150
	weight				Annual Mean	<83		
					Annual Max	<83		
		EPA	μg/kg	Plant 2	01/12/2021	ND	62	120
		8260B	, 5	Dewatering	04/06/2021		46	93
				Cake	07/20/2021		56	110
					Annual Mean	<62		1.0
					Annual Max	<62		
	Triobles41	ED4		Diant 1			200	E00
	Trichloroeth	EPA	μg/kg dry	Plant 1	01/12/2021		300	590
	ene	8260B		Dewatering	04/06/2021		360	730
				Cake	07/20/2021		310	630
					Annual Mean	<360		
					Annual Max	<360		
		EDA	µg/kg dry	Plant 2	01/12/2021	ND	220	430
		8260B		Dewatering	04/06/2021	ND	160	330
				Dewatering         04/06/2021 ND         160           Cake         07/20/2021 ND         200				
				Dewatering Cake				330

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Trichloroeth	EPA	μg/kg	Plant 1	01/12/2021	ND	72	140
	ene wet	8260B	13 3				83	
	weight			Cake			74	
		EPA	ua/ka	Plant 2			62	120
		8260B	Mg/Ng					
		02000						
				Garco			30	110
	Trichlorofluo	ED4	/Icas alms	Diant 1			500	1500
	romethane	8260B	µg/kg dry					
	romemane	020UD		_				
				Cake			630	1600
		EPA	μg/kg dry				430	
		8260B					330	
				Cake			390	990
					Annual Mean			
					Annual Max	<430		
	Trichlorofluo	EPA	μg/kg		01/12/2021	ND	140	4 150  2 120 6 93 6 110  90 1500 30 1800 30 1600  30 810 90 990  40 360 70 420 50 370  20 310 33 230 1100 30 1800 30 1800 30 1800 30 1800 30 1800 30 1800 30 30 1100 30 310 280  40 360 70 420 50 370
	romethane	8260B		Dewatering	04/06/2021	ND	170	420
	wet weight			Cake	07/20/2021	ND	150	370
					Annual Mean	<170		
		EPA	ua/ka	Plant 2			120	310
		8260B	F-9' · · 9					
		02002		_				990 360 420 370 310 230 280 1500 1800 1600 1100 810
				Garto		/2021 ND 93 //2021 ND 110 nn <120	200	
		ED4	/Icas almir	Dlant 1			500	1500
	Vinyl	EPA	μg/kg dry					
	chloride	8260B						
				Саке			630	1500 1800 1600
								730 1800 630 1600
		EPA	μg/kg dry	Dewatering			430	
		8260B			04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Vinyl	EPA	μg/kg	Plant 1	01/12/2021	ND	140	360
			. 5 5	Dewatering			170	
	weight						150	
								170 150 120 93 110 1500 1800 1600 1100 810 990 360 420 370 310 230 280 1500 1800 1600 1100 810 990 360 420 370 310 230 280 11000 810 990
		EPA	ua/ka	Plant 2			120	310
		8260B	۳۳''\B					
		32300					110	
				Jake			110	200
: \/-! ("	404	EDA		DIt 1			4000	44000
mi-Volatile		EPA	µg/kg dry				4200	
ganic	Trichloroben	8270C		_			6900	
mpounds	zene			Cake			13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	7200	18000
		8270C	_	Dewatering	04/06/2021	ND	5700	17000
				Cake	07/20/2021		11000	
					Annual Mean	<11000		
					Annual Max	<11000		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	1,2,4-	EPA	μg/kg	Plant 1	01/12/2021	ND	1000	2500
	Trichloroben	8270C		Dewatering	04/06/2021		1600	4900
	zene wet			Cake	07/20/2021	ND	3000	9600
	weight				Annual Mean	<3000		
					Annual Max	<3000		
		EPA	μg/kg	Plant 2	01/12/2021		2000	4900
		8270C	µg/kg	Dewatering	04/06/2021		1600	4900
		02100		Cake	07/20/2021		3000	9500
				Care			3000	9300
					Annual Mean	<3000		
			,		Annual Max	<3000		
	1,2-	EPA	µg/kg dry	Plant 1	01/12/2021		2200	11000
	Dichloroben	8270C		Dewatering	04/06/2021		6400	42000
	zene			Cake	07/20/2021		12000	80000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	3600	18000
		8270C	_	Dewatering	04/06/2021	ND	5300	35000
				Cake	07/20/2021	ND	10000	67000
					Annual Mean	<10000	1	100
					Annual Max	<10000		
	1,2-	EPA	μg/kg	Plant 1	01/12/2021		520	2500
	Dichloroben	8270C	pg/Ng	Dewatering	04/06/2021		1500	9900
	zene wet	02700		Cake	07/20/2021		2900	19000
	weight			Care		<2900	2900	19000
	weigitt				Annual Mean			
			,		Annual Max	<2900	1000	
		EPA	µg/kg	Plant 2	01/12/2021		1000	4900
		8270C		Dewatering	04/06/2021		1500	9900
	1,3-			Cake	07/20/2021	ND	2900	19000
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA	μg/kg dry	Plant 1	01/12/2021	ND	4200	11000
	Dichloroben	8270C	µg/kg dry	Dewatering Cake	04/06/2021	ND	5600	21000
	zene				07/20/2021		23000	41000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA	μg/kg dry	Plant 2	01/12/2021		7200	18000
		8270C	μg/kg di y	Dewatering	04/06/2021		4600	17000
		02100		Cake				
				Care	07/20/2021		19000	34000
					Annual Mean	<19000		
	1.0	ED.	//	DI ( )	Annual Max	<19000	4000	0500
	1,3-	EPA	µg/kg	Plant 1	01/12/2021		1000	2500
	Dichloroben	8270C		Dewatering	04/06/2021		1300	4900
	zene wet			Cake	07/20/2021		5500	9600
	weight				Annual Mean	<5500		
					Annual Max	<5500		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2000	4900
		8270C		Dewatering	04/06/2021		1300	4900
				Cake	07/20/2021		5400	9500
					Annual Mean	<5400		
					Annual Max	<5400		
	1,4-	EPA	μg/kg dry	Plant 1	01/12/2021		4200	11000
	Dichloroben	8270C	µg/ng uiy	Dewatering			5200	21000
		02700		Cake	04/06/2021	-		
	zene			Cake	07/20/2021		23000	41000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA	µg/kg dry	Plant 2	01/12/2021	-	7200	18000
		8270C		Dewatering	04/06/2021		4200	17000
				Cake	07/20/2021	ND	19000	34000
		Ca		Annual Mean	<19000			
					Annual Mean	13000		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	1,4-	EPA	μg/kg	Plant 1	01/12/2021	ND	1000	2500
	Dichloroben	8270C	~9'''9	Dewatering	04/06/2021		1200	4900
	zene wet	32.00		Cake	07/20/2021		5400	9600
	weight			Gaite	Annual Mean	<5400	3400	3000
	Wolgitt				Annual Max	<5400 <5400		
		-DA		DIt O			2000	4000
		EPA	µg/kg	Plant 2	01/12/2021		2000	
		8270C		Dewatering	04/06/2021		1200	
				Cake	07/20/2021		5300	9500
					Annual Mean	<5300		
					Annual Max	<5300		
	2,4,5-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	8400	21000
	Trichlorophe	8270C		Dewatering	04/06/2021	ND	6900	21000
	nol			Cake	07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021		14000	35000
		8270C	יים מייט מייט	Dewatering	04/06/2021		5700	
		52.50		Cake	07/20/2021		11000	
				Jako	Annual Mean	<14000	11000	3-1000
					Annual Mean Annual Max			
	2.4.5	ED4		Dlagt 4		<14000	2000	F000
	2,4,5-	EPA	μg/kg	Plant 1	01/12/2021		2000	
	Trichlorophe	82/UC		Dewatering	04/06/2021		1600	
	nol wet			Cake	07/20/2021		3100	9600
	weight				Annual Mean	<3100		
					Annual Max	<3100		
		EPA	μg/kg	Plant 2	01/12/2021	ND	3900	9800
		8270C		Dewatering	04/06/2021	ND	1600	21000 41000 35000 17000 34000 5000 4900 9600
				Cake	07/20/2021 ND	3000	9500	
	2,4,6-			Cake	Annual Mean	<3900		
					Annual Max	<3900		
		EPA	μg/kg dry	Plant 1	01/12/2021		6700	21000
	Trichlorophe		µg/kg ury	Dewatering	04/06/2021		8600	
	nol	32.00		Cake	07/20/2021		16000	
				Jako	Annual Mean	<16000	10000	71000
		ED4		Plant 2	Annual Max	<16000	14000	25000
		EPA	μg/kg dry		01/12/2021		11000	
		8270C		Dewatering	04/06/2021		7100	
				Cake	07/20/2021		13000	34000
					Annual Mean	<13000		
					Annual Max	<13000		
	2,4,6-	EPA	μg/kg	Plant 1	01/12/2021	ND	1600	5000
	Trichlorophe	8270C		Dewatering	04/06/2021		2000	4900
	nol wet			Cake	07/20/2021		3800	
	weight				Annual Mean	<3800		1.22
					Annual Max	<3800		
		EPA	μg/kg	Plant 2	01/12/2021		3100	gann
		8270C	µg/Ng					
		02100		Dewatering Cake	04/06/2021		2000	
				Care	07/20/2021		3800	9500
					Annual Mean	<3800		
					Annual Max	<3800		
	2,4-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2100	11000
	Dichlorophe	8270C		Dewatering	04/06/2021	ND	6400	21000
	nol			Cake	07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021		3500	18000
		8270C	µg/ng ury	Dewatering	04/06/2021		5300	17000
		02100						
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000		
			1		Annual Max	<11000		1

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	2,4-	EPA	μg/kg	Plant 1	01/12/2021	ND	500	2500
		8270C	13 3	Dewatering	04/06/2021		1500	4900
	nol wet			Cake	07/20/2021		3000	9600
	weight				Annual Mean	<3000	2300	2000
					Annual Max	<3000		
		EPA	μg/kg	Plant 2	01/12/2021		980	4900
		8270C	µg/кg					
		02/UC		Dewatering Cake	04/06/2021		1500	4900
				Cake	07/20/2021		3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	2,4-	EPA	µg/kg dry	Plant 1	01/12/2021		4100	11000
	Dimethylphe	8270C		Dewatering	04/06/2021	ND	6400	21000
	nol			Cake	07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	6800	18000
		8270C	pg/kg dry	Dewatering	04/06/2021		5300	17000
				Cake	07/20/2021		10000	34000
					Annual Mean	<10000	.5000	5-1000
					Annual Max	<10000		-
	2,4-	EPA	ua/ka	Plant 1	01/12/2021		980	2500
	2,4- Dimethylphe		μg/kg	Dewatering				
		02/06			04/06/2021		1500	4900
	nol wet			Cake	07/20/2021		2900	9600
	weight				Annual Mean	<2900		
					Annual Max	<2900		
		EPA	µg/kg	Plant 2	01/12/2021		1900	4900
		8270C		Dewatering	04/06/2021		1500 490	4900
				Cake	07/20/2021	ND	2900	9500
	2,4-				Annual Mean	<2900		
					Annual Max	<2900		
		EPA μg	μg/kg dry	Plant 1	01/12/2021		32000	42000
	Dinitropheno		, G J	Dewatering Cake	04/06/2021		56000	21000
					07/20/2021		110000	410000
					Annual Mean	<110000	1.0000	1.0000
					Annual Max	<110000		
		EPA	ua/ka da	Plant 2	01/12/2021		54000	72000
		8270C	µg/kg dry					
		02/06		Dewatering	04/06/2021		46000	170000
				Cake	07/20/2021		92000	34000
					Annual Mean	<92000		-
					Annual Max	<92000		
	2,4-	EPA	µg/kg	Plant 1	01/12/2021		7500	10000
	Dinitropheno	8270C		Dewatering	04/06/2021	ND	13000	49000
	I wet weight			Cake	07/20/2021	ND	26000	96000
					Annual Mean	<26000		
					Annual Max	<26000		
		EPA	μg/kg	Plant 2	01/12/2021		15000	20000
		8270C	J. J J	Dewatering	04/06/2021		13000	49000
		, , , , , ,		Cake	07/20/2021		26000	95000
					Annual Mean	<26000	20000	55000
					Annual Max	<26000		
	2.4	ED4		Dlort 1			2500	14000
	2,4-	EPA	μg/kg dry	Plant 1	01/12/2021		2500	11000
	Dinitrotoluen	02/UC		Dewatering	04/06/2021		7700	21000
	е			Cake	07/20/2021		15000	41000
					Annual Mean	<15000		
					Annual Max	<15000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	4300	18000
		8270C		Dewatering	04/06/2021		6400	17000
					07/20/2021	ND	12000	34000
				Cake	07/20/2021 Annual Mean	<12000	12000	34000

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	2,4-	EPA	μg/kg	Plant 1	01/12/2021	ND	600	2500
	Dinitrotoluen	8270C		Dewatering	04/06/2021	ND	1800	4900
	e wet weight			Cake	07/20/2021		3500	9600
					Annual Mean	<3500	. ,	
					Annual Max	<3500		
		EPA	μg/kg	Plant 2	01/12/2021		1200	4900
		8270C	µg/kg	Dewatering	04/06/2021		1800	4900
		02700		Cake				
				Cake	07/20/2021		3500	9500
					Annual Mean	<3500		
					Annual Max	<3500		
	2,6-	EPA	µg/kg dry	Plant 1	01/12/2021		3000	11000
	Dinitrotoluen	8270C		Dewatering	04/06/2021		7700	21000
	е			Cake	07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	5000	18000
		8270C	100,	Dewatering	04/06/2021		6400	17000
				Cake	07/20/2021		12000	34000
					Annual Mean	<12000	.2000	5-1000
					Annual Max	<12000		
	2,6-	EPA	ualka	Plant 1	01/12/2021		710	2500
	2,6- Dinitrotoluen		μg/kg	Dewatering				
			Cake	04/06/2021		1800	4900	
	e wet weight			Care	07/20/2021		3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA	µg/kg	Plant 2	01/12/2021	ND	1400	4900
		8270C		Dewatering	04/06/2021	ND	1800	4900
	2- EPA µg/kg		Cake	Cake	07/20/2021	ND	3400	9500
					Annual Mean	<3400		
				Annual Max	<3400			
		μg/kg dry	Plant 1	01/12/2021	ND	2100	11000	
	Chloronapht		µg/kg diy	Dewatering	04/06/2021		7300	21000
	halene			Cake	07/20/2021		14000	41000
				Care	Annual Mean	<14000	1-1000	71000
					Annual Max	<14000		
		ED4		Plant 2 Dewatering	01/12/2021		3500	10000
		EPA	μg/kg dry				3500	18000
		8270C			04/06/2021		6000	17000
				Cake	07/20/2021		12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	2-	EPA	μg/kg	Plant 1	01/12/2021	ND	500	2500
	Chloronapht	8270C		Dewatering	04/06/2021	ND	1700	4900
	halene wet			Cake	07/20/2021	ND	3300	9600
	weight				Annual Mean	<3300		
					Annual Max	<3300		
		EPA	μg/kg	Plant 2	01/12/2021		980	4900
		8270C	פיי יש־ו	Dewatering	04/06/2021		1700	4900
		32.00		Cake	07/20/2021		3300	9500
				June	Annual Mean		3300	9000
						<3300		
		ED.	, .	DI 11	Annual Max	<3300	0000	41005
	2-	EPA	µg/kg dry	Plant 1	01/12/2021		2200	11000
	Chloropheno	8270C		Dewatering	04/06/2021		5200	21000
	I			Cake	07/20/2021		22000	41000
					Annual Mean	<22000		
					Annual Max	<22000		
		EPA	μg/kg dry	Plant 2	01/12/2021		3600	18000
		8270C	, 5 5	Dewatering	04/06/2021		4200	17000
				Cake	07/20/2021		18000	34000
				Jako	Annual Mean	<18000	10000	J-1000
					Annual Max	<18000		
						~ 1 VI II II I		

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	2-	EPA	μg/kg	Plant 1	01/12/2021	ND	520	2500
	Chloropheno		. 5 5	Dewatering	04/06/2021			4900
	I wet weight			Cake	07/20/2021		5200	9600
	]				Annual Mean			1 300
					Annual Max			
		EPA	μg/kg	Plant 2	01/12/2021		1000	4900
		8270C	Mg/Ng	Dewatering	04/06/2021			
		02.00		Cake	07/20/2021			
				Carto	Annual Mean		3200	3300
					Annual Max			
-	2-	EPA	μg/kg dry	Plant 1		2021 ND	11000	
	Methylnapht		μg/kg di y	Dewatering				
	halene	02700		Cake				
	naiche			Care	Annual Mean		11000	00000
		-DA		DI+ O	Annual Max		2000	40000
		EPA	μg/kg dry	Plant 2				
		8270C		Dewatering	04/06/2021			
				Cake	07/20/2021		9200	67000
					Annual Mean			
					Annual Max			
	2-	EPA	μg/kg	Plant 1	01/12/2021	ND		2500
	Methylnapht	8270C		Dewatering	04/06/2021		1400	9900
	halene wet			Cake	07/20/2021	ND	2700	19000
	weight				Annual Mean	<2700		
			Annual Max	<2700				
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C		Dewatering	04/06/2021	ND	1400	9900
				Cake	07/20/2021	ND	2600	19000
	2- 1			Annual Mean				
					Annual Max			
ŀ		EPA µg/kg o	ua/ka drv	ug/kg dry Plant 1	01/12/2021		2500	11000
	Methylpheno		mg/ ng ar y	Dewatering	04/06/2021			21000
	I	02.00		Cake	07/20/2021			41000
					Annual Mean		10000	11000
					Annual Max			
		EPA	μg/kg dry	Plant 2			4300	18000
		8270C	μg/kg diy					
		02700		Dewatering Cake				
				Cake	0172072021		11000	34000
					Annual Mean			
	0	ED4		DI	Annual Max		000	0500
	2-	EPA	μg/kg	Plant 1				
	Methylpheno	02/UC		Dewatering				
	I wet weight			Cake			3000	9600
					Annual Mean			
					Annual Max			
		EPA	µg/kg	Plant 2	01/12/2021			
		8270C		Dewatering	04/06/2021			4900
				Cake	07/20/2021		3000	9500
					Annual Mean			
					Annual Max	<3000		
	2-	EPA	μg/kg dry	Plant 1	01/12/2021	ND		11000
	Nitroaniline	8270C		Dewatering	04/06/2021	ND	6400	21000
				Cake	07/20/2021			41000
					Annual Mean			
					Annual Max	<12000		
		EPA μg/kg dry	ry Plant 2			12000	19000	
				01/12/2021	IND	12000	LOUGH	
			μg/kg dry		01/12/2021			
		EPA 8270C	μg/kg dry	Dewatering	04/06/2021	ND	5300	17000
			μg/kg dry			ND		18000 17000 34000

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	2-	EPA	µg/kg	Plant 1	01/12/2021	ND	1700	2500
	Nitroaniline	8270C		Dewatering	04/06/2021		1500	RI 2500 4900 9600 14900 9500 11000 11000 11000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000 117000
,	wet weight			Cake	07/20/2021		2900	
	J				Annual Mean	<2900		
					Annual Max	<2900		
		EPA	μg/kg dry  μg/kg dry  μg/kg  μg/kg  μg/kg	Plant 2	01/12/2021		3300	4900
		8270C	pg/ng	Dewatering	04/06/2021		1500	
		02.00		Cake	07/20/2021		2800	
				Carto	Annual Mean	<3300	2000	3300
					Annual Max	<3300		
-	2-	EPA	ualka dar	Plant 1			4200	11000
			µg/kg ary		01/12/2021		4200	
	Nitrophenol	8270C		Dewatering	04/06/2021		6000	
				Cake	07/20/2021		30000	41000
					Annual Mean	<30000		
					Annual Max	<30000		
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	7200	18000
		8270C		Dewatering	04/06/2021	ND	4900	17000
				Cake	07/20/2021	ND	25000	34000
					Annual Mean	<25000		
					Annual Max	<25000		
-	2-	EPA	ug/ka	Plant 1	01/12/2021		1000	2500
	Z- Nitrophenol	8270C	שיי ישיו	Dewatering	04/06/2021		1400	
	wet weight	02700		Cake	07/20/2021		7200	
	wot weight			Gaite	Annual Mean	<7200	7200	9000
			,,		Annual Max	<7200		
		EPA	µg/kg	Plant 2	01/12/2021		2000	
		8270C		Dewatering	04/06/2021		1400	
				Cake	07/20/2021	ND	7100	9500
				Annual Mean	<7100			
				Annual Max	<7100			
;	3 & 4	EPA	μg/kg		04/06/2021	ND	1500	9900
	METHYLPH	8270C	13.13		Annual Mean	<1500		
	ENOL wet				Annual Max	<1500		
,	weight	EPA	ua/ka		04/06/2021		1500	9900
	Ū	8270C	F-9/-1-9		Annual Mean	<1500		
				Cake	Annual Max	<1500		
-	3&4-	EPA	μg/kg dry	Plant 1	07/20/2021		12000	80000
			µg/kg ury		Annual Mean		12000	50000
	Methylpheno ı	02100		Dewatering Cake		<12000		
	ı	ED A			Annual Max	<12000	0000	07000
		EPA	μg/kg dry	Plant 2	07/20/2021		9900	6/000
		8270C		Dewatering	Annual Mean	<9900		
				Cake	Annual Max	<9900		
	3&4-	EPA	µg/kg	Plant 1	07/20/2021		2900	19000
	Methylpheno	8270C		Dewatering	Annual Mean	<2900		
	I wet weight			Cake	Annual Max	<2900		
		EPA	μg/kg	Plant 2	07/20/2021	ND	2800	19000
		8270C		Dewatering	Annual Mean	<2800		
				Cake	Annual Max	<2800		
1	3,3-	EPA	μg/kg dry	Plant 1	01/12/2021		4600	21000
		8270C		Dewatering	04/06/2021		6000	
	zidine	3		Cake	07/20/2021		11000	4900 9500 11000 21000 41000 18000 17000 34000 2500 4900 9600 4900 9500 9900 9900 9900 19000 19000
				Jako	Annual Mean		11000	71000
						8700 DNQ		-
		ED.	/ı ·	DI 10	Annual Max	9200 DNQ	7000	0500
		EPA	µg/kg dry	Plant 2		15000 DNQ	7900	
		8270C		Dewatering	04/06/2021		4900	
				Cake	07/20/2021		9200	34000
- 1					Annual Mean	9700 DNQ		

egory	Parameter	iviethod	Units	Sample Location	Sample Date	Result	MDL	R
	3,3-	EPA	μg/kg	Plant 1	01/12/2021	2200 DNQ	1100	5000
		8270C		Dewatering	04/06/2021		1400	4900
	zidine wet			Cake	07/20/2021		2600	9600
	weight				Annual Mean	2100 DNQ	,,,,	1
					Annual Max	2200 DNQ		
		EPA	ua/ka	Plant 2	01/12/2021		2200	gann
		8270C	M9/ 1/9	Dewatering	04/06/2021		1400	
		32100			07/20/2021		2600	
				Jake		2800 DNQ	2000	9500
					Annual Mean			-
		ED A	μg/kg       Plant 1         Dewate Cake         μg/kg       Plant 2         Dewate Cake         μg/kg dry       Plant 1         Dewate Cake         μg/kg       Plant 2         Dewate Cake         μg/kg       Plant 1         Dewate Cake         μg/kg dry       Plant 1         Dewate Cake         μg/kg dry       Plant 2         Dewate Cake         μg/kg       Plant 1         Dewate Cake         μg/kg       Plant 1         Dewate Cake         μg/kg       Plant 2         Dewate Cake         μg/kg       Plant 2         Dewate Cake         μg/kg       Plant 2         Dewate Cake	DI 1.4	Annual Max	4300 DNQ	4000	44000
	3-	EPA	µg/kg ary		01/12/2021	-	4200	\$1000
	Nitroaniline	8270C		Dewatering	04/06/2021		6900	
				Саке	07/20/2021		13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		11000 21000 18000 17000 17000 2500 4900 9600 4900 9500 210000 210000 0 410000
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	7200	
		8270C		Dewatering	04/06/2021	ND	5700	17000
				Cake	07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	3-	EPA	ua/ka	Plant 1	01/12/2021		1000	2500
	Nitroaniline	8270C	~9'''9	Dewatering	04/06/2021		1600	
	wet weight	32.00			07/20/2021		3100	
	or moignit			Jako	Annual Mean	<3100	3100	9000
								-
		ED4		Dlagt 0	Annual Max	<3100	2000	4900 9600 9800 4900 9500 11000 21000 41000 18000 17000 34000 2500 4900 9600 21000 21000 41000 35000 170000 34000 35000 170000 34000 96000 11000 96000
		EPA	µg/кg		01/12/2021		2000	
		8270C		Dewatering	04/06/2021		1600	9800 4900 9500 11000 21000 41000 18000 17000 34000 2500 4900 9600 21000 41000 21000 41000 35000 17000 34000 9500 17000 34000 17000 34000
				Cake	07/20/2021		3100	9500
	4,6-Dinitro-2- I				Annual Mean	<3100		
					Annual Max	<3100		
		EPA	μg/kg dry	Plant 1	01/12/2021	ND	4200	21000
	methylpheno	8270C		Dewatering Cake	04/06/2021	ND	43000	210000
	I				07/20/2021	ND	84000	410000
					Annual Mean	<84000		9500 21000 210000 410000 35000
					Annual Max	<84000		
		EPA	µg/ka drv	Plant 2	01/12/2021		7200	35000
		8270C	, J J J	Dewatering	04/06/2021		35000	
					07/20/2021		71000	
					Annual Mean	<71000	, 1000	U-0000
					Annual Max	<71000		
	4.6 Dinitra C	ED4	ua/ka	Plant 1			1000	5000
	4,6-Dinitro-2-		µg/кg		01/12/2021		1000	
	methylpheno	02/UC		Dewatering	04/06/2021		10000	
	I wet weight			Саке	07/20/2021		20000	96000
					Annual Mean	<20000		
					Annual Max	<20000		
		EPA	µg/kg	Plant 2	01/12/2021	ND	2000	9800
		8270C		Dewatering	04/06/2021	ND	10000	49000
				Cake	07/20/2021	ND	20000	95000
					Annual Mean	<20000	-	
					Annual Max	<20000		
	4-	EPA	ua/ka dry	Plant 1	01/12/2021		2400	11000
	Bromopheny		May My uly	Dewatering	04/06/2021		7700	
	I phenyl	02100		Cake		-		
	ether			Care	07/20/2021		14000	41000
	CUICI				Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021	-	4000	
		8270C		Dewatering	04/06/2021	-	6400	
				Cake	07/20/2021	ND	12000	34000
				Annual Mean	<12000			
					Allitual Mealt	12000		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	4-	EPA	μg/kg	Plant 1	01/12/2021	ND	560	2500
	Bromopheny		13 3	Dewatering	04/06/2021		1800	
	I phenyl			Cake	07/20/2021		3400	9600
	ether wet				Annual Mean	<3400	0.00	
	weight				Annual Max	<3400		
	J	EPA	μg/kg	Plant 2	01/12/2021		1100	4900
		8270C	µg/kg	Dewatering	04/06/2021		1800	## PRI
		02700		Cake	07/20/2021		3400	
				Care			3400	9300
					Annual Mean	<3400		
			, ,		Annual Max	<3400		
		EPA	µg/kg dry	Plant 1	01/12/2021		6300	
	methylpheno	8270C		Dewatering	04/06/2021		6000	
	I			Cake	07/20/2021		12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	10000	28000
		8270C		Dewatering	04/06/2021	ND	4900	17000
				Cake	07/20/2021	ND	9900	
					Annual Mean	<10000		1.0
					Annual Max	<10000		
	4-Chloro-3-	EPA	μg/kg	Plant 1	01/12/2021		1500	4000
	methylpheno		49/ N9	Dewatering	04/06/2021		1400	
	I wet weight	02100		Cake	07/20/2021		2800	
	i wei weigiil			Jake	Annual Mean		2000	9000
						<2800		
			,,		Annual Max	<2800		
		EPA	µg/kg	Plant 2	01/12/2021		2900	
		8270C	70C Dewatering 04/06/2021 ND		1400			
			Cake	07/20/2021	ND	2800	9500	
					Annual Mean	<2900		
					Annual Max	<2900		
			μg/kg dry	Plant 1	01/12/2021	ND	6300	21000
	Chloroaniline	8270C		Dewatering Cake	04/06/2021	ND	4300	42000
					07/20/2021	ND	8400	80000
					Annual Mean	<8400		
					Annual Max	<8400		
		EPA	µg/kg dry	Plant 2	01/12/2021		10000	35000
		8270C	mg/ ng ar y	Dewatering	04/06/2021		3500	
		02100		Cake	07/20/2021		6700	
				Jako	0172072021	<10000	0700	07000
					Annual Mean			
	4	ED4	//	DI ( )	Annual Max	<10000	4500	5000
	4-	EPA	μg/kg	Plant 1	01/12/2021		1500	
	Chloroaniline	8270C		Dewatering	04/06/2021		1000	
	wet weight			Cake	07/20/2021		2000	19000
					Annual Mean	<2000		
					Annual Max	<2000		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2900	9800
		8270C		Dewatering	04/06/2021	ND	1000	9900
				Cake	07/20/2021		1900	19000
					Annual Mean	<2900		1
					Annual Max	<2900		
	4-	EPA	μg/kg dry	Plant 1	01/12/2021		8400	21000
	Chloropheny		rg, ng ai y	Dewatering	04/06/2021		6900	
	I phenyl	32.00		Cake	07/20/2021		13000	
	ether			Jake			13000	41000
	Cuici				Annual Mean	<13000		
					Annual Max	<13000		
		EPA	µg/kg dry	Plant 2	01/12/2021		14000	
		8270C		Dewatering	04/06/2021		5700	
				Cake	07/20/2021		11000	34000
					Annual Mean	<14000		

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	4-	EPA	μg/kg	Plant 1	01/12/2021	ND	2000	5000
	Chloropheny	8270C		Dewatering	04/06/2021	ND	1600	4900
	I phenyl			Cake	07/20/2021		3100	9600
	ether wet				Annual Mean	<3100	0.00	
	weight				Annual Max	<3100		
	3	EPA	μg/kg	Plant 2	01/12/2021		3900	9800
			µg/кg					
		8270C		Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3000	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	4-	EPA	μg/kg dry	Plant 1	01/12/2021	4600 DNQ	4200	11000
	Methylpheno	8270C		Dewatering	Annual Mean	4600 DNQ		
	I			Cake	Annual Max	4600 DNQ		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	7200	18000
		8270C		Dewatering	Annual Mean	<7200		
				Cake	Annual Max	<7200		
	4-	EPA	μg/kg	Plant 1	01/12/2021		1000	2500
	Methylpheno		µg/Ng	Dewatering	Annual Mean	1100 DNQ	1000	2000
	I wet weight	02100		Cake				
	wet weight	ED4			Annual Max	1100 DNQ	2000	4000
		EPA	µg/kg	Plant 2	01/12/2021		2000	4900
		8270C		Dewatering	Annual Mean	<2000		
				Cake	Annual Max	<2000		
	4-	EPA	μg/kg dry	Plant 1	01/12/2021		4200	21000
	Nitroaniline	8270C		Dewatering	04/06/2021	ND	6900	21000
				Cake	07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021		7200	35000
		8270C	µg/kg di y	Dewatering	04/06/2021		5700	17000
			Cake 07/20/2021 ND Annual Mean <11000				11000	34000
				11000	34000			
					Annual Max	<11000		
	4-	EPA	µg/kg	ug/kg Plant 1 Dewatering Cake	01/12/2021		1000	5000
	Nitroaniline	8270C			04/06/2021	ND	1600	4900
	wet weight				07/20/2021	ND	3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2000	9800
		8270C	. 5 5	Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3100	9500
					Annual Mean	<3100	0.00	3000
					Annual Max	<3100		
	4	ED4		Diort 1			24000	40000
	4-	EPA	μg/kg dry	Plant 1	01/12/2021		21000	42000
	Nitrophenol	8270C		Dewatering	04/06/2021		15000	42000
				Cake	07/20/2021		59000	80000
					Annual Mean	<59000		
					Annual Max	<59000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	35000	72000
		8270C		Dewatering	04/06/2021	ND	12000	35000
				Cake	07/20/2021	ND	49000	67000
					Annual Mean	<49000		
					Annual Max	<49000		
	4-	EPA	μg/kg	Plant 1	01/12/2021		5000	10000
		8270C	r9' '\9	Dewatering	04/06/2021		3400	9900
	wet weight	32100		Cake				
	wei weigiii			Cane	07/20/2021		14000	19000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	µg/kg	Plant 2	01/12/2021	ND	9800	20000
		8270C		Dewatering	04/06/2021	ND	3400	9900
				Cake	07/20/2021		14000	19000
					Annual Mean	<14000		
					Annual Max	<14000		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Acenaphthe	EPA	μg/kg dry	Plant 1	01/12/2021	ND	5500	11000
	ne	8270C		Dewatering	04/06/2021	ND	6400	0 21000 00 41000 01 18000 01 17000 00 34000 01 2500 01 4900 01 4900 01 4900 01 41000 01 17000 01 18000 01 17000 01 17000 01 18000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000 01 17000
				Cake	07/20/2021	ND	12000	
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	ua/ka drv	Plant 2	01/12/2021		9400	18000
		8270C	mg/g)	Dewatering	04/06/2021		5300	
		02.00		Cake	07/20/2021		10000	
				Garto	Annual Mean	<10000	10000	04000
					Annual Max	<10000		
	A same platter	EPA	//	Plant 1	01/12/2021		1300	2500
	Acenaphthe ne wet	8270C	μg/kg dry  μg/kg  μg/kg dry  μg/kg dry  μg/kg dry  μg/kg	Dewatering				
		8270C			04/06/2021		1500	
	weight			Cake	07/20/2021		2900	9600
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA	μg/kg	Plant 2	01/12/2021		2600	
		8270C		Dewatering	04/06/2021	ND	1500	4900
				Cake	07/20/2021	ND	2900	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	Acenaphthyl	EPA	ua/ka drv	Plant 1	01/12/2021		2200	11000
	ene	8270C	ניש פיי פיין	Dewatering	04/06/2021		6900	
				Cake	07/20/2021		13000	
					Annual Mean	<13000	10000	71000
					Annual Max	<13000		
		EDA.	/	Plant 2			2600	10000
		EPA μg/kg dry 8270C	µg/kg ary	Dewatering	01/12/2021		3600	
					04/06/2021		5700	
			Cake	07/20/2021		11000	34000	
	Acenaphthyl [			Annual Mean	<11000			
					Annual Max	<11000		
				Plant 1 Dewatering Cake	01/12/2021	ND	520	
	ene wet	8270C			04/06/2021	ND	1600	4900
	weight				07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA	µg/ka	/kg Plant 2 Dewatering	01/12/2021		1000	4900
		8270C			04/06/2021		1600	
				Cake	07/20/2021		3000	
					Annual Mean	<3000	0000	0000
					Annual Max	<3000		
	Aniline	EPA	ua/ka dar	Plant 1	01/12/2021		5000	21000
	Armine		µg/kg dry				5900	
		8270C		Dewatering	04/06/2021		21000	
				Cake	07/20/2021		30000	41000
					Annual Mean	<30000		
					Annual Max	<30000		
		EPA	μg/kg dry	Plant 2	01/12/2021		10000	
		8270C		Dewatering	04/06/2021		17000	17000
				Cake	07/20/2021	ND	25000	34000
					Annual Mean	<25000		
					Annual Max	<25000		
	Aniline wet	EPA	µg/kg	Plant 1	01/12/2021		1400	5000
	weight	8270C	, 5- 5	Dewatering	04/06/2021		4900	4900
				Cake	07/20/2021		7200	9600
				Jane	Annual Mean	<7200	7 200	3000
					Annual Max	<7200 <7200		
		ED4	ua/le-	Dlort 0			2000	0000
		EPA	µg/kg	Plant 2	01/12/2021		2800	9800
		8270C		Dewatering	04/06/2021		4900	4900
				Cake	07/20/2021		7100	9500
					Annual Mean	<7100		
			1	1	Annual Max	<7100		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Anthracene	EPA	µg/ka drv		01/12/2021	ND	2500	
		8270C	, 5 5,	Dewatering	04/06/2021		ID	
				Cake	07/20/2021			41000
					Annual Mean	<14000	1.200	1.000
					Annual Max	<14000		
		EPA	ua/ka drv	Plant 2	01/12/2021		4300	RL 11000 21000 41000  18000 17000 34000  2500 4900 9600  11000 21000 41000  18000 17000 34000  18000 17000 18000 11000 18000 11000 18000 17000 18000 17000 18000
		8270C	rg, ng ary		04/06/2021			
		32.00						
				330			1 1000	04000
	Anthracene	EPA	μg/kg dry       Plant 2 Dewatering Cake         μg/kg       Plant 1 Dewatering Cake         μg/kg dry       Plant 2 Dewatering Cake         μg/kg dry       Plant 2 Dewatering Cake         μg/kg dry       Plant 2 Dewatering Cake         μg/kg       Plant 1 Dewatering Cake         μg/kg       Plant 2 Dewatering Cake         μg/kg       Plant 1 Dewatering Cake         μg/kg dry       Plant 1 Dewatering Cake         μg/kg dry       Plant 1 Dewatering Cake         μg/kg dry       Plant 1 Dewatering Cake	Plant 1			600	2500
	wet weight	8270C	µg/kg		07/20/2021         ND         11000         3           Annual Mean         <11000			
	Wot Worgin	32,00		_				
				June			3200	9000
		ED4	ualka	Plant 2			1200	4000
		EPA 8270C	µg/кg					
		02/00						
				Cake			3100	9500
							0000	
	Azobenzene/		µg/kg dry					
	1,2-	8270C		_				
	Diphenylhyd			Саке			24000	41000
	razine							
		EPA	µg/kg dry					
		8270C		Dewatering				
			Cake			20000	34000	
	Azobenzene/ I			Annual Mean				
					Annual Max	<20000		
		/ EPA μg/kg 8270C	μg/kg	Dewatering	01/12/2021	ND	520	
	1,2-				04/06/2021	ND	1400	4900
	Diphenylhyd			Cake	07/20/2021	ND	5700	9600
	razine wet				Annual Mean	<5700		4900
	weight				Annual Max	<5700		
		EPA	μg/kg		01/12/2021	ND	1000	4900
		8270C		Dewatering	04/06/2021	ND	1400	4900
				Cake	07/20/2021	ND	5600	9500
					Annual Mean	<5600		
					Annual Max	<5600		
	Benz(a)anth	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2200	11000
	racene	8270C		Dewatering	04/06/2021			21000
					07/20/2021			
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	µg/kg drv	Plant 2	01/12/2021		3600	18000
		8270C	, 5 5 ,	Dewatering	04/06/2021			
					07/20/2021			
					Annual Mean	<11000	11000	1.300
					Annual Max	<11000		
	Benz(a)anth	FPA	μg/kg	Plant 1	01/12/2021		520	2500
	racene wet	8270C	r9' '\9	Dewatering	04/06/2021		1700	
	weight	32,00		Cake	07/20/2021		3300	
	Worgi it			June	Annual Mean	<3300	3300	9000
		ED4		Dlast 0	Annual Max	<3300	1000	4000
		EPA	μg/kg	Plant 2	01/12/2021		1000	
		8270C		Dewatering	04/06/2021		1700	
				Cake	07/20/2021		3200	9500
					Annual Mean	<3200		
			1	1	Annual Max	<3200		

У	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
E	Benzidine	EPA	μg/kg dry	Plant 1	01/12/2021	ND	7100	55000
		8270C		Dewatering	04/06/2021	ND	52000	130000
				Cake	07/20/2021	ND	38000	240000
					Annual Mean	<52000		1
					Annual Max	<52000		
		EPA	ua/ka dry	Plant 2	01/12/2021		12000	94000
		8270C	μg/kg  C μg/kg  C μg/kg dry  C μg/kg dry	Dewatering	04/06/2021		42000	110000
		02700		Cake	07/20/2021		32000	200000
				Care			32000	200000
					Annual Mean	<42000		
-			,,		Annual Max	<42000		
	Benzidine	EPA	µg/kg	Plant 1	01/12/2021		1700	13000
V	wet weight	8270C		Dewatering	04/06/2021		12000	30000
				Cake	07/20/2021	ND	9100	58000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	μg/kg	Plant 2	01/12/2021	ND	3300	26000
		8270C		Dewatering	04/06/2021	ND	12000	30000
				Cake	07/20/2021		9000	57000
					Annual Mean	<12000	0000	0.000
					Annual Max	<12000		
-	20n70/0\n:	EDA	ua/ka dar	Plant 1	01/12/2021		2100	11000
	Benzo(a)pyr	8270C	µg/kg ary	Dewatering				
E	ene	82700			04/06/2021		7300	21000
				Cake	07/20/2021		14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	3500	18000
		8270C		Dewatering	04/06/2021	ND	6000	17000
			Cake	07/20/2021	ND	12000	34000	
	Benzo(a)pyr I				Annual Mean	<12000		
				Annual Max	<12000			
F		EPA	A µg/kg	Plant 1	01/12/2021		500	2500
	ene wet	8270C		Dewatering Cake	04/06/2021		1700	4900
	weight				07/20/2021		3300	9600
					Annual Mean	<3300	0000	5000
					Annual Max	<3300		
		EDA	ualka	Dlant 0			980	4900
		EPA	µg/kg	Plant 2	01/12/2021			
		8270C		Dewatering	04/06/2021		1700	4900
				Cake	07/20/2021		3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		
E	Benzo(b)fluo		µg/kg dry	Plant 1	01/12/2021		2200	11000
r	anthene	8270C		Dewatering	04/06/2021	ND	6400	21000
				Cake	07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021		3600	18000
		8270C	ניש פיי פיין	Dewatering	04/06/2021		5300	17000
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000	1 1000	U-1000
-	Danse (I- \fl.		//	Dlant 4	Annual Max	<11000	F20	2522
	Benzo(b)fluo		µg/kg	Plant 1	01/12/2021		520	2500
	anthene wet	8270C		Dewatering	04/06/2021		1500	4900
۷	weight			Cake	07/20/2021		3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C		Dewatering	04/06/2021		1500	4900
				Cake	07/20/2021		3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
			1		Alliudi Max	~3UUU		1

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Benzo(g,h,i)	EPA	μg/kg dry	Plant 1	01/12/2021	ND	3400	11000
	perylene	8270C		Dewatering	04/06/2021		7300	
	, ,			Cake	07/20/2021		14000	
					Annual Mean	<14000		1.000
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021		5800	18000
		8270C	µg/kg diy	Dewatering	04/06/2021		6000	
		02700		Cake			12000	
				Cake	07/20/2021		12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	(0 ,	EPA	µg/kg	Plant 1	01/12/2021		820	
	perylene wet	8270C		Dewatering	04/06/2021		1700	
	weight			Cake	07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1600	4900
		8270C		Dewatering	04/06/2021	ND	1700	4900
				Cake	07/20/2021		3300	
					Annual Mean	<3300	1220	1000
					Annual Max	<3300		
	Benzo(k)fluo	FΡΔ	μg/kg dry	Plant 1	01/12/2021		2200	11000
	ranthene	8270C	µg/kg ury	Dewatering	04/06/2021		7700	
	i ai ili ici ic	02100		Cake				
				Cake	07/20/2021		15000	41000
					Annual Mean	<15000		
					Annual Max	<15000		
		EPA	µg/kg dry	Plant 2	01/12/2021		3600	4900 9500 11000 21000 41000 18000 17000 34000 2500 4900 9600 4900 9500 32000 86000 160000 54000 71000 130000 38000 15000
		8270C		Dewatering	04/06/2021		6400	
			Cake	07/20/2021	ND	12000	34000	
	Benzo(k)fluo I				Annual Mean	<12000		
				Annual Max	<12000			
		EPA	μg/kg	Plant 1	01/12/2021	ND	520	2500
	ranthene wet		μg/kg	Dewatering Cake	04/06/2021		1800	
	weight				07/20/2021		3500	
	3				Annual Mean	<3500	0000	
					Annual Max	<3500		
		EPA	μg/kg		01/12/2021		1000	4000
		8270C	µg/kg	Dewatering	04/06/2021		1800	
		02100		Cake				
				Care	07/20/2021		3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	Benzoic acid		µg/kg dry	Plant 1	01/12/2021		15000	
		8270C		Dewatering	04/06/2021		24000	
				Cake	07/20/2021	ND	46000	160000
					Annual Mean	<46000		
					Annual Max	<46000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	26000	54000
		8270C	. 5 5 ,	Dewatering	04/06/2021		19000	
				Cake	07/20/2021		39000	
					Annual Mean	<39000	55555	.55550
					Annual Max	<39000		
	Benzoic acid	EDA	ualka	Plant 1	01/12/2021		3600	7500
		8270C	µg/kg					
	wet weight	02/00		Dewatering	04/06/2021		5500	
				Cake	07/20/2021		11000	38000
					Annual Mean	<11000		
					Annual Max	<11000		
		EPA	µg/kg	Plant 2	01/12/2021	ND	7100	15000
		8270C		Dewatering	04/06/2021		5500	20000
				Cake	07/20/2021	ND	11000	38000
		Cake						
					Annual Mean	<11000		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Benzyl	EPA	μg/kg dry	Plant 1	01/12/2021	ND	17000	55000
	alcohol	EPA   μg/kg dry   Plant 1   01/12/2021   ND   17000   6400   07/20/2021   ND   13000   Annual Max   417000   Annual Max   429000   Annual Max   429000   Annual Max   4100   Annual Max	6400	21000				
				Cake	07/20/2021	ND	13000	41000
		FDΔ	μg/kg dry F  C  L  L  L  L  L  L  L  L  L  L  L  L	Plant 2			20000	94000
			μg/kg diy					17000
		02700						
				Cake			10000	34000
	Benzyl		µg/kg	1				13000
	alcohol wet	8270C					1500	4900
	weight			Cake		ND	3000	9600
					Annual Mean	<4100		
					Annual Max	<4100		
		EPA	µg/kg	Plant 2	01/12/2021	ND	8100	26000
			13 3	Dewatering				4900
								9500
								2000
	Bis(2-	EDA	ua/ka da	Diant 1			4200	11000
			µg/kg ary					
		02/00						21000
	)methane		Cake			12000	41000	
			μg/kg dry		01/12/2021	ND		18000
		8270C		_	04/06/2021	ND	4900	17000
			Cake	07/20/2021	ND	9900	34000	
	Bis(2-				Annual Mean	<9900		
				Annual Max	<9900			
		FPA	ua/ka	Plant 1	01/12/2021	ND	1000	2500
	chloroethoxy		µg/кд	Dewatering				4900
	)methane							9600
	wet weight						2000	3000
					Annual Max	<2800		
		EPA	//		01/12/2021		2000	4000
			µg/кg				2000	4900
		8270C		Dewatering Cake	04/06/2021		1400	4900
					07/20/2021		2800	9500
					Annual Mean	<2800		
					Annual Max	<2800		
	Bis(2-	EPA	µg/kg dry	Plant 1	01/12/2021		2200	11000
	chloroethyl)e	8270C		Dewatering	04/06/2021	ND	7300	21000
	ther			Cake	07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	ug/ka drv	Plant 2	01/12/2021		3600	18000
		8270C	ליים פיייפייו	Dewatering	04/06/2021		6000	17000
		32.00		Cake	07/20/2021		12000	34000
				June	Annual Mean	<12000	12000	34000
								-
	D: (0	ED A	/1	DI ( )	Annual Max	<12000	500	0500
	Bis(2-	EPA	μg/kg	Plant 1	01/12/2021		520	2500
	chloroethyl)e	8270C		Dewatering	04/06/2021		1700	4900
	ther wet			Cake	07/20/2021	ND	3300	9600
	weight				Annual Mean	<3300		
					Annual Max	<3300		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C	. 5 5	Dewatering	04/06/2021		1700	4900
				Cake	07/20/2021		3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Bis(2-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	4200	11000
		8270C	,	Dewatering	04/06/2021		6400	21000
	pyl)ether			Cake	07/20/2021		12000	R 00 11000 00 21000 00 18000 00 17000 00 34000 00 4900 00 4900 00 4900 00 11000 00 17000 00 11000 00 17000 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 17000 00 17000 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900 00 4900
	. , ,				Annual Mean	<12000		1.500
					Annual Max	<12000		
		EPA	μg/kg dry	Plant 2	01/12/2021		7200	18000
		8270C	µg/ng ury	Dewatering	04/06/2021		4200 1100 6400 2100 12000 4100 12000 1800 5300 1700 10000 3400 1500 4900 2900 9600 2900 9500 2900 1100 7700 2100 15000 4100 4700 1800 6400 1700 12000 3400 680 2500 1800 4900 3500 9600 1300 4900 3500 9600 1300 4900 3400 9500 14000 4100 4300 1800 6900 2100 6900 2100 6900 2100 6900 1700	
		02100		Cake	07/20/2021			
				Jake			10000	54000
					Annual Mean	<10000		
	D:- (C	ED4		Diam ( 4	Annual Max	<10000	4000	0500
	Bis(2-	EPA	μg/kg	Plant 1	01/12/2021			RI 00 11000 00 21000 000 41000 000 34000 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900 000 4900
		8270C		Dewatering	04/06/2021			
	pyl)ether wet			Cake	07/20/2021		2900	9600
	weight				Annual Mean	<2900		
					Annual Max	<2900		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2000	4900
		8270C		Dewatering	04/06/2021	ND	1500	4900
				Cake	07/20/2021	ND		9500
					Annual Mean	<2900		
					Annual Max	<2900		
	Bis(2-	EPA	μg/kg dry	Plant 1	01/12/2021		2900	11000
	ethylhexyl)p	8270C	pg/ng ury	Dewatering	04/06/2021			
	hthalate	32,00		Cake	07/20/2021			
	THIAIGIG			Jake		43000	15000	41000
					Annual Mean			
		ED.	, .	DI ( )	Annual Max	51000	4700	40000
		EPA	μg/kg dry	Plant 2	01/12/2021			
			Dewatering	04/06/2021				
			Cake	07/20/2021		12000	34000	
	Bis(2-		Саке		Annual Mean	40000		
				Annual Max	47000			
		EPA	µg/kg	Plant 1	01/12/2021	9800	680	2500
	ethylhexyl)p	8270C		Dewatering	04/06/2021			
	hthalate wet			Cake	07/20/2021			
	weight				Annual Mean	10000		1
					Annual Max	12000		
		EPA	μg/kg	Plant 2	01/12/2021		1300	4900
		8270C	µg/Ng	Dewatering	04/06/2021			
		02100		Cake				
				Care	07/20/2021		3400	9500
					Annual Mean	11000		
					Annual Max	13000		
	Butyl benzyl	EPA	µg/kg dry	Plant 1	01/12/2021			
	phthalate	8270C		Dewatering	04/06/2021			
				Cake	07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	4300	18000
		8270C	. 5 5 ,	Dewatering	04/06/2021			
				Cake	07/20/2021			_
					Annual Mean	<11000	1.000	34000
					Annual Max	<11000		
	Dutyl bernil	ED^	ualka	Diant 1			600	2500
	Butyl benzyl	EPA	µg/kg	Plant 1	01/12/2021		600	
	phthalate	8270C		Dewatering	04/06/2021		1600	
	wet weight			Cake	07/20/2021		3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1200	4900
		8270C	_	Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Chrysene	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2400	11000
	J, 2.2	8270C	J. 3 3 ,	Dewatering	04/06/2021		7300	21000
				Cake	07/20/2021		14000	41000
				June	Annual Mean	<14000	14000	71000
					Annual Max	<14000		
		ED4	u au/lean alme	Plant 2			4000	10000
		EPA	µg/kg dry		01/12/2021		4000	18000
		8270C		Dewatering	04/06/2021		6000	17000
				Cake	07/20/2021		12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Chrysene	EPA	μg/kg	Plant 1	01/12/2021	ND	560	2500
	wet weight	8270C		Dewatering	04/06/2021	ND	1700	4900
				Cake	07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA	µg/kg	Plant 2	01/12/2021		1100	4900
			µg/kg					
		8270C		Dewatering	04/06/2021		1700	4900
				Cake	07/20/2021		3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	Dibenz(a,h)a	EPA	µg/kg dry	Plant 1	01/12/2021	3800 DNQ	3200	11000
		8270C		Dewatering	04/06/2021	ND	20000	21000
				Cake	07/20/2021	ND	38000	41000
					Annual Mean	21000 DNQ	00000	71000
					Annual Max	3800 DNQ		
		EDA.	/Icas almir	Diant 0			E400	10000
		EPA	µg/kg dry	Plant 2	01/12/2021		5400	18000
		8270C		Dewatering	04/06/2021		17000	17000
			Cake	07/20/2021		32000	34000	
					Annual Mean	18000 DNQ		
				Annual Max	6500 DNQ			
	Dibenz(a,h)a	EPA	μg/kg	Plant 1	01/12/2021	910 DNQ	750	2500
	nthracene	8270C		Dewatering	04/06/2021		4700	4900
	wet weight			Cake Plant 2 Dewatering	07/20/2021		9100	9600
	3				Annual Mean	4900 DNQ	0.00	
					Annual Max	910 DNQ		
		EPA	ua/ka		01/12/2021		1500	4900
		8270C	µg/kg					
		02/00			04/06/2021		4700	4900
				Cake	07/20/2021		9000	9500
					Annual Mean	5200 DNQ		
					Annual Max	1800 DNQ		
	Dibenzofura	EPA	μg/kg dry	Plant 1	01/12/2021	ND	5900	11000
	n	8270C		Dewatering	04/06/2021	ND	6900	21000
				Cake	07/20/2021		13000	41000
					Annual Mean	<13000		11000
					Annual Max	<13000		
		EPA	ua/ka day	Plant 2			10000	18000
			µg/kg dry		01/12/2021			
		8270C		Dewatering	04/06/2021		5700	17000
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Dibenzofura	EPA	μg/kg	Plant 1	01/12/2021	ND	1400	2500
	n wet weight	8270C		Dewatering	04/06/2021	ND	1600	4900
				Cake	07/20/2021		3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		ED4	ua/le-	Diant 0			2000	4000
		EPA	µg/kg	Plant 2	01/12/2021		2800	4900
		8270C		Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Diethyl	EPA	μg/kg dry	Plant 1	01/12/2021	ND	3000	11000
	phthalate	8270C	,	Dewatering	04/06/2021		6400	21000
				Cake	07/20/2021		13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	ua/ka dry	Plant 2	01/12/2021		5000	18000
		8270C	μg/kg dry Plan Dev Cak  μg/kg dry Plan Dev Cak  μg/kg Plan Dev Cak  μg/kg dry Plan Dev Cak  μg/kg dry Plan Dev Cak  μg/kg dry Plan Dev Cak  μg/kg dry Plan Dev Cak	Dewatering	04/06/2021		5300	17000
		02/00						
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000		
			Lo         μg/kg dry       Plant Dewa Cake         μg/kg dry       Plant Dewa Cake         μg/kg       Plant Dewa Cake         μg/kg       Plant Dewa Cake         μg/kg dry       Plant Dewa Cake         μg/kg       Plant Dewa Cake         μg/kg       Plant Dewa Cake         μg/kg       Plant Dewa Cake         μg/kg dry       Plant Dewa Cake         μg/kg dry       Plant Dewa Cake         μg/kg dry       Plant Dewa Cake         μg/kg       Plant Dewa Cake		Annual Max	<11000		
	Diethyl	EPA	µg/kg		01/12/2021		710	2500
	phthalate	8270C		Dewatering	04/06/2021		1500	4900
	wet weight			Cake	07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1400	4900
		8270C		Dewatering	04/06/2021	ND	1500	4900
				Cake	07/20/2021		3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Dimethyl	EPA	ua/ka day	Plant 1	01/12/2021		2100	11000
	phthalate	8270C	µg/kg diy	Dewatering	04/06/2021		6400	21000
	primalate	02100						
				Cake	07/20/2021		13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	µg/kg dry	Plant 2	01/12/2021		3500	18000
		8270C		Dewatering	04/06/2021		5300	17000
			Cake	07/20/2021	ND	10000	34000	
	Dimethyl				Annual Mean	<10000		
					Annual Max	<10000		
		EPA	μg/kg	Plant 1	01/12/2021	ND	500	2500
	phthalate	8270C	. 5 5	Dewatering	04/06/2021		1500	4900
	wet weight			Cake	07/20/2021		3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA	ua/ka	Plant 2	01/12/2021		980	4900
		8270C	µg/kg		04/06/2021		1500	4900
		02100		Dewatering Cake				
				Care	07/20/2021		2900	9500
					Annual Mean	<2900		
			,,		Annual Max	<2900		
	Di-n-butyl	EPA	µg/kg dry	Plant 1	01/12/2021		2900	11000
	phthalate	8270C		Dewatering	04/06/2021		7300	21000
				Cake	07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	4700	18000
		8270C	. 5 5 ,	Dewatering	04/06/2021		6000	17000
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000		2.000
					Annual Max	<11000		
	Di-n-butyl	EPA	ua/ka	Plant 1	01/12/2021		680	2500
		8270C	µg/kg					
	phthalate	02/00		Dewatering	04/06/2021		1700	4900
	wet weight			Саке	07/20/2021		3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA	µg/kg	Plant 2	01/12/2021	ND	1300	4900
		8270C		Dewatering	04/06/2021		1700	4900
				Cake	07/20/2021	ND	3200	9500
		Ca						
					Annual Mean	<3200		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
	Di-n-octyl	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2900	11000
	phthalate	8270C		Dewatering			6900	21000
			μg/kg dry   Plant 1   01/12/2021 ND   290	13000	41000			
							10000	11000
		EPA	ua/ka dny	Plant 2			4700	18000
		8270C	µg/kg dry					
		02/00						17000
				Cake			11000	34000
	Di-n-octyl	EPA	µg/kg	1			680	2500
	phthalate	8270C			04/06/2021	ND	1600	4900
	wet weight			Cake	07/20/2021	ND	3000	9600
					Annual Mean	<3000		
						<3000		
		EPA	ua/ka	Plant 2			1300	4900
		8270C	1-33				1600	4900
		32.00		_			3000	9500
				Jako			3000	9300
			/	DI ( )			0700	4.4000
		EPA	µg/kg dry					14000
	е	8270C					6900	21000
				Cake			13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	11000	23000
		8270C		Dewatering	04/06/2021	ND	5700	17000
			De	Cake	07/20/2021	ND	11000	34000
				Cano				
	Fluoranthen E	EDA	ua/ka	Dlant 1			1600	3300
	e wet weight	t 8270C		Cake			1600	4900
					07/20/2021		3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA	μg/kg	Plant 2	01/12/2021	ND	3100	6500
		8270C		Dewatering	04/06/2021	ND	1600	4900
				Cake	07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	Fluorene	EPA	μg/kg dry	Plant 1	01/12/2021		2200	11000
		8270C	~ 5 · · · 9 · · · )	Dewatering	04/06/2021		6900	21000
		32.00		Cake	07/20/2021		14000	41000
				Jako	Annual Mean	<14000	17000	71000
		ED.	,, .	DI 10	Annual Max	<14000	0000	40000
		EPA	µg/kg dry	Plant 2	01/12/2021		3600	18000
		8270C		Dewatering	04/06/2021		5700	17000
				Cake	07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Fluorene wet	EPA	µg/kg	Plant 1	01/12/2021		520	2500
	weight	8270C	U.S	Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3200	9600
				Jako	Annual Mean	<3200	0200	5000
				DI 12	Annual Max	<3200	1000	4
		EPA	µg/kg	Plant 2	01/12/2021		1000	4900
		8270C		Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021	ND	3100	9500
			A 1.8.4	<b>~2100</b>				
					Annual Mean	<3100		

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Hexachlorob	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2200	11000
	enzene	8270C		Dewatering	04/06/2021		6000	21000
				Cake	07/20/2021		12000	41000
					Annual Mean	<12000	.2000	1.000
					Annual Max	<12000		
		EPA	ua/ka dny	Plant 2	01/12/2021		3600	18000
		8270C	μg/kg dry					
		02/00		Dewatering	04/06/2021		4900	17000
				Cake	07/20/2021		9900	34000
					Annual Mean	<9900		
					Annual Max	<9900		
	Hexachlorob		µg/kg	Plant 1	01/12/2021	-	520	2500
	enzene wet	8270C		Dewatering	04/06/2021		1400	4900
	weight			Cake	07/20/2021	ND	2800	9600
					Annual Mean	<2800		
					Annual Max	<2800		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C		Dewatering	04/06/2021	ND	1400	4900
				Cake	07/20/2021		2800	9500
					Annual Mean	<2800	2000	0000
					Annual Max	<2800		
	Hexachlorob	EDA	ua/ka day	Plant 1	01/12/2021		4200	11000
	utadiene	8270C	μg/kg dry	Dewatering				21000
	utadiene	02/00		Cake	04/06/2021		8600	
				Cake	07/20/2021		16000	41000
					Annual Mean	<16000		
					Annual Max	<16000		
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	7200	18000
		8270C		Dewatering	04/06/2021	ND	7100	17000
				Cake	07/20/2021	ND	14000	34000
					Annual Mean	<14000		
					Annual Max	<14000		
	Hexachlorob	Hexachlorob EPA ug/kg	μg/kg	Plant 1	01/12/2021	ND	1000	2500
	utadiene wet		1-33	Dewatering	04/06/2021		2000	4900
	weight			Cake	07/20/2021		3900	9600
				Care	Annual Mean	<3900	0000	0000
					Annual Max	<3900		
		EPA	/1	Plant 2	01/12/2021		2000	4000
			μg/kg	· · · · · · · · · · · · · · · · · · ·			2000	4900
		8270C		Dewatering	04/06/2021		2000	4900
				Cake	07/20/2021		3900	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	Hexachloroc		μg/kg dry	Plant 1	01/12/2021	ND	13000	32000
	yclopentadie	8270C		Dewatering	04/06/2021	ND	12000	42000
	ne			Cake	07/20/2021	ND	23000	80000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA	µg/kg dry	Plant 2	01/12/2021		22000	54000
		8270C	יים מייט מייט	Dewatering	04/06/2021		9900	35000
				Cake	07/20/2021		19000	67000
					Annual Mean	<22000	13000	07000
					Annual Max			
	l leveel-l	ED4		Dient 4		<22000	2400	7500
	Hexachloroc		μg/kg	Plant 1	01/12/2021		3100	7500
	yclopentadie	82/0C		Dewatering	04/06/2021	-	2800	9900
	ne wet			Cake	07/20/2021		5400	19000
	weight				Annual Mean	<5400		
					Annual Max	<5400		
		EPA	μg/kg	Plant 2	01/12/2021	ND	6100	15000
		8270C		Dewatering	04/06/2021	-	2800	9900
				Cake	07/20/2021	-	5400	19000
					Annual Mean	<6100		
					Annual Max	<6100		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Hexachloroe	EPA	μg/kg dry	Plant 1	01/12/2021	ND	2900	11000
	thane	8270C		Dewatering	04/06/2021	ND	5600	42000
				Cake	07/20/2021	ND	22000	80000
					Annual Mean	<22000		
					Annual Max	<22000		
		EPA	μg/kg dry	Plant 2	01/12/2021		5000	18000
		8270C	µg/kg diy	Dewatering	04/06/2021		4600	35000
		0270C		Cake				
				Cake	07/20/2021		18000	67000
					Annual Mean	<18000		
					Annual Max	<18000		
	Hexachloroe		µg/kg	Plant 1	01/12/2021		700	2500
	thane wet	8270C		Dewatering	04/06/2021	ND	1300	9900
	weight			Cake	07/20/2021	ND	5200	19000
					Annual Mean	<5200		
					Annual Max	<5200		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1400	4900
		8270C	1.3.1.3	Dewatering	04/06/2021		1300	9900
		, , , , , ,		Cake	07/20/2021		5100	19000
					Annual Mean	<5100	0100	13000
	1 1 (4 0 0	ED 4	/1 1	DI 14	Annual Max	<5100	4400	11000
	Indeno(1,2,3-		µg/kg dry	Plant 1	01/12/2021		4100	11000
	cd)pyrene	8270C		Dewatering	04/06/2021		8600	21000
				Cake	07/20/2021		17000	41000
					Annual Mean	<17000		
					Annual Max	<17000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	6800	18000
		8270C	'0C   100 j	Dewatering Cake	04/06/2021	ND	7100	17000
					07/20/2021	ND	14000	34000
	Indeno(1 2 3 E				Annual Mean	<14000	1.000	
					Annual Max	<14000		
		EDA	ua/ka	Plant 1			000	2500
	Indeno(1,2,3-	3- EPA μg/kg 8270C		01/12/2021		980	2500	
	cd)pyrene	8270C		Dewatering Cake	04/06/2021		2000	4900
	wet weight				07/20/2021		4000	9600
					Annual Mean	<4000		
					Annual Max	<4000		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1900	4900
		8270C		Dewatering	04/06/2021	ND	2000	4900
				Cake	07/20/2021	ND	3900	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	Isophorone	EPA	μg/kg dry	Plant 1	01/12/2021		2100	11000
	100pi loi oi le	8270C	May My ury	Dewatering	04/06/2021		7300	21000
		02100		Cake				
				Cane	07/20/2021		14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	µg/kg dry	Plant 2	01/12/2021		3500	18000
		8270C		Dewatering	04/06/2021	ND	6000	17000
				Cake	07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Isophorone	EPA	μg/kg	Plant 1	01/12/2021		500	2500
	wet weight	8270C	פיי יש־ו	Dewatering	04/06/2021		1700	4900
		32700		Cake	07/20/2021		3400	9600
				Cane			3400	9000
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA	µg/kg	Plant 2	01/12/2021		980	4900
		8270C		Dewatering	04/06/2021		1700	4900
				Cake	07/20/2021	ND	3300	9500
			A 1.8.4	~3300				
					Annual Mean	<3300		

	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
	Kepone wet	EPA	µg/kg	Plant 1	01/12/2021	ND	7500	40000
	weight	8270C	1 3 3	Dewatering	Annual Mean	<7500		
				Cake	Annual Max	<7500		
		EPA μg/kg 8270C  EPA μg/kg 8270C	µg/kg	Plant 2	01/12/2021		15000	79000
			100	Dewatering	Annual Mean	<15000		RL
				Cake	Annual Max	<15000		00
	Naphthalene	EPA	μg/kg dry	Plant 1	01/12/2021		2100	11000
	'		13 3 7	Dewatering	04/06/2021		6900	
				Cake	07/20/2021		13000	
					Annual Mean	<13000		
					Annual Max	<13000		
		FPA	μg/kg dry	Plant 2	01/12/2021		3500	18000
			F9/119 41.)	Dewatering	04/06/2021		5700	
				Cake	07/20/2021		11000	
					Annual Mean	<11000	11000	0,000
					Annual Max	<11000		
	Naphthalene	FΡΔ	ua/ka	Plant 1	01/12/2021		500	2500
	wet weight		r9' '\9	Dewatering	04/06/2021		1600	
	.voc vvoigili	32,00		Cake	07/20/2021		3100	
				Jako	Annual Mean	<3100	5100	19000
					Annual Mean Annual Max	<3100		
		ED^	ua/ka	Plant 2			000	4000
			µg/kg		01/12/2021		980	
		02100		Dewatering Cake	04/06/2021 07/20/2021		1600 3100	
				Cake			3100	19000
					Annual Mean	<3100		
	N. 1.	ED.4	/1	D	Annual Max	<3100	2000	11000
			µg/kg dry	Plant 1	01/12/2021		2200	
	е	8270C		Dewatering	04/06/2021		7300	
				Cake	07/20/2021		14000	41000
		EDA ua/ka day		Annual Mean	<14000			
				Annual Max	<14000			
			μg/kg dry	Plant 2	01/12/2021		3600	
		8270C		Dewatering	04/06/2021		6000	
				Cake	07/20/2021		11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Nitrobenzen		µg/kg	Plant 1	01/12/2021		520	
	e wet weight	8270C		Dewatering	04/06/2021		1700	
				Cake	07/20/2021		3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
			μg/kg	Plant 2	01/12/2021	ND	1000	
		8270C		Dewatering	04/06/2021	ND	1700	
				Cake	07/20/2021	ND	3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		
	N-		μg/kg dry	Plant 1	01/12/2021	ND	2200	11000
	Nitrosodimet	8270C		Dewatering	04/06/2021	ND	25000	86000
	hylamine			Cake	07/20/2021	ND	46000	160000
					Annual Mean	<46000		
					Annual Max	<46000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	3600	18000
		8270C	. 5 5 ,	Dewatering	04/06/2021		20000	
				Cake	07/20/2021		39000	
					Annual Mean	<39000		
					Annual Max	<39000		
	N-	EPA	μg/kg	Plant 1	01/12/2021		520	2500
	Nitrosodimet		פיי יפייו	Dewatering	04/06/2021		5800	
					07/20/2021		11000	38000
	hylamine		Cake					
	hylamine wet weight			Care	Annual Mean	<11000	1.000	

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C	F-9/ 1.9	Dewatering	04/06/2021		5800	20000
				Cake	07/20/2021		11000	38000
				June	Annual Mean	<11000	11000	30000
					Annual Max	<11000		
	NI Niitraaa di	FD4	/Iran almir	Plant 1			2200	11000
	N-Nitroso-di-		μg/kg dry		01/12/2021		2200	11000
	n-	8270C		Dewatering	04/06/2021		6000	42000
	propylamine			Cake	07/20/2021		12000	80000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	3600	18000
		8270C		Dewatering	04/06/2021	ND	4900	35000
				Cake	07/20/2021	ND	9500	67000
					Annual Mean	<9500		
					Annual Max	<9500		
	N-Nitroso-di-	EDΔ	μg/kg	Plant 1	01/12/2021		520	2500
	n-	8270C	μg/kg					
		02100		Dewatering Cake	04/06/2021		1400	9900
	propylamine			Care	07/20/2021		2800	19000
	wet weight				Annual Mean	<2800		
					Annual Max	<2800		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1000	4900
		8270C		Dewatering	04/06/2021	ND	1400	9900
				Cake	07/20/2021	ND	2700	19000
					Annual Mean	<2700		
					Annual Max	<2700		
	N-	EPA	μg/kg dry	Plant 1	01/12/2021		6700	21000
	Nitrosodiphe		µg/kg di y	Dewatering	04/06/2021		6900	21000
	nylamine	02100		_	07/20/2021		13000	41000
	nyiamine		Cake	Cake			13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	11000	35000
		8270C		Dewatering	04/06/2021	ND	5700	17000
				Cake	07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	N-	EPA	μg/kg	Plant 1	01/12/2021	ND	1600	5000
	Nitrosodiphe	8270C		Dewatering	04/06/2021	ND	1600	4900
	nylamine			Cake	07/20/2021		3100	9600
	wet weight			J Gaire	Annual Mean	<3100	0100	3000
					Annual Max	<3100		
		ED4		Diant C			2400	0000
		EPA	μg/kg	Plant 2	01/12/2021		3100	9800
		8270C		Dewatering	04/06/2021		1600	4900
				Cake	07/20/2021		3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	Pentachloro	EPA	μg/kg dry	Plant 1	01/12/2021	ND	11000	21000
	phenol	8270C		Dewatering	04/06/2021	ND	42000	86000
				Cake	07/20/2021		80000	16000
					Annual Mean	<80000	1	3220
					Annual Max	<80000		
		EPA	μg/kg dry	Plant 2	01/12/2021		18000	35000
		8270C	µg/kg ui y	Dewatering				
		02100		_	04/06/2021		34000	71000
				Cake	07/20/2021		67000	13000
					Annual Mean	<67000		
					Annual Max	<67000		
	Pentachloro	EPA	µg/kg	Plant 1	01/12/2021	ND	2600	5000
	phenol wet	8270C		Dewatering	04/06/2021	ND	9700	20000
	weight			Cake	07/20/2021		19000	38000
					Annual Mean	<19000		
					Annual Max	<19000		
						> 15000D		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
		EPA	μg/kg	Plant 2	01/12/2021	ND	5100	9800
		8270C		Dewatering	04/06/2021		9700	20000
				Cake	07/20/2021		19000	38000
					Annual Mean	<19000		
					Annual Max	<19000		
	Phenanthren	EDΔ	μg/kg dry	Plant 1	01/12/2021		6300	14000
	e	8270C	µg/kg diy	Dewatering	04/06/2021		6400	21000
	E	02700		Cake				
				Cake	07/20/2021		13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA	µg/kg dry	Plant 2	01/12/2021		10000	23000
		8270C		Dewatering	04/06/2021		5300	17000
				Cake	07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Phenanthren	EPA	μg/kg	Plant 1	01/12/2021	ND	1500	3300
	e wet weight	8270C		Dewatering	04/06/2021	ND	1500	4900
				Cake	07/20/2021		3000	9600
					Annual Mean	<3000		5550
					Annual Max	<3000		
		EDA	ualka	Plant 2	01/12/2021		2000	6500
		EPA	μg/kg				2900	6500
		8270C		Dewatering	04/06/2021		1500	4900
				Cake	07/20/2021		3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Phenol	EPA	μg/kg dry	Plant 1	01/12/2021	32000	2900	11000
		8270C		Dewatering	04/06/2021	6900 DNQ	6400	42000
				Cake	07/20/2021	ND	26000	80000
	EPA μg/		Cake		Annual Mean	22000 DNQ		
					Annual Max	32000		
		μg/kg dry F	Plant 2	01/12/2021		4700	18000	
		8270C	~9, ···9 ··· y	Dewatering	04/06/2021		5300	35000
		32.00		Cake	07/20/2021		21000	67000
				Jako	Annual Mean	<21000	21000	0,000
	Dharret	ED4		Dlagt 4	Annual Max	<21000	600	0500
	Phenol wet	EPA	μg/kg	Plant 1	01/12/2021		680	2500
	weight	8270C		Dewatering	04/06/2021		1500	9900
				Cake	07/20/2021		6100	19000
					Annual Mean	5100 DNQ		
					Annual Max	7500		
		EPA	μg/kg	Plant 2	01/12/2021	ND	1300	4900
		8270C		Dewatering	04/06/2021	ND	1500	9900
				Cake	07/20/2021		6000	19000
					Annual Mean	<6000	1 3 2 2	
					Annual Max	<6000		
	Pyrene	EPA	μg/kg dry	Plant 1	01/12/2021		4200	11000
	, yrone	8270C	pg/ng ury	Dewatering	04/06/2021			21000
		02100		Cake			7300	
				Jake	07/20/2021		14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA	µg/kg dry	Plant 2	01/12/2021		7200	18000
		8270C		Dewatering	04/06/2021	ND	6000	17000
				Cake	07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Pyrene wet	EPA	μg/kg	Plant 1	01/12/2021		1000	2500
	weight	8270C	M9' 1'9	Dewatering	04/06/2021		1700	4900
	Worgi it	32,00		Cake	07/20/2021		3400	9600
				Jake			3400	9000
	1				Annual Mean	<3400		
					Annual Max	<3400		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	µg/kg	Plant 2	01/12/2021	ND	2000	4900
		8270C		Dewatering			1700	4900
				Cake			3300	9500
					Annual Mean	<3300		
			PA	<3300				
	Pyridine	EPA	ua/ka dry	Plant 1			4600	14000
	, y	8270C	F-9/ 9 4 )				6900	
		02.00					39000	
						<39000	00000	00000
						<39000		
		EPA	ua/ka dry	Plant 2			7900	24000
		8270C	µg/kg di y				5700	
		02700		_			33000	
				Gaite		<33000	33000	07000
						<33000		
	Pyridine wet	EDA	/1	Dient 1			1100	2400
	weight		µg/кg				1600	
	weignt	027UC						
				Cake			9300	19000
						<9300		
			/1	DI 10		<9300	2000	0700
		EPA	µg/kg				2200	
		8270C					1600	
				Саке			9300	19000
						<9300		
						<9300		
	Total	EPA	µg/kg dry				4200	
	Cresols	8270C		_	07/20/2021		13000	80000
				Cake	Annual Mean	8800 DNQ		
						4600 DNQ		
		EPA	1.00	Plant 2	01/12/2021	ND	7200	18000
		8270C		Dewatering	04/06/2021	ND	5300	14000 42000 80000 24000 35000 67000 3400 9900 19000 19000 19000 11000 80000 17000 67000 2500 4900 19000 19000 4900 19000
				Cake	07/20/2021	ND	11000	67000
					Annual Mean	<11000		
					Annual Max	<11000		
	Total	EPA	μg/kg	Plant 1	01/12/2021	1100 DNQ	1000	2500
	Cresols wet	8270C		Dewatering	04/06/2021	ND	1500	4900
	weight			Cake	07/20/2021	ND	3000	19000
					Annual Mean	1900 DNQ		
					Annual Max	1100 DNQ		
		EPA	µg/kg	Plant 2			2000	4900
		8270C	. 5 5				1500	
							3000	
						<3000	- 7	
						<3000		
rganochlori	Aldrin	EPA	ua/ka drv	Plant 1			12	41
e		8081A	יים מייט מיין				15	
esticides				_			38	
					Annual Mean	<38		. 10
					Annual Max	<38		
		EPA	μg/kg dry	Plant 2	01/12/2021		10	35
		8081A	pg/ng ally	Dewatering	04/06/2021		12	
		300 IA		Cake	07/20/2021		32	
				June	Annual Mean		JZ	00
						<32		
	A Labadian (	EDA		DI	Annual Max	<32	0.0	0.0
	Aldrin wet	EPA	μg/kg	Plant 1	01/12/2021		2.9	9.8
	weight	8081A		Dewatering	04/06/2021		3.4	9.6
				Cake	07/20/2021		9.0	25
					Annual Mean	<9.0		
	T. Control of the Con				Annual Max	<9.0		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	ua/ka	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	U.S	Dewatering	04/06/2021		3.5	9.8
				Cake	07/20/2021		9.0	25
				Oake			9.0	23
					Annual Mean	<9.0		
			A µg/kg dry A µg/kg dry A µg/kg A µg/kg A µg/kg A µg/kg dry A µg/kg dry A µg/kg dry A µg/kg dry A µg/kg		Annual Max	<9.0		
	alpha-BHC	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	41
		8081A		Dewatering	04/06/2021	ND	15	41
				Cake	07/20/2021	ND	13	110
					Annual Mean	<15		
					Annual Max	<15		
		EPA	ua/ka dny	Plant 2	01/12/2021		10	35
		8081A	µg/kg diy					
		000 IA		Dewatering	04/06/2021		13	35
				Cake	07/20/2021		11	88
					Annual Mean	<13		
					Annual Max	<13		
	alpha-BHC	EPA	µg/kg	Plant 1	01/12/2021	ND	2.9	9.8
	wet weight	8081A		Dewatering	04/06/2021		3.6	9.6
	3			Cake	07/20/2021		3.0	25
					Annual Mean	<3.6	0.0	
				DI 10	Annual Max	<3.6	0.0	
		EPA	µg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A		Dewatering	04/06/2021	ND	3.7	9.8
				Cake	07/20/2021	ND	3.0	25
					Annual Mean	<3.7		
					Annual Max	<3.7		
	beta-BHC	EPA	ua/ka dry	Plant 1	01/12/2021		12	41
	Deta-Di 10	8081A	μg/kg di y	Dewatering				41
		000 IA		_	04/06/2021		21	
				Cake	07/20/2021		55	110
					Annual Mean	<55		
					Annual Max	<55		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	10	35
		8081A		Dewatering	04/06/2021	ND	18	35
				Cake	07/20/2021		46	88
					Annual Mean	<46		
					Annual Max	<46		
	beta-BHC	EPA	/1	Plant 1			2.0	0.0
			µg/кg		01/12/2021		2.9	9.8
	wet weight	8081A		Dewatering	04/06/2021		5.0	9.6
				Cake	07/20/2021		13	25
					Annual Mean	<13		
					Annual Max	<13		
		EPA	µg/ka	Plant 2	01/12/2021		2.9	9.8
		8081A	, 5	Dewatering	04/06/2021		5.1	9.8
		300 17 (		Cake	07/20/2021		13	25
				Jake			13	23
					Annual Mean	<13		
					Annual Max	<13		
	Chlordane	EPA	μg/kg dry	Plant 1	01/12/2021	ND	120	410
		8081A		Dewatering	04/06/2021	ND	150	410
				Cake	07/20/2021		400	1100
					Annual Mean	<400	7.	1.50
					Annual Max	<400		
		EDA .	//	Diant C			100	250
		EPA	μg/kg dry	Plant 2	01/12/2021		100	350
		8081A		Dewatering	04/06/2021		130	350
				Cake	07/20/2021	ND	340	880
					Annual Mean	<340		
					Annual Max	<340		
	Chlordane	EPA	μg/kg	Plant 1	01/12/2021		29	98
	wet weight	8081A	r9' '\9	Dewatering	04/06/2021		36	96
	wer weight	000 IA						
				Cake	07/20/2021		95	250
					Annual Mean	<95		
	1				Annual Max	<95		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	μg/kg	Plant 2	01/12/2021	ND	29	98
		8081A		Dewatering	04/06/2021	ND	37	98
				Cake	07/20/2021	ND	95	250
					Annual Mean	<95		
					Annual Max	<95		
	delta-BHC	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	84
		8081A	J-33 )	Dewatering	04/06/2021		19	41
				Cake	07/20/2021		17	110
				Carto	Annual Mean	<19	17	110
					Annual Max	<19		
		EPA	/Icas almi	Plant 2	01/12/2021		10	72
		8081A	μg/kg dry				10	35
		808 IA		Dewatering	04/06/2021		16	
				Cake	07/20/2021		14	88
					Annual Mean	<16		
					Annual Max	<16		
	delta-BHC	EPA	μg/kg	Plant 1	01/12/2021	ND	2.9	20
	wet weight	8081A		Dewatering	04/06/2021	ND	4.4	9.6
				Cake	07/20/2021	ND	4.0	25
					Annual Mean	<4.4		
					Annual Max	<4.4		
		EPA	µg/kg	Plant 2	01/12/2021		2.9	20
		8081A	F-9' \ \ 9	Dewatering	04/06/2021		4.5	9.8
				Cake	07/20/2021		4.0	25
				Carto	Annual Mean	<4.5	4.0	23
					Annual Max	<4.5		
	Dieldrin	ED4	/Icas almi	Dient 1			10	11
	Dielarin	EPA	μg/kg dry	Plant 1	01/12/2021		12	41
		8081A		Dewatering	04/06/2021		15	41
				Cake	07/20/2021		40	110
					Annual Mean	<40		
				Annual Max	<40			
		EPA	µg/kg dry	Plant 2	01/12/2021	ND	10	35
		8081A		Dewatering	04/06/2021	ND	13	35
				Cake	07/20/2021	ND	34	88
					Annual Mean	<34		
					Annual Max	<34		
	Dieldrin wet	EPA	μg/kg	Plant 1	01/12/2021		2.9	9.8
	weight	8081A	Mg/ Ng	Dewatering	04/06/2021		3.6	9.6
	Weight	000174		Cake	07/20/2021		9.5	25
				Oake		<9.5	9.5	20
					Annual Mean			
			/1	DI ( 0	Annual Max	<9.5		0.0
		EPA	µg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A		Dewatering	04/06/2021		3.7	9.8
				Cake	07/20/2021		9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endosulfan	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	41
	1	8081A		Dewatering	04/06/2021		14	41
				Cake	07/20/2021		36	110
					Annual Mean	<36		
					Annual Max	<36		
		EPA	μg/kg dry	Plant 2	01/12/2021		10	35
		8081A	pg/ng ally	Dewatering			12	35
		000 IA		Cake	04/06/2021			
				Care	07/20/2021		30	88
					Annual Mean	<30		
					Annual Max	<30		
	Endosulfan	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	1 wet weight	8081A		Dewatering	04/06/2021		3.2	9.6
				Cake	07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					/ tilliadi iviodii			

itegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	. 5 5	Dewatering	04/06/2021		3.3	9.8
				Cake	07/20/2021		8.5	25
				Jako	Annual Mean	<8.5	0.0	20
					Annual Max	<8.5		
	Endosulfan	EPA	µg/kg dry	Plant 1	01/12/2021		12	41
	2	8081A		Dewatering	04/06/2021	ND	15	41
				Cake	07/20/2021	ND	40	110
					Annual Mean	<40		
					Annual Max	<40		
		EPA	μg/kg dry	Plant 2	01/12/2021		10	35
		8081A	J-33 )	Dewatering	04/06/2021		13	35
		000171		Cake	07/20/2021		34	88
				Care			34	00
					Annual Mean	<34		
					Annual Max	<34		
	Endosulfan	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	2 wet weight	8081A		Dewatering	04/06/2021	ND	3.6	9.6
				Cake	07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
		EPA	μg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A	µg/ng					
		000 IA		Dewatering	04/06/2021		3.7	9.8
				Cake	07/20/2021		9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endosulfan	EPA	μg/kg dry	Plant 1	01/12/2021	ND	16	84
	Sulfate	8081A		Dewatering	04/06/2021	ND	17	41
				Cake	07/20/2021	ND	46	110
					Annual Mean	<46		
					Annual Max	<46		
		EPA	/Iran almir	Diant 0			1.1	70
			μg/kg dry	Plant 2	01/12/2021		14	72
		8081A		Dewatering	04/06/2021		14	35
				Cake	07/20/2021		35	88
					Annual Mean	<35		
					Annual Max	<35		
	Endosulfan	EPA	μg/kg	Plant 1	01/12/2021	ND	3.9	20
	Sulfate wet	8081A		Dewatering	04/06/2021	ND	4.0	9.6
	weight			Cake	07/20/2021		11	25
				1	Annual Mean	<11		
		-D.		DI 10	Annual Max	<11	0.0	00
		EPA	µg/kg	Plant 2	01/12/2021		3.9	20
		8081A		Dewatering	04/06/2021		4.1	9.8
				Cake	07/20/2021	ND	10	25
					Annual Mean	<10		
					Annual Max	<10		
	Endrin	EPA	μg/kg dry	Plant 1	01/12/2021		12	41
		8081A	ליש פיייפיין	Dewatering	04/06/2021		15	41
		355171		Cake	07/20/2021		38	110
				Oake			36	110
					Annual Mean	<38		
					Annual Max	<38		_
		EPA	µg/kg dry	Plant 2	01/12/2021		10	35
		8081A		Dewatering	04/06/2021	ND	12	35
				Cake	07/20/2021	ND	32	88
					Annual Mean	<32		
					Annual Max	<32		
	Endrin	EPA	μg/kg dry	Plant 1	01/12/2021		12	41
		8081A	µg/kg aly					
	Aldehyde	000 IA		Dewatering	04/06/2021		15	41
				Cake	07/20/2021		40	110
					Annual Mean	<40		
	1		1	1	Annual Max	<40		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RI
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	10	35
		8081A	, 5 5 ,	Dewatering	04/06/2021		13	35
				Cake	07/20/2021		34	88
					Annual Mean	<34		
					Annual Max	<34		
	Endrin	ED^	ualka	Plant 1			2.0	0.0
	Endrin	EPA	μg/kg		01/12/2021		2.9	9.8
	Aldehyde	8081A		Dewatering	04/06/2021		3.6	9.6
	wet weight			Cake	07/20/2021		9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
		EPA	μg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A		Dewatering	04/06/2021	ND	3.7	9.8
				Cake	07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endrin	EPA	µg/kg dry	Plant 1	01/12/2021		16	41
	Ketone	8081A	13 3 3	Dewatering	04/06/2021		820	820
				Cake	07/20/2021		42	110
					Annual Mean	<820		1.10
					Annual Max	<820		
		EPA	المرادم ط	Plant 2			1.4	25
			μg/kg dry		01/12/2021		14	35
		8081A		Dewatering	04/06/2021		710	710
				Cake	07/20/2021		35	88
					Annual Mean	<710		
					Annual Max	<710		
	Endrin	EPA	µg/kg	Plant 1	01/12/2021		3.9	9.8
	Ketone wet	8081A		Dewatering	04/06/2021		190	190
	weight			Cake	07/20/2021	ND	10	25
					Annual Mean	<190		
					Annual Max	<190		
		EPA	μg/kg	Plant 2	01/12/2021	ND	3.9	9.8
		8081A	. 5 5	Dewatering	04/06/2021		200	200
				Cake	07/20/2021		10	25
					Annual Mean	<200		-
					Annual Max	<200		
	Endrin wet	EPA	μg/kg	Plant 1	01/12/2021		2.9	9.8
	weight	8081A	49/ NY	Dewatering	04/06/2021		3.4	9.6
	weight	000 IA		Cake	04/06/2021			
				Jake	0.7207202.		9.0	25
					Annual Mean	<9.0		
				DI 15	Annual Max	<9.0		
		EPA	µg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A		Dewatering	04/06/2021		3.5	9.8
				Cake	07/20/2021		9.0	25
					Annual Mean	<9.0		
					Annual Max	<9.0		
	gamma-	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	41
	внс	8081A	,	Dewatering	04/06/2021		16	41
				Cake	07/20/2021		15	110
					Annual Mean	<16	1.5	
					Annual Max	<16		
		EPA	ua/ka day	Plant 2	01/12/2021		10	35
		8081A	µg/kg dry					
		000 IA		Dewatering	04/06/2021		14	35
				Cake	07/20/2021		12	88
					Annual Mean	<14		
					Annual Max	<14		
	gamma-	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	BHC wet	8081A		Dewatering	04/06/2021	ND	3.8	9.6
	weight			Cake	07/20/2021	ND	3.5	25
					Annual Mean	<3.8		
			1	1	Annual Max	<3.8		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	פיי פיין	Dewatering	04/06/2021		3.9	9.8
				Cake	07/20/2021		3.5	25
				Jako	Annual Mean	<3.9	0.0	20
					Annual Max	<3.9 <3.9		
	Llanta - I-I	ED4		Diant 4			16	11
	Heptachlor	EPA	μg/kg dry	Plant 1	01/12/2021		16	41
		8081A		Dewatering	04/06/2021		20	41
				Cake	07/20/2021		51	110
					Annual Mean	<51		
					Annual Max	<51		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	14	35
		8081A		Dewatering	04/06/2021	ND	17	35
				Cake	07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	Heptachlor	EPA	μg/kg dry	Plant 1	01/12/2021	ND	16	41
	Epoxide	8081A	13 3 7	Dewatering	04/06/2021		14	41
	'			Cake	07/20/2021		36	110
					Annual Mean	<36		. 10
					Annual Max	<36		
		EDA	ua/ka da:	Plant 2			14	25
		EPA 8081A	μg/kg dry		01/12/2021		14	35
		8081A		Dewatering Cake	04/06/2021		12	35
				Cake	07/20/2021		30	88
					Annual Mean	<30		
					Annual Max	<30		
	Heptachlor	EPA	µg/kg	Plant 1	01/12/2021		3.9	9.8
	· •	8081A		Dewatering	04/06/2021		3.2	9.6
	weight			Cake	07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		
		EPA	μg/kg	Plant 2	01/12/2021	ND	3.9	9.8
		8081A		Dewatering	04/06/2021	ND	3.3	9.8
				Cake	07/20/2021		8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		
	Heptachlor	EPA	μg/kg	Plant 1	01/12/2021		3.9	9.8
	wet weight	8081A	µg/Ng	Dewatering	04/06/2021		4.6	9.6
	wot weight	000171		Cake	07/20/2021		12	25
				Care	0.7207202.		12	25
					Annual Mean	<12		
		ED 4		Diam ( O	Annual Max	<12	0.0	0.0
		EPA	μg/kg	Plant 2	01/12/2021		3.9	9.8
		8081A		Dewatering	04/06/2021		4.7	9.8
				Cake	07/20/2021		12	25
					Annual Mean	<12		
					Annual Max	<12		
	Kepone	EPA	μg/kg dry	Plant 1	01/12/2021	ND	420000	1300000
		8081A		Dewatering	04/06/2021		90000	250000
				Cake	07/20/2021		42000	120000
					Annual Mean	<420000		
					Annual Max	<420000		
		EPA	μg/kg dry	Plant 2	01/12/2021		150000	430000
		8081A	May my ury	Dewatering	04/06/2021		67000	190000
		30017		Cake	07/20/2021		71000	200000
				Jake			7 1000	200000
					Annual Mean	<150000		
					Annual Max	<150000		
	Kepone wet	EPA	µg/kg	Plant 1	01/12/2021		100000	300000
	weight	8081A		Dewatering	04/06/2021		21000	58000
				Cake	07/20/2021		10000	29000
					Annual Mean	<100000		
	1	1			Annual Max	<100000		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	μg/kg	Plant 2	01/12/2021	ND	41000	120000
		8081A		Dewatering	04/06/2021	ND	19000	55000
				Cake	07/20/2021	ND	20000	56000
					Annual Mean	<41000		
					Annual Max	<41000		
	Methoxychlo	FPA	μg/kg dry	Plant 1	01/12/2021		12	41
	r	8081A	mg/ mg ur y	Dewatering	04/06/2021		300	820
	ľ	300171		Cake	07/20/2021		32	210
					Annual Mean	<300	02	210
					Annual Max	<300		
		EPA	المرادم ط	Plant 2	01/12/2021		10	35
		8081A	µg/kg dry				250	
		OUGIA		Dewatering	04/06/2021			710
				Cake	07/20/2021		27	180
					Annual Mean	<250		
					Annual Max	<250		
	Methoxychlo		μg/kg	Plant 1	01/12/2021		2.9	9.8
	r wet weight	8081A		Dewatering	04/06/2021	ND	71	190
				Cake	07/20/2021	ND	7.5	50
					Annual Mean	<71		
					Annual Max	<71		
		EPA	μg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A	פיי פייו	Dewatering	04/06/2021		72	200
				Cake	07/20/2021		7.5	50
					Annual Mean	<72	7.5	
					Annual Max	<72		
	Mirov	EDA	المرادم ط	Plant 1			5500	14000
	Mirex	EPA	µg/kg dry	Plant 1	01/12/2021		5500	14000
		8081A		Dewatering	04/06/2021		1100	2800
				Cake	07/20/2021		550	1400
					Annual Mean	<5500		
					Annual Max	<5500		
		EPA	μg/kg dry	Plant 2	01/12/2021		1900	4700
		8081A		Dewatering	04/06/2021		850	2200
				Cake	07/20/2021	ND	880	2200
					Annual Mean	<1900		
					Annual Max	<1900		
	Mirex wet	EPA	μg/kg	Plant 1	01/12/2021		1300	3400
	weight	8081A	. 5 5	Dewatering	04/06/2021		260	660
				Cake	07/20/2021		130	330
					Annual Mean	<1300	. 50	
					Annual Max	<1300		
		EPA	μg/kg	Plant 2	01/12/2021		520	1300
		8081A	µg/kg	Dewatering	04/06/2021		240	620
		000 IA		Cake				
				Care	07/20/2021		250	630
					Annual Mean	<520		
					Annual Max	<520		
	o,p'-DDD	EPA	µg/kg dry	Plant 1	01/12/2021		12	41
		8081A		Dewatering	04/06/2021		600	2800
				Cake	07/20/2021	ND	300	1400
					Annual Mean	<600		
					Annual Max	<600		
		EPA	μg/kg dry	Plant 2	01/12/2021		10	35
		8081A	. 5 5 ,	Dewatering	04/06/2021		460	2200
				Cake	07/20/2021		460	2200
					Annual Mean	<460	700	2200
					Annual Max	<460		
	a ni DDD	ED4	ua/le-	Dlort 1			2.0	0.0
	o,p'-DDD	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	wet weight	8081A		Dewatering	04/06/2021		140	660
				Cake	07/20/2021		71	330
					Annual Mean	<140		
	1				Annual Max	<140		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	P9/N9	Dewatering	04/06/2021		130	620
		55517		Cake				
				Cane	07/20/2021		130	630
					Annual Mean	<130		
					Annual Max	<130		
	o,p'-DDE	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	41
		8081A		Dewatering	04/06/2021	ND	1100	2800
				Cake	07/20/2021		550	1400
				00	Annual Mean	<1100	000	1400
					Annual Max	<1100		
		EPA	µg/kg dry	Plant 2	01/12/2021		10	35
		8081A		Dewatering	04/06/2021	ND	850	2200
				Cake	07/20/2021	ND	850	2200
					Annual Mean	<850		
					Annual Max	<850		
	o,p'-DDE	EPA	μg/kg	Plant 1	01/12/2021		2.9	9.8
		8081A	µg/kg					
	wet weight	000 IA		Dewatering	04/06/2021		250	660
				Cake	07/20/2021		130	330
					Annual Mean	<250		
					Annual Max	<250		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	13 3	Dewatering	04/06/2021		240	620
		000.71		Cake	07/20/2021		240	630
				Jako	Annual Mean		240	030
						<240		
					Annual Max	<240		
	o,p'-DDT	EPA	μg/kg dry	Plant 1	01/12/2021	ND	12	41
		8081A		Dewatering	04/06/2021	ND	900	2800
				Cake	07/20/2021	ND	420	1400
					Annual Mean	<900	-	
					Annual Max	<900		
		EDA.	/ /	DI 10			10	0.5
		EPA	µg/kg dry	Plant 2	01/12/2021		10	35
		8081A		Dewatering	04/06/2021		670	2200
				Cake	07/20/2021	ND	710	2200
					Annual Mean	<710		
					Annual Max	<710		
	o,p'-DDT	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	wet weight	8081A	pg/kg	Dewatering	04/06/2021		210	660
	wet weight	000 IA						
				Cake	07/20/2021		100	330
					Annual Mean	<210		
					Annual Max	<210		
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	. 5 5	Dewatering	04/06/2021		190	620
				Cake	07/20/2021		200	630
				Jako			200	030
					Annual Mean	<200		
					Annual Max	<200		
	p,p'-DDD	EPA	µg/kg dry	Plant 1	01/12/2021	ND	12	41
		8081A		Dewatering	04/06/2021	24 DNQ	20	41
				Cake	07/20/2021		51	110
					Annual Mean	29 DNQ		1
		EDA	4 .	DI LO	Annual Max	24 DNQ	10	0.5
		EPA	µg/kg dry	Plant 2	01/12/2021		10	35
		8081A		Dewatering	04/06/2021	ND	17	35
				Cake	07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	I DDD	ED4	//-	Diant 4			2.0	0.0
	p,p'-DDD	EPA	µg/kg	Plant 1	01/12/2021		2.9	9.8
	wet weight	8081A		Dewatering	04/06/2021		4.6	9.6
				Cake	07/20/2021	ND	12	25
					Annual Mean	6.8 DNQ		
					Annual Mean	U.U DING		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A		Dewatering	04/06/2021		4.7	9.8
				Cake	07/20/2021		12	25
					Annual Mean	<12		
					Annual Max	<12		
	p,p'-DDE	EPA	μg/kg dry	Plant 1	01/12/2021		12	41
	p,p -DDE	8081A	µg/kg diy	Dewatering			18	41
		000 IA		Cake	04/06/2021			
				Cake	07/20/2021		46	110
					Annual Mean	<46		
					Annual Max	<46		
		EPA	µg/kg dry	Plant 2	01/12/2021		10	35
		8081A		Dewatering	04/06/2021		15	35
				Cake	07/20/2021	ND	39	88
					Annual Mean	<39		
					Annual Max	<39		
	p,p'-DDE	EPA	μg/kg	Plant 1	01/12/2021	ND	2.9	9.8
	wet weight	8081A		Dewatering	04/06/2021	ND	4.2	9.6
				Cake	07/20/2021	ND	11	25
					Annual Mean	<11		
					Annual Max	<11		
		EPA	μg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A	µg/kg	Dewatering				
		000 IA		Cake	04/06/2021		4.3	9.8
				Cake	07/20/2021		11	25
					Annual Mean	<11		
					Annual Max	<11		
	p,p'-DDT	EPA	µg/kg dry	Plant 1	01/12/2021	ND	12	41
		8081A		Dewatering	04/06/2021	ND	290	410
				Cake	07/20/2021	ND	76	110
					Annual Mean	<290		
					Annual Max	<290		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	10	35
		8081A	, ,	Dewatering	04/06/2021		240	350
				Cake	07/20/2021		60	88
					Annual Mean	<240		
					Annual Max	<240		
	p,p'-DDT	EPA	ua/ka	Plant 1	01/12/2021		2.9	9.8
	wet weight	8081A	µg/kg	Dewatering	04/06/2021		67	9.6
	wet weight	000 IA		Cake				
				Cake	07/20/2021		18	25
					Annual Mean	<67		
					Annual Max	<67		
		EPA	µg/kg	Plant 2	01/12/2021		2.9	9.8
		8081A		Dewatering	04/06/2021		68	98
				Cake	07/20/2021	ND	17	25
					Annual Mean	<68		
					Annual Max	<68		
	Total DDTs	EPA	μg/kg dry	Plant 1	01/12/2021		12	41
		8081A		Dewatering	04/06/2021		20	41
				Cake	07/20/2021		550	1400
					Annual Mean	200 DNQ		1.50
					Annual Max	24 DNQ		
		EPA	μg/kg dry	Plant 2	01/12/2021		10	35
		8081A	µg/kg ury	Dewatering				
		000 IA			04/06/2021		850	2200
				Cake		ND	240	350
						ND	17	35
					07/20/2021		850	2200
					Annual Mean	<850		
					Annual Max	<850		
	Total DDTs	EPA	μg/kg	Plant 1	01/12/2021	ND	2.9	9.8
	wet weight	8081A	_	Dewatering	04/06/2021		4.6	9.6
				Cake	07/20/2021		130	330
					Annual Mean	46 DNQ		
					Annual Max	5.6 DNQ		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA	μg/kg	Plant 2	01/12/2021	ND	2.9	9.8
		8081A	pg/Ng	Dewatering	04/06/2021		240	620
		000 IA		Cake	04/00/2021			
				Cake		ND	68	98
						ND	4.7	9.8
					07/20/2021	ND	240	630
					Annual Mean	<240		
					Annual Max	<240		
	Total	EPA	μg/kg dry	Plant 1	01/12/2021		16	41
			µg/kg dry					
	Heptachlors	8081A		Dewatering	04/06/2021		20	41
				Cake	07/20/2021	ND	51	110
					Annual Mean	<51		
					Annual Max	<51		
		EPA	μg/kg dry	Plant 2	01/12/2021		14	35
			µg/kg diy					
		8081A		Dewatering	04/06/2021		17	35
				Cake	07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	Total	EPA	ua/ka	Plant 1	01/12/2021		3.9	9.8
			µg/kg					
	Heptachlors	8081A		Dewatering	04/06/2021		4.6	9.6
	wet weight			Cake	07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
		EPA	μg/kg	Plant 2	01/12/2021		3.9	9.8
		8081A	µg/kg					
		8081A		Dewatering	04/06/2021		4.7	9.8
				Cake	07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
	Toxaphene	EPA	μg/kg dry	Plant 1	01/12/2021		410	1600
	Тохарпене		µg/kg ui y					
		8081A		Dewatering	04/06/2021		150	820
				Cake	07/20/2021	ND	390	2100
					Annual Mean	<410		
					Annual Max	<410		
		EPA	μg/kg dry	Plant 2	01/12/2021		350	1400
			µg/kg ui y					
		8081A		Dewatering	04/06/2021		130	710
				Cake	07/20/2021	ND	330	1800
					Annual Mean	<350		
					Annual Max	<350		
	Toyonhono	EDA	ua/ka	Diant 1			00	300
	Toxaphene		µg/kg	Plant 1	01/12/2021		98	390
	wet weight	8081A		Dewatering	04/06/2021		35	190
				Cake	07/20/2021	ND	93	500
					Annual Mean	<98		
					Annual Max	<98		
		EPA	ua/ka	Plant 2	01/12/2021		98	390
			µg/kg					
		8081A		Dewatering	04/06/2021		36	200
				Cake	07/20/2021	ND	92	500
					Annual Mean	<98		
					Annual Max	<98		
CBs	PCB 1016	EPA 8082	ua/ka day	Plant 1	01/12/2021		140	410
JD3	ווטו פט	Li A 0002	pg/kg ury					
				Dewatering	04/06/2021		860	1800
				Cake	07/20/2021		510	1100
					Annual Mean	<860		
					Annual Max	<860		
		EPA 8082	ua/ka drv	Plant 2	01/12/2021		120	360
		L. A 0002	May Ing all y					
				Dewatering	04/06/2021		740	1600
				Cake	07/20/2021		420	880
					Annual Mean	<740		
					Annual Max	<740		
	PCB 1016	EPA 8082	ua/ka	Plant 1	01/12/2021		33	97
		Li A 0002	P9/N9					
	wet weight			Dewatering	04/06/2021		200	420
				Cake	07/20/2021	ND	120	250
					Annual Mean	<200		
					Annual Max	<200		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA 8082	ua/ka	Plant 2	01/12/2021	ND	34	99
		_	r9' '\9	Dewatering	04/06/2021		210	440
				Cake	07/20/2021		120	250
				June	Annual Mean	<210	120	230
	DOD 1001	EDA COCO	/1 1	DI 11	Annual Max	<210	4.40	440
	PCB 1221	EPA 8082	µg/kg dry	Plant 1	01/12/2021		140	410
				Dewatering	04/06/2021		1000	1800
				Cake	07/20/2021	ND	590	1100
					Annual Mean	<1000		
					Annual Max	<1000		
		EPA 8082	µg/kg dry	Plant 2	01/12/2021	ND	120	360
				Dewatering	04/06/2021	ND	880	1600
				Cake	07/20/2021	ND	490	880
					Annual Mean	<880		
					Annual Max	<880		
	PCB 1221	EPA 8082	ug/ka	Plant 1	01/12/2021		33	97
	wet weight		B	Dewatering	04/06/2021		240	420
				Cake	07/20/2021		140	250
					Annual Mean	<240	1-70	200
						<240		
		EDA 0000	110/150	Dlort 0	Annual Max		24	00
		EPA 8082	µg/кд	Plant 2	01/12/2021		34	99
				Dewatering	04/06/2021		250	440
				Cake	07/20/2021		140	250
					Annual Mean	<250		
					Annual Max	<250		
	PCB 1232	EPA 8082	µg/kg dry	Plant 1	01/12/2021	ND	140	410
				Dewatering	04/06/2021	ND	1100	1800
				Cake	07/20/2021	ND	630	1100
					Annual Mean	<1100		
					Annual Max	<1100		
		EPA 8082	ua/ka drv	Plant 2	01/12/2021		120	360
			r. g g ~ . j	Dewatering	04/06/2021		990	1600
				Cake	07/20/2021		570	880
				Jane	Annual Mean	<990	010	000
					Annual Max	<990		
	DCD 1000	EDA 9090	ua/ka	Plant 1			22	97
	PCB 1232	EPA 8082	µg/kg		01/12/2021		33	
	wet weight			Dewatering	04/06/2021		260	420
				Cake	07/20/2021		150	250
					Annual Mean	<260		
					Annual Max	<260		
		EPA 8082	µg/kg	Plant 2	01/12/2021		34	99
				Dewatering	04/06/2021	ND	280	440
				Cake	07/20/2021	ND	160	250
					Annual Mean	<280		
					Annual Max	<280		
	PCB 1242	EPA 8082	µg/kg drv	Plant 1	01/12/2021		140	410
			, 55 ,	Dewatering	04/06/2021		560	1800
				Cake	07/20/2021		320	1100
					Annual Mean	<560	020	1100
		EDA 0000		Dlant 0	Annual Max	<560	100	260
		EPA 8082	µg/kg ary	Plant 2	01/12/2021		120	360
				Dewatering	04/06/2021		460	1600
				Cake	07/20/2021		270	880
					Annual Mean	<460		
					Annual Max	<460		
	PCB 1242	EPA 8082	μg/kg	Plant 1	01/12/2021	ND	33	97
	wet weight		_	Dewatering	04/06/2021		130	420
				Cake	07/20/2021		75	250
						<130		
					Annual Mean	I NO		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	R
		EPA 8082	ug/ka	Plant 2	01/12/2021	ND	34	99
		2.7.0002	pg/Ng	Dewatering	04/06/2021		130	440
				Cake	07/20/2021		76	250
				Odico			70	230
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1248	EPA 8082	μg/kg dry	Plant 1	01/12/2021	ND	140	410
				Dewatering	04/06/2021	ND	560	1800
				Cake	07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	ua/ka dry	Plant 2	01/12/2021		120	360
		2.7.0002	µg/itg ai y	Dewatering	04/06/2021		490	1600
				Cake	07/20/2021		280	880
				Care			200	000
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1248	EPA 8082	µg/kg	Plant 1	01/12/2021		33	97
	wet weight			Dewatering	04/06/2021		130	420
				Cake	07/20/2021	ND	77	250
					Annual Mean	<130		
					Annual Max	<130		
		EPA 8082	ua/ka	Plant 2	01/12/2021		34	99
		/ \ 0002	r''''	Dewatering	04/06/2021		140	440
				Cake	07/20/2021		79	250
				Care			79	230
					Annual Mean	<140		
					Annual Max	<140		
	PCB 1254	EPA 8082	μg/kg dry	Plant 1	01/12/2021	ND	140	410
				Dewatering	04/06/2021	ND	560	1800
				Cake	07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	ua/ka dry	Plant 2	01/12/2021		120	360
		LI A 0002	µg/kg di y	Dewatering	04/06/2021		490	1600
				Cake	07/20/2021			
				Cake			270	880
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1254	EPA 8082	µg/kg	Plant 1	01/12/2021	ND	33	97
	wet weight			Dewatering	04/06/2021	ND	130	420
				Cake	07/20/2021	ND	75	250
					Annual Mean	<130		
					Annual Max	<130		
		EPA 8082	ua/ka	Plant 2	01/12/2021		34	99
		/ . 5002	פיי ישיו	Dewatering	04/06/2021		140	440
				Cake	07/20/2021			
				Jake			77	250
					Annual Mean	<140		_
					Annual Max	<140		
	PCB 1260	EPA 8082	µg/kg dry	Plant 1	01/12/2021		140	410
				Dewatering	04/06/2021		560	1800
				Cake	07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	ua/ka dry	Plant 2	01/12/2021		120	360
		LI A 000Z	May Ing ury	Dewatering			490	1600
				_	04/06/2021			
				Cake	07/20/2021		270	880
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1260	EPA 8082	μg/kg	Plant 1	01/12/2021	ND	33	97
	wet weight			Dewatering	04/06/2021	ND	130	420
				Cake	07/20/2021		75	250
					Annual Mean	<130		
						<130		
					Annual Max	~100		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	μg/kg	Plant 2	01/12/2021	ND	34	99
				Dewatering	04/06/2021		140	440
				Cake	07/20/2021		77	250
					Annual Mean	<140		
					Annual Max	<140		
	Total PCBs	EPA 8082	ua/ka dry	Plant 1	01/12/2021		140	410
	TOTALLOS	LFA 0002	µg/kg ury	Dewatering			1100	1800
				Cake	04/06/2021			
				Cake	07/20/2021		630	1100
					Annual Mean	<1100		
					Annual Max	<1100		
		EPA 8082	µg/kg dry	Plant 2	01/12/2021		120	360
				Dewatering	04/06/2021	ND	990	1600
				Cake	07/20/2021	ND	570	880
					Annual Mean	<990		
					Annual Max	<990		
	Total PCBs	EPA 8082	µg/kg	Plant 1	01/12/2021	ND	33	97
	wet weight			Dewatering	04/06/2021		260	420
				Cake	07/20/2021		150	250
					Annual Mean	<260	. 50	
					Annual Max	<260		
		EDV 0000	ua/ka	Plant 2			34	99
		EPA 8082	µg/kg		01/12/2021			
				Dewatering	04/06/2021		280	440
				Cake	07/20/2021		160	250
					Annual Mean	<280		
					Annual Max	<280		
Herbicides	2,4,5-TP	EPA	µg/kg dry	Plant 1	01/12/2021	ND	61	120
	(Silvex)	8151A		Dewatering	Annual Mean	<61		
				Cake	Annual Max	<61		
		EPA	μg/kg dry	Plant 2	01/12/2021	ND	53	110
		8151A	J. J. J. J. J.	Dewatering	Annual Mean	<53		
		0.0.7		Cake	Annual Max	<53		
	2,4,5-TP	EPA	ua/ka	Plant 1	01/12/2021		14	28.9
	(Silvex) wet	8151A	µg/kg	Dewatering	Annual Mean	<14	14	20.9
		0131A		Cake				
	weight		,		Annual Max	<14		
		EPA	µg/kg	Plant 2	01/12/2021		15	29.4
		8151A		Dewatering	Annual Mean	<15		
				Cake	Annual Max	<15		
	2,4-D	EPA	µg/kg dry	Plant 1	01/12/2021	ND	810	1600
		8151A		Dewatering	Annual Mean	<810		
				Cake	Annual Max	<810		
		EPA	μg/kg dry	Plant 2	01/12/2021		710	1400
		8151A	1 5 5 7	Dewatering	Annual Mean	<710	-	
				Cake	Annual Max	<710		
	2,4-D wet	EPA	μg/kg	Plant 1	01/12/2021		190	386
	weight	8151A	M9/1/9	Dewatering	Annual Mean	<190	130	550
	weignt	3131A		_				
		ED 4	/1	Cake	Annual Max	<190	000	201
		EPA	µg/kg	Plant 2	01/12/2021		200	391
		8151A		Dewatering	Annual Mean	<200		
				Cake	Annual Max	<200		
	Pentachloro	EPA	μg/kg dry	Plant 1	01/12/2021		81	160
	phenol	8151A		Dewatering	Annual Mean	<81		
				Cake	Annual Max	<81		
		EPA	μg/kg dry	Plant 2	01/12/2021		71	140
		8151A	. 5 5 ,	Dewatering	Annual Mean	<71		
				Cake	Annual Max	<71		
	Pentachloro	EPA	μg/kg	Plant 1	01/12/2021		19	38.6
		8151A	µg/kg				18	30.0
	phenol wet	OIDIA		Dewatering	Annual Mean	<19		
	weight		,,	Cake	Annual Max	<19		00.1
		EPA	µg/kg	Plant 2	01/12/2021		20	39.1
		8151A		Dewatering	Annual Mean	<20		
				Cake	Annual Max	<20		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Dioxins/Fura	2.3.7.8-	EPA	pg/g	Plant 1	01/12/2021	ND	0.41	5.1
S	TCDD	1613B	P 3' 3	Dewatering	04/06/2021		0.24	0.99
-				Cake	07/20/2021		0.37	4.7
				O S.I. C	Annual Mean	<0.41	0.07	7.7
					Annual Max	<0.41		
			na/a dny	Plant 1	01/12/2021		1.7	21
			pg/g dry					
				Dewatering Cake	04/06/2021		1.0	4.2
				Cake	07/20/2021		1.6	20
					Annual Mean	<1.7		
					Annual Max	<1.7		
		EPA	pg/g	Plant 2	01/12/2021		0.23	4.3
		1613B		Dewatering	04/06/2021		0.15	1.0
				Cake	07/20/2021		0.86	5.0
					Annual Mean	<0.86		
					Annual Max	<0.86		
			pg/g dry	Plant 2	01/12/2021	ND	0.83	15
				Dewatering	04/06/2021	ND	0.53	3.5
				Cake	07/20/2021		3.0	18
					Annual Mean	<3.0		-
					Annual Max	<3.0		
ther	Asbestos	EPA/600/	%	Plant 1	01/12/2021			1
ii iCi	73063103	R-93/116	/0	Dewatering	04/06/2021			1
		11-90/110		Cake				
				Cane	07/20/2021			1
					Annual Mean	<1		
					Annual Max	<1		
			% dry	Plant 1	01/12/2021			4
			weight	Dewatering	04/06/2021			4
				Cake	07/20/2021	ND		4
					Annual Mean	<4		
					Annual Max	<4		
		EPA/600/	%	Plant 2	01/12/2021	ND		1
		R-93/116		Dewatering	04/06/2021			1
				Cake	07/20/2021			1
					Annual Mean	<1		
					Annual Max	<1		
			% dry	Plant 2	01/12/2021			4
			weight	Dewatering	04/06/2021			4
			weignt	_				
				Cake	07/20/2021			4
					Annual Mean	<4		
					Annual Max	<4		
entatively	.Beta	EPA	µg/kg	Plant 2	04/06/2021			
entified	Sitosterol	8270C		Dewatering	Annual Mean	90000		
ompounds	wet weight			Cake	Annual Max	90000		
	.GAMMA	EPA	μg/kg	Plant 1	04/06/2021	67000		
	SITOSTER	8270C		Dewatering	07/20/2021			
				Cake	Annual Mean	88000		
	OL wet							
	OL wet weight				Annual Max	1110000		
	weight	FPA	ug/kg	Plant 2	Annual Max 07/20/2021	110000 69000		
	weight 17-(1,5-	EPA 8270C	μg/kg	Plant 2	07/20/2021	69000		
	weight 17-(1,5- DIMETHYL	EPA 8270C	μg/kg	Dewatering	07/20/2021 Annual Mean	69000 69000		
	weight 17-(1,5- DIMETHYL HEXYL)-	8270C		Dewatering Cake	07/20/2021 Annual Mean Annual Max	69000 69000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18	8270C EPA	ha/ka	Dewatering Cake Plant 1	07/20/2021 Annual Mean Annual Max 07/20/2021	69000 69000 69000 140000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22-	8270C		Dewatering Cake Plant 1 Dewatering	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean	69000 69000 69000 140000 140000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS	8270C EPA 8270C	μg/kg	Dewatering Cake Plant 1 Dewatering Cake	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max	69000 69000 69000 140000 140000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22-	8270C EPA 8270C EPA		Dewatering Cake Plant 1 Dewatering Cake Plant 2	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021	69000 69000 69000 140000 140000 140000 51000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE ,	8270C EPA 8270C EPA 8270C	μg/kg	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean	69000 69000 69000 140000 140000 140000 51000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS	8270C EPA 8270C EPA 8270C	μg/kg	Dewatering Cake Plant 1 Dewatering Cake Plant 2	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021	69000 69000 69000 140000 140000 140000 51000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE , 2,6,10,15,19 5.ALPHA	8270C EPA 8270C EPA 8270C	μg/kg	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean	69000 69000 140000 140000 140000 51000 51000 51000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE , 2,6,10,15,19	8270C EPA 8270C EPA 8270C	ha/ka	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering Cake	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean Annual Mean Annual Mean Annual Mean	69000 69000 140000 140000 140000 51000 51000 51000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE , 2,6,10,15,19 5.ALPHA	8270C EPA 8270C EPA 8270C	ha/ka	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering Cake Plant 2 Plant 2	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean Annual Mean Annual Mean Annual Max 01/12/2021	69000 69000 69000 140000 140000 51000 51000 51000 100000 100000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE , 2,6,10,15,19 5.ALPHA CHOLESTA N-3.BETA	8270C  EPA 8270C  EPA 8270C  EPA 8270C	haka	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering Cake Plant 2 Dewatering Cake Plant 2 Dewatering Cake	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean Annual Max 01/12/2021 Annual Mean Annual Max	69000 69000 69000 140000 140000 51000 51000 51000 100000 100000		
	weight 17-(1,5- DIMETHYL HEXYL)- 2,6,10,14,18 ,22- TETRACOS AHEXAENE , 2,6,10,15,19 5.ALPHA CHOLESTA	8270C  EPA 8270C  EPA 8270C  EPA 8270C	ha/ka	Dewatering Cake Plant 1 Dewatering Cake Plant 2 Dewatering Cake Plant 2 Dewatering Cake Plant 2 Dewatering	07/20/2021 Annual Mean Annual Max 07/20/2021 Annual Mean Annual Max 04/06/2021 Annual Mean Annual Max 01/12/2021 Annual Mean	69000 69000 69000 140000 140000 51000 51000 51000 100000 100000		

gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	F
		EPA	µg/kg	Plant 2	04/06/2021	48000		
		8270C		Dewatering	Annual Mean	48000		
				Cake	Annual Max	48000		
	Cholest-4-en-	EPA	µg/kg	Plant 1	01/12/2021	66000		5000
	1 -	8270C	1-33	Dewatering	04/06/2021			
	weight			Cake	07/20/2021			
	J. 1.3				Annual Mean	72000		
					Annual Max	100000		
		EPA	ua/ka	Plant 2	01/12/2021			9800
		8270C	μg/kg					
		02/00		Dewatering Cake	04/06/2021			
				Cake	07/20/2021			
					Annual Mean	180000		
					Annual Max	210000		
	CHOLESTA		µg/kg	Plant 1	07/20/2021			
		8270C		Dewatering	Annual Mean	120000		
	OL wet			Cake	Annual Max	120000		
	CHOLESTA	EPA	μg/kg	Plant 1	04/06/2021	290000		
	N-3-OL,	8270C		Dewatering	Annual Mean	290000		
	(3.ALPHA.,5			Cake	Annual Max	290000		
	CHOLESTA	EPA	µg/kg	Plant 2	04/06/2021	280000		
		8270C	. 5 5	Dewatering	Annual Mean	280000		
	(3.BETA.,5.			Cake	Annual Max	280000		
	Cholestan-3-	FΡΔ	μg/kg	Plant 1	07/20/2021			<b></b>
		8270C	M9/N9	Dewatering	Annual Mean	630000		
	weight	02700		Cake	Annual Max	630000		
	CHOLESTA		μg/kg	Plant 2	07/20/2021			
	N-3-ONE,	8270C		Dewatering	Annual Mean	630000		
	(5.ALPHA.)-			Cake	Annual Max	630000		
	Cholestan-3-		µg/kg	Plant 2	04/06/2021			
		8270C		Dewatering	Annual Mean	340000		
	(5.beta.)-			Cake	Annual Max	340000		
	CHOLESTA	EPA	μg/kg	Plant 2	07/20/2021	95000		
	NOL wet	8270C		Dewatering	Annual Mean	95000		
	weight			Cake	Annual Max	95000		
	CHOLESTE	EPA	µg/kg	Plant 1	04/06/2021	260000		
	ROL wet	8270C		Dewatering	Annual Mean	260000		
	weight			Cake	Annual Max	260000		
	n-	FPA	μg/kg	Plant 1	01/12/2021			5000
	Hexadecanoi		Mg/ Ng	Dewatering	04/06/2021			
	c acid wet	02700		Cake	Annual Mean	52000		
	weight			Jano	Annual Max	55000		
		EPA	ualka	Plant 2	01/12/2021			9800
			µg/kg				- <del>-</del>	
		8270C		Dewatering	07/20/2021			
				Cake	Annual Mean	84000		_
	007:5=5				Annual Max	98000		
	OCTADECA		µg/kg	Plant 1	04/06/2021			
		8270C		Dewatering	Annual Mean	48000		
	wet weight			Cake	Annual Max	48000		
		EPA	µg/kg	Plant 2	04/06/2021			
		8270C		Dewatering	Annual Mean	51000		
				Cake	Annual Max	51000		
	Squalene	EPA	µg/kg	Plant 1	01/12/2021	77000		5000
		8270C		Dewatering	Annual Mean	77000		
				Cake	Annual Max	77000		
		EPA	μg/kg	Plant 2	01/12/2021			9800
		8270C	פיי יכיו	Dewatering	07/20/2021			
		32.00		Cake	Annual Mean	140000		+-
				Jano	Annual Max	150000		
	Ctions and and	ED4	110///-	Dlast 0				
	Stigmasterol		µg/kg	Plant 2	07/20/2021			
		8270C		Dewatering	Annual Mean	100000		
	dihydro- wet Tetradecane			Cake	Annual Max	100000		
	1-F ( )		μg/kg	Plant 1	01/12/2021	ECOOO		5000

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	wet weight	8270C		Dewatering	07/20/2021	92000		
				Cake	Annual Mean	74000		
					Annual Max	92000		
		EPA	μg/kg	Plant 2	01/12/2021	110000		9800
		8270C		Dewatering	Annual Mean	110000		
				Cake	Annual Max	110000		
	Tridecane	EPA	μg/kg	Plant 1	04/06/2021	39000		
	wet weight	8270C		Dewatering	07/20/2021	81000		
				Cake	Annual Mean	60000		
					Annual Max	81000		
	UNKNOWN	EPA	µg/kg	Plant 1	01/12/2021	94000		5000
	wet weight	8270C		Dewatering	04/06/2021	83000		
				Cake	07/20/2021	220000		
					Annual Mean	130000		
					Annual Max	220000		
		EPA	µg/kg	Plant 2	01/12/2021	160000		9800
		8270C		Dewatering	04/06/2021	92000		
				Cake	07/20/2021	180000		
					Annual Mean	140000		
					Annual Max	180000		

#### **DEFINITIONS AND FOOTNOTES**

#### **Definitions:**

**ND** = Not Detected

**DNQ** = Detected, Not Quantified; represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

N/A = Not Applicable

#### **Annual Mean:**

- If all results for a parameter were ND, the Annual Mean is reported as < the highest MDL (or RL if not MDL) for that parameter during the year.
- If only some results for a parameter were ND, the ND is replaced by the MDL value for calculating the Annual Mean
- For any parameter that had a DNQ result, the Annual Mean is also designated as DNQ.

#### **Annual Max:**

- If all results for a parameter were ND, the Annual Max is reported as < the highest MDL (or RL if not MDL) for that parameter during the year.
- Quantified values take priority for determining the maximum (ND and DNQ values are ignored). If there are only ND and DNQ values, the highest DNQ value is reported as the maximum with a DNQ notation.

#### Footnotes:

- None

# **APPENDIX D**

Biosolids Annual Report Landing Page (https://npdes-ereporting.epa.gov/net-biosolids/action/secured/home#!/facilities) / ORANGE COUNTY SD #1

NPDES ID: CAL110604 Biosolids Status: Active

Facility Name: ORANGE COUNTY SD #1

10844 ELLIS AVENUE FOUNTAIN VALLEY, CA 92708-

7018

# **View Annual Report**

NPDES FORM 6100-035



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
BIOSOLIDS ANNUAL REPORT

Form Approved.

OMB No. 2040-0004

Exp. 03/31/2022

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Blosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pl40.32.5034gr=div5#se40.32.503.218), Bota 28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pl40.32.5034gr=div5#se40.32.503.18). Facilities that must submit a Sewage Sludge (Blosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pl40.32.503.4gn=div5#se40.32.503.19), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/inpdes/pdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

#### Public Availability of Information Submitted on and with General Permit Reports

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a CBI claim we direct submitters to contact the NPDES exporting Help Desk (NPDESexporting@epa.gov (mailto:NPDESereporting@epa.gov) for further guidance.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

#### Program Information

Please select all of the following that apply to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑YES □NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

30402

☑ YES □ NO

Reporting Period Start Date: 01/01/2021 Reporting Period End Date: 12/31/2021

#### Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP)

Aerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:

Preliminary Operations (e.g., sludge grinding, degritting, blending)

Thickening (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

Other Processes to Manage Sewage Sludge:

Methane or Biogas Capture and Recovery

#### Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis?

#### Analytical Methods

- EPA Method 6010 Arsenic (ICP-OES)
- EPA Method 6010 Cadmium (ICP-OES)
- EPA Method 6010 Chromium (ICP-OES)
- EPA Method 6010 Copper (ICP-OES)
   EPA Method 6010 Lead (ICP-OES)
- EPA Method 6010 Lead (ICP-OES)
   EPA Method 7471 Mercury (CVAA)
- EPA Method 7471 Mercury (CVAA)
   EPA Method 6010 Molybdenum (ICP-OES)
- EPA Method 6010 Nickel (ICP-OES)
   EPA Method 6010 Selenium (ICP-OES)
- EPA Method 6010 Selenium (ICF-OES)
- EPA Method 6010 Zinc (ICP-OES)
   EPA Method 6010 Beryllium (ICP-OES)

EPA Method 351.2 - Total Kjeldahl Nitrogen     Standard Method 4500-N - Nitrogen     Standard Method 2540 - Total Solids     Standard Method 2540 - Volatile Solids     EPA Method 9045 - pH (> 7% solids)		
Other Analytical Methods  • Other Nilrogen Analytical Method Other Analytical Methods Text Area:		
EPA 300.0		
Sludge Management - Land Application		
ID: 004		
ID: <u>001</u>		
Amount: 5637		
Management Practice Detail: Agricultural Land Appl	lication	
Bulk or Bag/Container: Bulk		
Handler, Preparer, or Applier Type: Off-Site Third-P	Party Preparer	
NPDES ID of handler:		
Facility Information:	Contact Inf	ormation:
Tule Ranch / Ag-Tech	Kurt	Wyrick
4324 E. Ashlan Ave. Fresno, CA 93726	Controller 559-222-77	736 ext. 102
US	kurt@weste	exp.com
Pathogen Class: Class B		
Sewage Sludge or Biosolids Pathogen Reduction	Options:	
Class B-Alternative 2 PSRP 1: Aerobic Dig	estion	
Sewage Sludge or Biosolids Vector Attraction Rec	duction Options:	
<ul> <li>Option 1 - Volatile Solids Reduction</li> <li>Option 10 - Sewage Sludge Timely Incorporate</li> </ul>	pration into Land	
Did the facility land apply bulk sewage sludge who loading rates in Table 2 of 40 CFR 503.13?	en one or more pollutants in the sewage slud	ge exceeded 90 percent or more of any of the cumulative polluta
□YES VNO □UNKNOWN		
Monitoring Data		
INSTRUCTIONS: Pollutants, pathogen densit	ties, and vector attraction reduction must be moni	tored when sewage sludge or biosolids are applied to the land.
		y you or your facility in the reporting period for this SSUID.  plied to land during the compliance monitoring period for this
		40.32.503_18)). All pollutant monitoring data should be
reported in milligrams per kilogram (mg/kg), d requirements (40 CFR 503, Subpart B).	ry weight basis. EPA will be using these data to d	lemonstrate compliance with EPA's land application
Compliance Monitoring Periods		
		ompliance monitoring period. The number of compliance
		uarterly, semi-annually, or annually). For example, if monthly sency is determined by the number of metric tons (dry weight
basis) of sewage sludge or biosolids land app	lied in the reporting period for this SSUID (40 CF	
node=pt40.32.503&rgn=div5#se40.32.503_11 Compliance Monitoring Event No. 1	Compliance Monitoring Period Start D	
	01/01/2021	01/31/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐YES ☑NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bln/lext-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or regulations profund and application to buts sewage studge of sewage studge sour or gave away sewage studge in a bag of the contained when the more sewage studge pollutant concentrations in the sewage studge exceed a land application ceiling pollutant Ill limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-lix/?node=pt40.32.5034gn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-lix/?node=pt40.32.5034gn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The
	,	Following
=	16	
=	1.2	
=	530	
=	5	
=	0.75	
=	18	
=	37	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Selenium	=	7.6	
Zinc	=	840	

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	60.47	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	13.5	
Cadmium	=	1.15	
Copper	=	520	
Lead	=	4.65	
Mercury	=	0.69	
Nickel	=	36.5	
Selenium	=	6.9	
Zinc	=	820	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	51500	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date
	02/01/2021	02/28/2021

Do you have analytical results to report for this monitoring period? ☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollulant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	14	
Cadmium	=	1.9	
Copper	=	550	
Lead	=	3.6	
Mercury	=	0.78	
Molybdenum	=	18	
Nickel	=	29	
Selenium	=	11	
Zinc	=	730	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	63.16	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis

, ,	eter Concentration (mg/kg, dry-weight or Pass/Fail)	If No Data, Select One Of The Following
-----	--------------------------------------------------------	-----------------------------------------

Sewage Sludge or Biosolids Parameter			If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	12.5	
Cadmium	=	1.55	
Copper	=	540	
Lead	=	3.35	
Mercury	=	0.76	
Nickel	=	27.5	
Selenium	=	8.95	
Zinc	=	710	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	49000	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 03/01/2021

Compliance Monitoring Period End Date: 03/31/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn-cdiv5#se40.32.503\_173), EPA's regulations prohibit land application of bulk sewage sludge osludge osl or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	12	
Cadmium	=	2.2	
Copper	=	520	
Lead	=	5.6	
Mercury	=	0.65	
Molybdenum	=	15	
Nickel	=	34	
Selenium	=	7.8	
Zinc	=	820	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewag	e Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids,	total volatile percent removal	=	61.36	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11	
Cadmium	=	1.6	
Copper	=	500	
Lead	=	5.4	
Mercury	=	0.605	
Nickel	=	33.5	
Selenium	=	6.9	
Zinc	=	800	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

	Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
lotal Nitrogen (TKN plus Nitrate-Nitrite) = 52000	Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52000	

Compliance Monitoring Event No. 4 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 04/01/2021 04/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_r13), EPA's regulations prohibit land application of bulk sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11	
Cadmium	=	0.94	
Copper	=	540	
Lead	=	12	
Mercury	=	1	
Molybdenum	=	18	
Nickel	=	54	
Selenium	=	19	
Zinc	=	860	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	65.38	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter         Value Qualifier         Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)         If No Data, Select On Following           Arsenic         J (Below RL but Above MDL)         10.5            Cadmium         =         0.925            Copper         =         510            Lead         =         8.6            Mercury         =         0.8            Nickel         =         46            Selenium         =         12.3            Zinc         =         830				
Above MDL)         Above MDL           Cadmium         =         0.925           Copper         =         510           Lead         =         8.6           Mercury         =         0.8           Nickel         =         46           Selenium         =         12.3		Value Qualifier		If No Data, Select One Of The Following
Copper         =         510           Lead         =         8.6           Mercury         =         0.8           Nickel         =         46           Selenium         =         12.3	Arsenic		10.5	
Lead = 8.6  Mercury = 0.8  Nickel = 46  Selenium = 12.3	Cadmium	=	0.925	
Mercury         =         0.8           Nickel         =         46           Selenium         =         12.3	Copper	=	510	
Nickel = 46 Selenium = 12.3	Lead	=	8.6	
Selenium = 12.3	Mercury	=	0.8	
	Nickel	=	46	
Zinc = 830	Selenium	=	12.3	
	Zinc	=	830	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	59000	

Compliance Monitoring Event No. 5 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 05/01/2021 05/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cg/b-in/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge obligation in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13

(http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following		
Arsenic	=	12			
Cadmium	=	1.1			
Copper	=	510			
Lead	=	6.9			
Mercury	=	0.73			
Molybdenum	=	19			
Nickel	=	38			
Selenium	=	7.8			
Zinc	=	830			

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	57.89	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	12	
Cadmium	=	0.915	
Copper	=	490	
Lead	=	6.45	
Mercury	=	0.71	
Nickel	=	36	
Selenium	=	7.15	
Zinc	=	830	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55500	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date
	06/01/2021	06/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge os sewage sludge sold or gave away sewage slage in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	13	
Cadmium	=	1.2	
Copper	=	560	
Lead	=	6.5	
Mercury	=	0.56	
Molybdenum	=	18	
Nickel	=	36	
Selenium	=	8.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Zinc	=	830	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following	
Solids, total volatile percent removal	=	60.42		

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following			
Arsenic	=	12.5				
Cadmium	=	1.04				
Copper	=	540				
Lead	=	5.35				
Mercury	=	0.555				
Nickel	=	34.5				
Selenium	=	8.35				
Zinc	=	800				

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55000	

Compliance	Monitoring	Event	No.	7

Compliance Monitoring Period Start Date: 07/01/2021

Compliance Monitoring Period End Date: 07/31/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	J (Below RL but 9.3 Above MDL)			
Cadmium	=	1.1		
Copper	=	540		
Lead	=	6.3		
Mercury	=	0.75		
Molybdenum	=	17		
Nickel	=	33		
Selenium	=	9.2		
Zinc	=	830		

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	58.14	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.8	
Cadmium	=	0.965	
Copper	=	530	
Lead	=	5.45	
Mercury	=	0.605	
Nickel	=	33	
Selenium	=	8.8	
Zinc	=	820	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Value Parameter Qualifier		Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54500	

Compliance Monitoring Event No. 8 Compliance Monitoring Period Start Date: 08/01/2021 Compliance Monitoring Period End Date: 08/31/2021 08/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES INO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge os ludge sold or gave away sewage slaye in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	9	
Cadmium	=	0.65	
Copper	=	570	
Lead	=	7.8	
Mercury	=	0.73	
Molybdenum	=	21	
Nickel	=	31	
Selenium	=	8.2	
Zinc	=	850	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	55	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.75	
Cadmium	=	0.63	
Copper	=	550	
Lead	=	7.15	
Mercury	=	0.65	
Nickel	=	31	
Selenium	=	7.75	
Zinc	=	840	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier		Parameter Concentr basis)	ation (mg/kg, c	iry-weight	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-N	itrite) =		49000			
ompliance Monitoring Event No.	. 9	<b>Compli</b> 09/01/2	ance Monitoring Peri	od Start Date:		oliance Monitoring Period End Date:
o you have analytical results to	report for this mon			□NO	00/00	7,2021
o you have analytical results to	report for this mon	iitoriiig p	enour enco	DNO		
						ntrations for this compliance monito osolids for this compliance monitori
eriod.] □YES S™NO						
2120 2110						
aximum Concentration Data for This section summarizes the ma					nat was applied to	land during the compliance monitoring
period for this SSUID. In accorda	ance with 40 CFR 5	03.13(a) (	http://www.ecfr.gov/cgi	-bin/text-idx?no	de=pt40.32.503&	rgn=div5#se40.32.503_113), EPA's bag or other container when one or
more sewage sludge pollutant or	oncentrations in the	sewage s	sludge exceed a land a	pplication ceilin	g pollutant limit (T	
	Table 1 of 40 CFR	503.13 (h	nttp://www.ecfr.gov/cgi-	bin/text-idx?nod	e=pt40.32.503&r	gn=div5#se40.32.503_113) to identify
Please only select a "No Data In	-		-	-		
Sewage Sludge or Biosolids Parameter	Value Qualifier		ameter Concentration Pass/Fail)	ı (mg/kg, dry-v	eight basis	If No Data, Select One Of The Following
Arsenic	=	11				
Cadmium	=	1.2				
Copper	=	550				
Lead	=	8.7				
Mercury	=	0.7	8			
Molybdenum Nickel	=	19				
Selenium	-	8.3				
Zinc	=	810				
monitoring period for this SSUID  Sewage Sludge or Biosolids Par		Val	ue Qualifier	Value	If No Data, Sel	ect One Of The Following
Solids, total volatile percent remov		=		60		•
onthly Average Pollutant Conce This section summarizes the mo monitoring period for this SSUID	nthly average pollut	ant conce	entrations in the biosoli	ds or sewage sl	udge that was ap	plied to land during the compliance dry weight basis.
Sewage Sludge or Biosolids Parameter	Value Qualifie	r	Parameter Concentro basis or Pass/Fail)	ration (mg/kg,	dry-weight	If No Data, Select One Of The Following
Arsenic	J (Below RL bu	t	9.05			
Cadmium	Above MDL)		0.975			
Copper	=		550			
Lead	=		5.8			
Mercury	=		0.705			
Nickel	=		30.5			
Selenium	=		7.65			
Zinc	=		800			
Report the average concentratio applied to land during the compl				lus Nitrate-Nitri	te, as N) in the se	wage sludge or biosolids that was
Sewage Sludge or Biosolids	Value		Parameter Concentr	ation (mg/kg, c	Iry-weight	If No Data, Select One Of The
Parameter	Qualifier		basis)			Following
Total Nitrogen (TKN plus Nitrate-N	itrite) =		56500			
ompliance Monitoring Event No.	. 10	Compli 10/01/2	ance Monitoring Peri	od Start Date:		pliance Monitoring Period End Date:
o you have analytical results to	report for this mon			□NO	10/3	··
					pollutant conce	ntrations for this compliance monit
vent? [For example, this will be t						ntrations for this compliance monitor osolids for this compliance monitor
eriod.] □YES SVNO						
*						

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or

more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cg/bin/text-idx/?node=pt40.32.5033kgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cg/bin/text-idx/?node=pt40.32.5033gn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	9.3	
Cadmium	=	0.81	
Copper	=	560	
Lead	=	8.4	
Mercury	=	0.5	
Molybdenum	=	17	
Nickel	=	30	
Selenium	=	10	
Zinc	=	850	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	60.87	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.65	
Cadmium	=	0.785	
Copper	=	550	
Lead	=	8.1	
Mercury	=	0.45	
Nickel	=	29	
Selenium	=	9.2	
Zinc	=	830	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	59000	

Compliance Monitoring Event No. 11	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	11/01/2021	11/30/2021

Do you have analytical results to report for this monitoring period?

d? ☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	J (Below RL but Above MDL)	8.4		
Cadmium	=	1.1		
Copper	=	500		
Lead	=	7.6		
Mercury	=	0.61		
Molybdenum	=	19		

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Nickel	=	31	
Selenium	=	8	
Zinc	=	810	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	59.57	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.25	
Cadmium	=	1.025	
Copper	=	500	
Lead	=	7.05	
Mercury	=	0.575	
Nickel	=	29	
Selenium	=	7.65	
Zinc	=	790	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55500	

Compliance Monitoring Event No. 12	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	12/01/2021	12/31/2021

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑ YES □ NO

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
raiailietei	value Qualifier	basis of Passirally	rollowing	
Arsenic	J (Below RL but Above MDL)	8.9		
Cadmium	=	0.97		
Copper	=	460		
Lead	=	5.2		
Mercury	=	0.76		
Molybdenum	=	14		
Nickel	=	29		
Selenium	=	8.4		
Zinc	=	810		

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	65.38	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following		
Arsenic	J (Below RL but Above MDL)	8.45			
Cadmium	=	0.925			
Copper	=	450			
Lead	=	5.1			
Mercury	=	0.61			
Nickel	=	28.5			
Selenium	=	7.85			
Zinc	=	810			

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	57000	

ID: 002

Amount: 8197

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:

Liberty Compost 12421 Holloway Road Lost Hill, CA 93249 US Contact Information:

Patrick McCarthy
Site Manager
661-797-2914
patrickmccarthy@mccarthyfarms.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐YES ☑NO ☐UNKNOWN

#### Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage studge or biosolids are applied to the land. Please use the following section to report monitoring data four the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage studge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503.8(a) CSUbpart B).

#### Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/lext-idx? node=pi40.32.503.8rgn=divfs#se40.32.503.316)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2021

Compliance Monitoring Period End Date: 01/31/2021

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑YES □NO

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_13)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Cadmium	=	2.7	
Copper	=	370	
Lead	=	2.6	
Mercury	<	1	
Molybdenum	=	15	
Nickel	=	28	
Selenium	=	6.8	
Zinc	=	590	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.2	
Cadmium	=	2.7	
Copper	=	370	
Lead	=	2.6	
Mercury	<	1	
Nickel	=	28	
Selenium	=	6.8	
Zinc	=	590	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	42000	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	02/01/2021	02/28/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage slage in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.25.03&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	<	1	
Copper	=	47	
Lead	=	21	
Mercury	<	1	
Molybdenum	=	3.7	
Nickel	=	16	
Selenium	<	1	
Zinc	=	130	

Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Classa S a Sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.1	
Cadmium	<	1	
Copper	=	47	
Lead	=	21	
Mercury	<	1	
Nickel	=	16	
Selenium	<	1	
Zinc	=	130	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	26000	

Compliance Monitoring Event No. 3	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	03/01/2021	03/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	<	3.4	
Copper	=	410	
Lead	=	14	
Mercury	<	1	
Molybdenum	=	16	
Nickel	=	32	
Selenium	=	10	
Zinc	=	660	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	<	3.4	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Copper	=	410		
Lead	=	14		
Mercury	<	1		
Nickel	=	32		
Selenium	=	10		
Zinc	=	660		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	40000	

Compliance Monitoring Event No. 4 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 04/01/2021 O4/30/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge application experience or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	3.2	
Copper	=	370	
Lead	=	15	
Mercury	<	1	
Molybdenum	=	16	
Nickel	=	31	
Selenium	=	9.2	
Zinc	=	620	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	6.2		
Cadmium	=	3.2		
Copper	=	370		
Lead	=	15		
Mercury	<	1		
Nickel	=	31		
Selenium	=	9.2		
Zinc	=	620		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight	If No Data, Select One Of The
Parameter	Qualifier	basis)	Following

Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	37000	
ompliance Monitoring Event No. 5	Co	mpliance Monitoring Period Start Date: Co	mpliance Monitoring Period End Date:
			/31/2021
o you have analytical results to report	t for this monitori	ng period? ☑ YES □ NO	
		at are equivalent to the monthly average pollutant con lected and analyzed one sample of sewage sludge or	
☐YES ☑NO			
aximum Concentration Data for All Se	aa Sludaa aa	Discolide Applied to 1 and	
period for this SSUID. In accordance w regulations prohibit land application of	vith 40 CFR 503.13 bulk sewage slude	trations in the biosolids or sewage sludge that was applied \$(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.50 ge or sewage sludge sold or gave away sewage sludge in age sludge exceed a land application ceiling pollutant limit	3&rgn=div5#se40.32.503_113), EPA's a bag or other container when one or
the ceiling concentration limits in Table	1 of 40 CFR 503.	gn=div5#se40.32.503_113)). EPA will compare the pollute 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503 uld be reported in milligrams per kilogram (mg/kg), dry wei	ant concentrations in this section against &rgn=div5#se40.32.503_113) to identify
the ceiling concentration limits in Table noncompliance events. All pollutant me	e 1 of 40 CFR 503. onitoring data shou	gn=div5#se40.32.503_113)). EPA will compare the polluta 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503	ant concentrations in this section against &rgn=div5#se40.32.503_113) to identify ght basis.
the ceiling concentration limits in Table noncompliance events. All pollutant me	e 1 of 40 CFR 503. onitoring data shou	gn=div5#se40.32.503_113)). EPA will compare the pollute 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503 uld be reported in milligrams per kilogram (mg/kg), dry wei	ant concentrations in this section against &rgn=div5#se40.32.503_113) to identify ght basis.
the ceiling concentration limits in Table noncompliance events. All pollutant mr Please only select a "No Data Indicato Sewage Sludge or Biosolids	e 1 of 40 CFR 503. onitoring data shou	gn=div5#se40.32.503_113)). EPA will compare the pollute 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503 uld be reported in milligrams per kilogram (mg/kg), dry wei	ant concentrations in this section against &rgn=div5#se40.32.503_113) to identify ght basis.
the ceiling concentration limits in Table noncompliance events. All pollutant mr Please only select a "No Data Indicato Sewage Sludge or Biosolids Parameter	e 1 of 40 CFR 503. onitoring data show or Code" if you are Value	gn=div5#se40.32.503_113)). EPA will compare the polluta 13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.503 uld be reported in milligrams per kilogram (mg/kg), dry wei reporting no data for the sampling period or particular par Parameter Concentration (mg/kg, dry-weight basis	ant concentrations in this section against & rgm=drib#se40.32.503_113) to identify ght basis.  ameter.  If No Data, Select One Of The
the ceiling concentration limits in Table noncompliance events. All pollutant me Please only select a "No Data Indicato Sewage Studge or Biosolids Parameter  Arsenic	e 1 of 40 CFR 503. onitoring data shou or Code" if you are Value Qualifier	gn=div5#se40.32.503_113)). EPA will compare the polluta 13 (http://www.ecfr.gov/icgi-bin/text-idx?node=pt40.32.503 jid be reported in milligrams per kilogram (mg/kg), dry wei reporting no data for the sampling period or particular par.  Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	ant concentrations in this section against & rgm=drib#se40.32.503_113) to identify ght basis.  ameter.  If No Data, Select One Of The
the ceiling concentration limits in Table noncompliance events. All pollutant me Please only select a "No Data Indicato Sewage Sludge or Biosolids Parameter  Arsenic  Cadmium	e 1 of 40 CFR 503.  conitoring data shout  cr Code" if you are  Value  Qualifier  =	gn=div5#se40.32.503_113)). EPA will compare the polluti 13 (http://www.ecfr.gov/icg-bin/fext-icdx?node=pt40.32.503 id be reported in milligrams per kilogram (mg/kg), dry wei reporting no data for the sampling period or particular par. Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	ant concentrations in this section against & rgm=drib#se40.32.503_113) to identify ght basis.  ameter.  If No Data, Select One Of The
the ceiling concentration limits in Table noncompliance events. All pollutant mu Please only select a "No Data Indicato  Sewage Sludge or Biosolids Parameter  Arsenic  Cadmium  Copper	e 1 of 40 CFR 503. onitoring data shour Code" if you are  Value Qualifier  =	gn=div5#se40.32.503_113)). EPA will compare the pollution of the pollution of the provided in the pollution of the provided in the provided in the provided in the sampling period or particular parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)  11  1.7	ant concentrations in this section against & rgm=drib#se40.32.503_113) to identify ght basis.  ameter.  If No Data, Select One Of The
the ceiling concentration limits in Table noncompliance events. All pollutant mu Please only select a "No Data Indicato  Sewage Sludge or Biosolids Parameter  Arsenic  Cadmium  Copper	of 40 CFR 503. onitoring data shour Code" if you are  Value Qualifier  =  =	gn=div5#se40.32.503_113)). EPA will compare the polluta 13 (http://www.ecfr.gov/icgj-bin/ftext-ick?/node=pt40.32.503 jid be reported in milligrams per kilogram (mg/kg), dry wei reporting no data for the sampling period or particular parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)  11  1.7  480	ant concentrations in this section against & rgm=drib#se40.32.503_113) to identify ght basis.  ameter.  If No Data, Select One Of The

Arsenic	=	11	
Cadmium	=	1.7	
Copper	=	480	
Lead	=	17	
Mercury	<	1	
Molybdenum	=	16	
Nickel	=	32	
Selenium	=	4.6	
Zinc	=	790	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance  $monitoring\ period\ for\ this\ SSUID.\ All\ pollutant\ monitoring\ data\ should\ be\ reported\ in\ milligrams\ per\ kilogram\ (mg/kg),\ dry\ weight\ basis.$ 

Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
=	11	
=	1.7	
=	480	
=	17	
<	1	
=	32	
=	4.6	
=	790	
	Qualifier	Qualifier     or Pass/Fail)       =     11       =     1.7       =     480       =     17       <

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	37000	

Compliance Monitoring Event No. 6	Compliance Monitor 06/01/2021	ing Period	Start Date:	Compliance Monitoring Period End Date: 06/30/2021
Do you have analytical results to report for this	monitoring period?	<b>☑</b> YES	□NO	

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	2.3	
Copper	=	370	
Lead	=	2.6	
Mercury	=	1.1	
Molybdenum	=	13	
Nickel	=	29	
Selenium	=	5.7	
Zinc	=	660	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milliograms per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	2.3	
Copper	=	370	
Lead	=	2.6	
Mercury	=	1.1	
Nickel	=	29	
Selenium	=	5.7	
Zinc	=	660	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	42000	

Compliance Monitoring Event No. 7	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2021	07/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os leudge os lod or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.7	
Cadmium	=	2.1	
Copper	=	360	
Lead	=	15	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	28	
Selenium	=	5.5	
Zinc	=	660	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

0	Materia.	B	WALL DATE OF LAND OF STREET
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.7	
Cadmium	=	2.1	
Copper	=	360	
Lead	=	15	
Mercury	<	1	
Nickel	=	28	
Selenium	=	5.5	
Zinc	=	660	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39000	

Compliance Monitoring Event No. 8	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	08/01/2021	08/31/2021

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge os ludge osl or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.4	
Cadmium	=	2	
Copper	=	340	
Lead	=	14	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	27	
Selenium	=	5	
Zinc	=	550	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollulant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following		
Arsenic	=	5.4			
Cadmium	=	2			
Copper	=	340			
Lead	=	14			
Mercury	<	1			
Nickel	=	27			
Selenium	=	5			
Zinc	=	550			

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	36000	

Compliance Monitoring Event No. 9	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2021	09/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-ldx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge osludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.6	
Cadmium	=	2.3	
Copper	=	340	
Lead	=	12	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	27	
Selenium	=	5.2	
Zinc	=	580	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B — Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.6	
Cadmium	=	2.3	
Copper	=	340	
Lead	=	12	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Mercury	<	1	
Nickel	=	27	
Selenium	=	5.2	
Zinc	=	580	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	41000	

Compliance Monitoring Event No. 10	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	10/01/2021	10/31/2021

Do you have analytical results to report for this monitoring period? 

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503a=pt3-ediv5#se40.32.503\_113), EPA's regulations prolibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7	
Cadmium	=	2.7	
Copper	=	330	
Lead	=	13	
Mercury	=	0.9	
Molybdenum	=	20	
Nickel	=	27	
Selenium	=	6.5	
Zinc	=	710	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7	
Cadmium	=	2.7	
Copper	=	330	
Lead	=	13	
Mercury	=	0.9	
Nickel	=	27	
Selenium	=	6.5	
Zinc	=	710	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	38000	

	eport for this moni	itoring period?	ES □NO		
vent? [For example, this will be th eriod.]					centrations for this compliance monitor piosolids for this compliance monitoring
☐ YES ☑ NO					
laximum Concentration Data for A	II Sewage Sludge	or Biosolids Applied to L	and		
period for this SSUID. In accordar regulations prohibit land applicatio more sewage sludge pollutant cor (http://www.ecfr.gov/cgi-bin/text-id	nce with 40 CFR 50 on of bulk sewage s ncentrations in the s x?node=pt40.32.50 Table 1 of 40 CFR 5 nt monitoring datas	I3.13(a) (http://www.ecfr.gov sludge or sewage sludge sol sewage sludge exceed a lar 03&rgn=div5#se40.32.503_ 503.13 (http://www.ecfr.gov/ should be reported in milligr	/cgi-bin/text-idx?nd d or gave away se id application ceilir [13]). EPA will com cgi-bin/text-idx?no ams per kilogram (	ode=pt40.32.503 wage sludge in a ng pollutant limit npare the polluta de=pt40.32.5038 (mg/kg), dry weig	nt concentrations in this section against krgn=div5#se40.32.503_113) to identify ght basis.
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentra	tion (mg/kg, dry-	weight basis	If No Data, Select One Of The Following
Arsenic	=	6.6			. one many
Cadmium	-	2.4			
	=				
Copper		400			
Lead	=	14			
Mercury	<	1			
Molybdenum	=	20			
Nickel	=	30			
Selenium	=	8			
Zinc	=	670			
Sewage Sludge or Biosolids Para	meter	Value Qualifier	Value	If No Data, S	elect One Of The Following
Fecal Coliform		<	7.5		
Salmonella		<	3		
This section summarizes the mon- monitoring period for this SSUID.					applied to land during the compliance ), dry weight basis.
Sewage Sludge or Biosolids	Value	Parameter Concentra	tion (mg/kg, dry-	weight basis	If No Data, Select One Of The
	Qualifier	or Pass/Fail)	tion (mg/kg, dry-	weight basis	If No Data, Select One Of The Following
Parameter  Arsenic			tion (mg/kg, dry-	weight basis	
Parameter  Arsenic	Qualifier	or Pass/Fail)	tion (mg/kg, dry-	weight basis	
Parameter Arsenic Cadmium	Qualifier =	or Pass/Fail)	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic  Cadmium  Copper	Qualifier =	or Pass/Fail) 6.6 2.4	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic Cadmium  Copper	Qualifier = = =	or Pass/Fail) 6.6 2.4 400	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury	Qualifier = = = = =	or Pass/Fail) 6.6 2.4 400 14	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel	Qualifier  = = = = <	or Pass/Fail) 6.6 2.4 400 14	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium	Qualifier  = = = = <	or Pass/Fail) 6.6 2.4 400 14 1 30	tion (mg/kg, dry-	weight basis	
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium	Qualifier  = = = = = = (mg/kg, dry weight	or Pass/Fail) 6.6 2.4 400 14 1 30 8 670			
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the compila  Sewage Sludge or Biosolids	Qualifier  = = = = = = (mg/kg, dry weight	or Pass/Fail) 6.6 2.4 400 14 1 30 8 670	.'N plus Nitrate-Nitr	ite, as N) in the	Following
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the compila  Sewage Studge or Biosolids  Parameter	Qualifier  = = = = (mg/kg, dry weight noe monitoring per	or Pass/Fail) 6.6 2.4 400 14 1 30 8 670 basis) of Total Nitrogen (Triod for this SSUID.	.'N plus Nitrate-Nitr	ite, as N) in the	Following  Sewage sludge or biosolids that was
Copper Lead Mercury Nickel Selenium Zinc Report the average concentration	Qualifier  = = = = (mg/kg, dry weight noe monitoring per	or Pass/Fail)  6.6  2.4  400  14  1  30  8  670  basis) of Total Nitrogen (TRiod for this SSUID.	.'N plus Nitrate-Nitr	ite, as N) in the	Following  Sewage sludge or biosolids that was
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the compilia  Sewage Sludge or Biosolids  Parameter  Total Nitrogen (TKN plus Nitrate-Nitrogen)  ompliance Monitoring Event No. 1	Qualifier  = = = = (mg/kg, dry weight noce monitoring per  Value Qualifier =   title	or Pass/Fail)  6.6  2.4  400  14  1  30  8  670  basis) of Total Nitrogen (Triod for this SSUID.  Parameter Concessis)  38000  Compliance Monitoring F	'N plus Nitrate-Nitr intration (mg/kg,	ite, as N) in the dry-weight Cor	Following  Sewage sludge or biosolids that was
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the compilia  Sewage Sludge or Biosolids  Parameter  Total Nitrogen (TKN plus Nitrate-Nits  on you have analytical results to re- re you reporting maximum pollute vent? [For example, this will be the	Qualifier  = = = = (mg/kg, dry weight noce monitoring per  Value Qualifier rite) =	or Pass/Fail)  6.6  2.4  400  14  1  30  8  670  basis) of Total Nitrogen (Triod for this SSUID.  Parameter Concebasis)  38000  Compliance Monitoring F 12/01/2021  ttoring period?  Y	N plus Nitrate-Nitr entration (mg/kg, Period Start Date: ES □ NO	ite, as N) in the dry-weight  Cor 12/	Following  sewage sludge or biosolids that was  If No Data, Select One Of The Following  mpliance Monitoring Period End Date: 31/2021
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the compilia  Sewage Sludge or Biosolids  Parameter  Total Nitrogen (TKN plus Nitrate-Nits  on you have analytical results to re- re you reporting maximum pollute vent? [For example, this will be the	Qualifier  = = = = (mg/kg, dry weight noce monitoring per  Value Qualifier rite) =	or Pass/Fail)  6.6  2.4  400  14  1  30  8  670  basis) of Total Nitrogen (Triod for this SSUID.  Parameter Concebasis)  38000  Compliance Monitoring F 12/01/2021  ttoring period?  Y	N plus Nitrate-Nitr entration (mg/kg, Period Start Date: ES □ NO	ite, as N) in the dry-weight  Cor 12/	Following  sewage sludge or biosolids that was  If No Data, Select One Of The Following  mpliance Monitoring Period End Date: 31/2021
Parameter  Arsenic  Cadmium  Copper  Lead  Mercury  Nickel  Selenium  Zinc  Report the average concentration applied to land during the complia  Sewage Sludge or Biosolids  Parameter  Total Nitrogen (TKN plus Nitrate-Nitrate-Nitrate)  ompliance Monitoring Event No. 1  o you have analytical results to reive you reporting maximum pollutivent? [For example, this will be the eriod.]	Qualifier  = = = = (mg/kg, dry weight nee monitoring per Value Qualifier rite) =	or Pass/Fail)  6.6  2.4  400  14  1  30  8  670  basis) of Total Nitrogen (Trick of for this SSUID.  Parameter Concession)  38000  Compliance Monitoring F 12/01/2021  ittoring period?  Y	N plus Nitrate-Nitr entration (mg/kg, Period Start Date: ES □ NO enonthly average ne sample of sew	ite, as N) in the dry-weight  Cor 12/	Following  sewage sludge or biosolids that was  If No Data, Select One Of The Following  mpliance Monitoring Period End Date:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6	
Cadmium	=	2	
Copper	=	390	
Lead	=	13	
Mercury	<	1	
Molybdenum	=	19	
Nickel	=	28	
Selenium	=	6.3	
Zinc	=	700	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6	
Cadmium	=	2	
Copper	=	390	
Lead	=	13	
Mercury	<	1	
Nickel	=	28	
Selenium	=	6.3	
Zinc	=	700	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39000	

ID: <u>004</u>

Amount: 10466

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information: Synagro - Nursery Products PO Box 1439 Helendale, CA 92342 Contact Information:
Venny Vasquez
Site Manager
760-265-5210
vvasquez@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

□YES ☑NO □UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/lext-idx?node=pt40.32.5038rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_116)).

Compliance Monitoring Event No. 1 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date:

Do you have analytical results to report for this monitoring period? ☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.1

☐YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cqi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503 113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	4.1		
Cadmium	=	2.3		
Copper	=	180		
Lead	=	18		
Mercury	<	1		
Molybdenum	=	9.4		
Nickel	=	17		
Selenium	=	6.3		
Zinc	=	400		

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

## Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	2.3	
Copper	=	180	
Lead	=	18	
Mercury	<	1	
Nickel	=	17	
Selenium	=	6.3	
Zinc	=	400	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	26010	

Compliance Monitoring Event No. 2 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 02/01/2021 02/28/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ▼NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag of the container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following				
Arsenic	=	3.8					
Cadmium	=	2.3					
Copper	=	200					
Lead	=	18					
Mercury	<	1					
Molybdenum	=	8.7					
Nickel	=	18					
Selenium	=	5.8					
Zinc	=	380					

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.8	
Cadmium	=	2.3	
Copper	=	200	
Lead	=	18	
Mercury	<	1	
Nickel	=	18	
Selenium	=	5.8	
Zinc	=	380	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	25053	

Compliance Monitoring Event No. 3 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 03/01/2021 03/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.13)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.8rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.9	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Cadmium	=	2.4	
Copper	=	230	
Lead	=	15	
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	21	
Selenium	=	8	
Zinc	=	460	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.9	
Cadmium	=	2.4	
Copper	=	230	
Lead	=	15	
Mercury	<	1	
Nickel	=	21	
Selenium	=	8	
Zinc	=	460	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	26006	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	04/01/2021	04/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.43)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	Qualifier or Pass/Fail)	Following
Arsenic	=	5.1	
Cadmium	=	2.3	
Copper	=	210	
Lead	=	18	
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	20	
Selenium	=	7.9	
Zinc	-	480	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric

mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)]

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following		
Arsenic	=	5.1			
Cadmium	=	2.3			
Copper	=	210			
Lead	=	18			
Mercury	<	1			
Nickel	=	20			
Selenium	=	7.9			
Zinc	=	480			

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	26020	

	d Start Date: Compliance Monitoring Period End Date:
05/01/2021	05/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.5038rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	3.1	
Copper	=	280	
Lead	=	19	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	23	
Selenium	=	9.4	
Zinc	=	580	

# Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5	
Cadmium	=	2.6	
Copper	=	230	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Lead	=	16	
Mercury	<	1	
Nickel	=	22	
Selenium	=	8.1	
Zinc	=	495	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	29012	

Compliance Monitoring Event No. 6 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 06/01/2021 06/30/2021 06/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40 32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7	
Cadmium	=	3.4	
Copper	=	310	
Lead	=	19	
Mercury	<	1	
Molybdenum	=	16	
Nickel	=	27	
Selenium	=	12	
Zinc	=	640	

# Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	2.8	
Copper	=	273	
Lead	=	18	
Mercury	<	1	
Nickel	=	24	
Selenium	=	10	
Zinc	=	577	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	31006	

eriod.]  VES NO  laximum Concentration Data for All  This section summarizes the maxin period for this SSUID. In accordanc regulations prohibit land application more sewage sludge pollutant conc (http://www.edfr.gov/cgj-bin/text-idx*	Seway num po se with of bulk entration ?node= able 1 of monitor ator Co	ge Sludge of flutant conc 40 CFR 503 c sewage slo consistence in the si cpt40.32.503 of 40 CFR 50 pring data sl	or Bios entratio i.13(a) udge o ewage 3&rgn= 03.13 ( nould b	nolids Applied to Land ons in the biosolids or sr (http://www.ecfr.gov/cgi r sewage sludge sold or sludge exceed a land a div5#se40,32.503_113) http://www.ecfr.gov/cgi- ie reported in milligrams	ewage sludge t -bin/text-idx?nc gave away se pplication ceilin ). EPA will com pin/text-idx?noc	nat was applied t de=pt40.32.5038 wage sludge in a g pollutant limit (' pare the pollutan	
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Parameter				ining no data for the ca	mpling period o	mg/kg), dry weigh	rgn=div5#se40.32.503_113) to identify nt basis.
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	=		4.8				
Cadmium	=		2.4				
Copper	-		23				
Lead	-		22				
	= <		-				
Mercury			1				
Molybdenum	-		11				
Nickel	-		19				
Selenium	=		7.8				
Zinc	=		46	)			
Report the pathogen densities in the maximum pathogen density for Clas mean of the density of fecal coliforn	ss A se	wage sludg	e or bi	osolids. When using the	Class B - Alte	mative 1 manage	or this SSUID. Please report the ement option, please report the geometric
Sewage Sludge or Biosolids Param	neter		Va	lue Qualifier	Value	If No Data, Se	lect One Of The Following
Fecal Coliform			<		2		
Salmonella			<		3		
monitoring period for this SSUID. A	ıly aver	age pollutar ant monitor	nt conc ng dat	entrations in the biosolia should be reported in	ds or sewage s milligrams per	ludge that was ap kilogram (mg/kg),	
Sewage Sludge or Biosolids Parameter		ue alifier		rameter Concentration Pass/Fail)	i (mg/kg, ary-v	veignt basis	If No Data, Select One Of The Following
Arsenic	=		4.8				
Cadmium	=		2.4				
Copper	=		23	)			
Lead	=		22				
Mercury	<		1				
Nickel	=		19				
Selenium	-		7.8				
Zinc	-		46				
Report the average concentration (if applied to land during the compliance	mg/kg,		oasis) o	of Total Nitrogen (TKN p	lus Nitrate-Nitri	te, as N) in the se	ewage sludge or biosolids that was
Sewage Sludge or Biosolids Parameter		Value Qualifier		Parameter Concentre basis)	ation (mg/kg, o	lry-weight	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrit	e) :	=		27002			
arameter		Qualifier		basis)	ation (mg/kg, o	lry-weight	
ompliance Monitoring Event No. 8			Compl 08/01/	iance Monitoring Peri	od Start Date:		pliance Monitoring Period End Date:
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http://www.edr.gov/cgi-bin/text-idx?node=pi40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.edr.gov/cgi-bin/text-idx?node=pi40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.9	
Cadmium	=	3.2	
Copper	=	280	
Lead	=	24	
Mercury	<	1	
Molybdenum	=	18	
Nickel	=	30	
Selenium	=	11	
Zinc	=	530	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.9	
Cadmium	=	3.2	
Copper	=	280	
Lead	=	24	
Mercury	<	1	
Nickel	=	30	
Selenium	=	11	
Zinc	=	530	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	23009	

Compliance Monitoring Event No. 9	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2021	09/30/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os ludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6	
Cadmium	=	1.9	
Copper	=	270	
Lead	=	30	
Mercury	<	1	
Molybdenum	=	9.3	
Nickel	=	23	
Selenium	=	6.7	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Zinc	=	480	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6	
Cadmium	=	1.9	
Copper	=	270	
Lead	=	30	
Mercury	<	1	
Nickel	=	23	
Selenium	=	6.7	
Zinc	=	480	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	21021	

Compliance Monitoring Event No. 10	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	10/01/2021	10/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	3.1	
Copper	=	310	
Lead	=	18	
Mercury	<	1	
Molybdenum	=	14	
Nickel	=	25	
Selenium	=	7.9	
Zinc	=	540	

# Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	3.1	
Copper	=	295	
Lead	=	18	
Mercury	<	1	
Nickel	=	25	
Selenium	=	7.9	
Zinc	=	535	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	28003	

Compliance Monitoring Event No. 11 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 11/01/2021 11/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.6	
Cadmium	=	3	
Copper	=	240	
Lead	=	18	
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	21	
Selenium	=	8.1	
Zinc	=	520	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

## Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	5.6		
Cadmium	=	3		
Copper	=	240		
Lead	=	18		
Mercury	<	1		
Nickel	=	21		
Selenium	=	8.1		
Zinc	=	520		

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	26003	

Compliance Monitoring Event No. 12 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 12/01/2021 12/31/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503xgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os ludge osl or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503.473). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503xgn=div5#se40.32.503.113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/ky), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.5	
Cadmium	=	3.2	
Copper	=	240	
Lead	=	18	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	22	
Selenium	=	9.1	
Zinc	=	540	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	5.5		
Cadmium	=	3.2		
Copper	=	240		
Lead	=	18		
Mercury	<	1		
Nickel	=	22		
Selenium	=	9.1		
Zinc	=	540		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	27009	

ID: 005

Amount: 5025

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

#### NPDES ID of handler:

Facility Information: Synagro - South Kern Compost Manufacturing Facility

Synagro - South Kern Compost Manufactur PO Box 265 Taft, CA 93268 Contact Information:
Rob Rankin
Site Manager
661-765-2200
rrankin@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

. Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

□YES ☑NO □UNKNOWN

#### Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage studge or biosolids are applied to the land. Please use the following section to report monitoring data four the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage studge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gow/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

#### Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx? node=pt40.32.503&rgn=div5#se40.32.503\_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2021

Compliance Monitoring Period End Date:

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☑YES □NO

☐YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_4rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.8	
Cadmium	=	4.5	
Copper	=	260	
Lead	=	23	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	23	
Selenium	=	9.1	
Zinc	=	550	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Value		Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	3.13	
Cadmium	=	3.12	
Copper	=	254	
Lead	=	18.8	
Mercury	<	0.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Nickel	=	21.1	
Selenium	<	4.67	
Zinc	=	478	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34034	

Compliance Monitoring Event No. 2 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 02/01/2021 02/28/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rga-div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage gladge in abgor of ther container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5038\_rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.1	
Cadmium	=	4.6	
Copper	=	399	
Lead	=	24	
Mercury	=	0.37	
Molybdenum	=	17	
Nickel	=	28	
Selenium	=	12	
Zinc	=	630	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter			If No Data, Select One Of The Following		
Arsenic	=	4.2			
Cadmium	=	4			
Copper	=	360			
Lead	=	21.1			
Mercury	<	0.69			
Nickel	=	27.4			
Selenium	<	6.12			
Zinc	=	584			

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	33015	

03/01/2021 03/31/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring parted.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os leudge os lod or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.7	
Cadmium	=	4.5	
Copper	=	300	
Lead	=	23	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	26	
Selenium	=	9.5	
Zinc	=	620	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	120	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.13	
Cadmium	=	3.3	
Copper	=	299	
Lead	=	20.5	
Mercury	<	0.6	
Nickel	=	25.9	
Selenium	<	4.87	
Zinc	=	561	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34012	

Compliance Monitoring Event No. 4 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 04/01/2021 04/30/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_173)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fall)	If No Data, Select One Of The Following
Arsenic	=	3.9	
Cadmium	=	3.3	
Copper	=	290	
Lead	=	20	
Mercury	<	1	
Molybdenum	=	11.5	
Nickel	=	23.4	
Selenium	=	8	
Zinc	=	484	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following			
Arsenic	=	2.97				
Cadmium	=	2.64				
Copper	=	255				
Lead	=	18				
Mercury	<	0.68				
Nickel	=	21.2				
Selenium	<	4.12				
Zinc	=	467				

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	31007	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	05/01/2021	05/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prolibil land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag ofter container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.4	
Cadmium	=	3.9	
Copper	=	369	
Lead	=	21	
Mercury	<	1	
Molybdenum	=	11.7	
Nickel	=	28.3	
Selenium	=	8.1	
Zinc	=	510	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Aldernative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following		
=	3.1			
=	3.5			
=	305			
=	18.6			
<	0.6			
=	25.2			
<	4.12			
=	509			
	Qualifier	Qualifier     or Pass/Fail)       =     3.1       =     3.5       =     305       =     18.6       <		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	31011	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	06/01/2021	06/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.4	
Cadmium	=	3.8	
Copper	=	341	
Lead	=	25	
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	21.1	
Selenium	=	7.2	
Zinc	=	480	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	460	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.44	
Cadmium	=	2.93	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Copper	=	301	
Lead	=	20.3	
Mercury	<	0.64	
Nickel	=	20.6	
Selenium	<	3.72	
Zinc	=	476	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	30011	

Compliance Monitoring Event No. 7 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 07/01/2021 07/31/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge application experience of the sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.6	
Cadmium	=	3.6	
Copper	=	273	
Lead	=	24	
Mercury	<	1	
Molybdenum	=	10	
Nickel	<	21	
Selenium	=	6.5	
Zinc	=	500	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.53	
Cadmium	=	2.67	
Copper	=	262	
Lead	=	19.6	
Mercury	<	0.6	
Nickel	=	20.8	
Selenium	<	3.37	
Zinc	=	462	

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight	If No Data, Select One Of The
Parameter	Qualifier	basis)	Following

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-we basis)	ight	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	28014		
Compliance Monitoring Event No. 8	Comp	liance Monitoring Period Start Date:	Com	pliance Monitoring Period End Date:
	08/01	•		1/2021

□YES ☑NO

period.]

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge way sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503srgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.5	
Cadmium	=	4.9	
Copper	=	326	
Lead	=	27	
Mercury	=	0.26	
Molybdenum	=	15	
Nickel	=	33	
Selenium	<	10	
Zinc	=	600	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	3.35	
Copper	=	318	
Lead	=	22.8	
Mercury	<	0.63	
Nickel	=	26.2	
Selenium	<	5.12	
Zinc	=	515	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	27009	

Compliance Monitoring Event No. 9	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2021	09/30/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_t173]. EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5f8se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.4	
Cadmium	=	3.5	
Copper	=	313	
Lead	=	22	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	24	
Selenium	=	8.8	
Zinc	=	500	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milliograms per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.43	
Cadmium	=	2.71	
Copper	=	307	
Lead	=	19.6	
Mercury	<	0.6	
Nickel	=	22.9	
Selenium	=	8.27	
Zinc	=	483	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	29017	

Compliance Monitoring Event No. 10 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 10/01/2021 10/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os leudge os lod or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.1	
Cadmium	=	3.5	
Copper	=	313	
Lead	=	24	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	23	
Selenium	=	7.7	
Zinc	=	520	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewag	ge Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal 0	Coliform	<	2	
Salmo	nella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	3.7	
Cadmium	=	2.67	
Copper	=	292	
Lead	=	21.2	
Mercury	<	0.6	
Nickel	=	22.5	
Selenium	=	7.62	
Zinc	=	480	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	31036	

Compliance Monitoring Event No. 11	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	11/01/2021	11/30/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os ludge osl or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	5.8	
Cadmium	=	3.5	
Copper	=	300	
Lead	=	28	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	26	
Selenium	=	8.3	
Zinc	=	570	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	460	
Salmonella	<	3	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollulant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	3.8		
Cadmium	=	2.7		
Copper	=	300		
Lead	=	22.5		
Mercury	<	0.55		
Nickel	=	23.5		
Selenium	=	8		
Zinc	=	515		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	28028	

Compliance Monitoring Event No. 12	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	12/01/2021	12/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.503\_17gn=div5#se40.32.50

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.4	
Cadmium	=	3.5	
Copper	=	280	
Lead	=	24	
Mercury	<	0.31	
Molybdenum	=	10	
Nickel	=	22	
Selenium	=	8.2	
Zinc	=	490	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B — Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	2	
Salmonella	<	3	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.4	
Cadmium	=	2.9	
Copper	=	260	
Lead	=	22.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Mercury	<	0.66	
Nickel	=	21	
Selenium	=	7.5	
Zinc	=	480	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	30022	

ID: 006

Amount: 171

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information: Synagro - AZ Soils 5615 S. 91st Avenue Tolleson, AZ 85353

Contact Information: Craig Geyer Area Director of Composting Cgeyer@synagro.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

· Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

□YES ☑NO □UNKNOWN

#### Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/lext-idx?node=pt40.32.5038rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

#### Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?

node=pt40.32.503&rgn=div5#se40.32.503\_116)).
Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2021

Compliance Monitoring Period End Date: 01/31/2021

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ▼NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/icgi-blin/lext-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503 113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
=	8.2	
=	1.8	
=	460	
=	12	
=	1.1	
	Qualifier = = = =	Qualifier         or Pass/Fail)           =         8.2           =         1.8           =         460           =         12

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Molybdenum	=	13	
Nickel	=	19	
Selenium	=	8.8	
Zinc	=	840	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	25	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	8.2	
Cadmium	=	1.8	
Copper	=	460	
Lead	=	12	
Mercury	=	1.1	
Nickel	=	19	
Selenium	=	8.8	
Zinc	=	840	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34827	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	02/01/2021	02/28/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

-□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	0.58	
Copper	=	150	
Lead	=	4.2	
Mercury	=	0.88	
Molybdenum	=	4.9	
Nickel	=	7.1	
Selenium	=	2.3	
Zinc	=	290	

# Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	24	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Salmonella	<	1	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.8	
Cadmium	=	0.58	
Copper	=	150	
Lead	=	4.2	
Mercury	=	0.88	
Nickel	=	7.1	
Selenium	=	2.3	
Zinc	=	290	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	30123	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 03/01/2021

Compliance Monitoring Period End Date: 03/31/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prolibil land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag ofter container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.5	
Cadmium	=	0.83	
Copper	=	160	
Lead	=	5.3	
Mercury	=	1.2	
Molybdenum	=	5.7	
Nickel	=	7.4	
Selenium	=	3.7	
Zinc	=	410	

# Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B — Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	27	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.5	
Cadmium	=	0.83	
Copper	=	160	
Lead	=	5.3	
Mercury	=	1.2	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Nickel	=	7.4	
Selenium	=	3.7	
Zinc	=	410	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	47026	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date:  $\underline{04/01/2021}$ 

Compliance Monitoring Period End Date:

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_173), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_173)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.9	
Cadmium	=	0.54	
Copper	=	140	
Lead	=	3.6	
Mercury	=	1.1	
Molybdenum	=	4.7	
Nickel	=	6.3	
Selenium	=	2.6	
Zinc	=	270	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	23	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following				
Arsenic	=	2.9					
Cadmium	=	0.54					
Copper	=	140					
Lead	=	3.6					
Mercury	=	1.1					
Nickel	=	6.3					
Selenium	=	2.6					
Zinc	-	270					

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39526	

05/01/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os leudge os lod or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.8	
Cadmium	=	0.64	
Copper	=	150	
Lead	=	4.2	
Mercury	=	0.67	
Molybdenum	=	5.9	
Nickel	=	6.1	
Selenium	=	3.8	
Zinc	=	340	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B - Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	550	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.8	
Cadmium	=	0.64	
Copper	=	150	
Lead	=	4.2	
Mercury	=	0.67	
Nickel	=	6.1	
Selenium	=	3.8	
Zinc	=	340	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	46227	

Compliance Monitoring Event No. 6 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 06/01/2021 06/30/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.2	
Cadmium	=	0.57	
Copper	=	140	
Lead	=	3.5	
Mercury	=	0.68	
Molybdenum	=	5.7	
Nickel	=	6.3	
Selenium	=	2.8	
Zinc	=	300	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	25	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.2	
Cadmium	=	0.57	
Copper	=	140	
Lead	=	3.5	
Mercury	=	0.68	
Nickel	=	6.3	
Selenium	=	2.8	
Zinc	=	300	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	43627	

Compliance Monitoring Event No. 7	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2021	07/31/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prolibil land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag ofter container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.3	
Cadmium	=	0.69	
Copper	=	170	
Lead	=	4.7	
Mercury	=	0.72	
Molybdenum	=	7	
Nickel	=	6.8	
Selenium	=	3.5	
Zinc	=	380	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Classa S a Sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	26	
Salmonella	<	1	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.3	
Cadmium	=	0.69	
Copper	=	170	
Lead	=	4.7	
Mercury	=	0.72	
Nickel	=	6.8	
Selenium	=	3.5	
Zinc	=	380	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	44927	

Compliance Monitoring Event No. 8	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	08/01/2021	08/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	1.8	
Cadmium	=	0.35	
Copper	=	87	
Lead	=	3.1	
Mercury	=	0.73	
Molybdenum	=	3.8	
Nickel	=	4.1	
Selenium	=	2.2	
Zinc	=	230	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	66	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	1.8	
Cadmium	=	0.35	

Sewage Sludge or Biosolids			If No Data, Select One Of The		
Parameter	Qualifier	or Pass/Fail)	Following		
Copper	=	87			
Lead	=	3.1			
Mercury	=	0.73			
Nickel	=	4.1			
Selenium	=	2.2			
Zinc	=	230			

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	42427	

Compliance Monitoring Event No. 9 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 09/01/2021 09/30/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge application experience of the sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.4	
Cadmium	=	0.47	
Copper	=	120	
Lead	=	3.2	
Mercury	=	0.74	
Molybdenum	=	5.1	
Nickel	=	5.1	
Selenium	=	2.2	
Zinc	=	250	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	25	
Salmonella	<	1	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	2.4	
Cadmium	=	0.47	
Copper	=	120	
Lead	=	3.2	
Mercury	=	0.74	
Nickel	=	5.1	
Selenium	=	2.2	
Zinc	=.	250	

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight	If No Data, Select One Of The
Parameter	Qualifier	basis)	Following

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-we basis)	eight	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	36127		
Compliance Monitoring Event No. 10		npliance Monitoring Period Start Date: 01/2021		pliance Monitoring Period End Date: 1/2021

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

period.]

□YES ☑NO

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_17g13), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage give in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	1	
Copper	=	280	
Lead	=	6.4	
Mercury	=	0.86	
Molybdenum	=	9.7	
Nickel	=	11	
Selenium	=	5.1	
Zinc	=	610	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	=	29	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.8	
Cadmium	=	1	
Copper	=	280	
Lead	=	6.4	
Mercury	=	0.86	
Nickel	=	11	
Selenium	=	5.1	
Zinc	=	610	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	43229	

Compliance Monitoring Event No. 11	Compliance Mon	itoring Perio	od Start Date:	Compliance Monitoring Period End Date: 11/30/2021
Do you have analytical results to report for th	is monitoring period?	<b>☑</b> YES	□NO	

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=cliv5#se40.32.503\_r13), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sledge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=cliv5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=cliv5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.7	
Cadmium	=	0.95	
Copper	=	280	
Lead	=	5.6	
Mercury	=	0.6	
Molybdenum	=	10	
Nickel	=	10	
Selenium	=	5.2	
Zinc	=	540	

#### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	27	
Salmonella	<	1	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milliograms per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.7	
Cadmium	=	0.95	
Copper	=	280	
Lead	=	5.6	
Mercury	=	0.6	
Nickel	=	10	
Selenium	=	5.2	
Zinc	=	540	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	45729	

Compliance Monitoring Event No. 12 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 12/01/2021 12/31/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge os leudge os lod or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.2	
Cadmium	=	0.52	
Copper	=	130	
Lead	=	3.5	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Mercury	=	0.63	
Molybdenum	=	5.5	
Nickel	=	5.6	
Selenium	=	2.5	
Zinc	=	280	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	24	
Salmonella	<	1	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	3.2	
Cadmium	=	0.52	
Copper	=	130	
Lead	=	3.5	
Mercury	=	0.63	
Nickel	=	5.6	
Selenium	=	2.5	
Zinc	=	280	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	59325	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 007

Amount: 584

Management Practice Detail: Other

Other Management Practice Detail Description: Heat dryer to >90% solids

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Rialto Bioenergy Facility (Anaergia)
503 East Santa Ana Avenue
Rialto, CA 92316
US

Contact Information:
John Hutson
Facility Manager
909-990-1734

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID?  $\hfill YES \quad \ensuremath{\mbox{$\sc W$}}\mbox{NO} \quad \hfill UNKNOWN$ 

ID: 008

Amount: 322

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Holloway Environmental
13850 Holloway Road
Lost Hills, CA 93249
US

Contact Information:

Dan Allen
Chief Operating Officer
661-758-6485
dan.allen@hmholloway.com

Pathogen Class: Not Applicable

Do you have any deficiencies to report for this SSUID?  $\square$  YES  $\square$  NO  $\square$  UNKNOWN

#### Additional Information

Please enter any additional information that you would like to provide in the comment box below.

- OC San has attached the electronic version of the annual report broken into smaller sections. Alternatively, the complete file is available at www.ocsan.gov/503. - Rialto Bioenergy Facility (RBF) started receiving up to 100 tons per day of OC San biosolids in September 2021. The RBF tonnages are reported in the Other Management Practice section as ID 007. Please contact Deirdre Bingman at dbingman@ocsan.gov or 714-655-1547 if you have any questions.

#### Additional Attachments

Name	Created Date	Size
Biosolid_Annual_Rept_2021 - part 1 for upload.pdf	02/15/2022 7:11 AM	2.99 MB
Biosolid_Annual_Rept_2021 - Appx A - part 2 for upload.pdf	02/15/2022 7:58 AM	2.37 MB
Biosolid_Annual_Rept_2021 - Appx B-C - part 3 for upload.pdf	02/15/2022 8:12 AM	457.90 KB
Biosolid_Annual_Rept_2021 - Appx E - part 4 for upload.pdf	02/15/2022 8:22 AM	303.36 KB
Biosolid_Annual_Rept_2021 - Appx F - part 5 for upload.pdf	02/15/2022 8:23 AM	324.59 KB

#### Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Lan Wiborg (LWIBORG@OCSD.COM)

Certified On: 02/17/2022 1:29 PM

Biosolids Annual Report Landing Page (https://npdes-ereporting.epa.gov/net-biosolids/action/secured/home#!/facilities) / ORANGE COUNTY SD #2

NPDES ID: CAL120604 Biosolids Status: Active

Facility Name: ORANGE COUNTY SD #2

10844 ELLIS AVENUE FOUNTAIN VALLEY, CA 92708-

7018

# View Annual Report

NPDES FORM 6100-035



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY **BIOSOLIDS ANNUAL REPORT** 

Form Approved. Exp. 03/31/2022

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_118), 503.28 (htt node=pt40.32.503&rgn=div5#se40.32.503 128), 503.48 (https://www.ecfr.gov/cqi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503 148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503 19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form

#### Public Availability of Information Submitted on and with General Permit Reports

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclospublic. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESeReporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address

#### Program Information

Please select all of the following that apply to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal,

☑ YES □ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons), If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

Reporting Period Start Date: 01/01/2021 Reporting Period End Date: 12/31/2021

# Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP)

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:

reliminary Operations (e.g., sludge grinding, degritting, blending) Thickening (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

Other Processes to Manage Sewage Sludge:

Methane or Biogas Capture and Recovery

# Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis? ☑ YES □ NO

- EPA Method 6010 Arsenic (ICP-OES)
- EPA Method 6010 Cadmium (ICP-OES)
- EPA Method 6010 Chromium (ICP-OES)
- EPA Method 6010 Copper (ICP-OES)
- . EPA Method 6010 Lead (ICP-OES)
- EPA Method 7471 Mercury (CVAA) EPA Method 6010 - Molybdenum (ICP-OES)
- EPA Method 6010 Nickel (ICP-OES) EPA Method 6010 Selenium (ICP-OES)
- EPA Method 6010 Zinc (ICP-OES)
- EPA Method 6010 Beryllium (ICP-OES)

Other Analytical Methods  Other Analytical Methods  Teph 300.0  Sludge Management - Land Application  ID: 001  Amount: 11232  Management Practice Detail: Agricultural Land Application  Bulk or Bag/Container: Bulk  Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 US  Pathogen Class: Class B  Sewage Sludge or Biosolids Pathogen Reduction Options:	
EPA 300.0  Sludge Management - Land Application  ID: 001  Amount: 11232  Management Practice Detail: Agricultural Land Application  Bulk or Bag/Container: Bulk  Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 US  Controller Fresno, CA 93726 US  Pathogen Class: Class B	
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Management Practice Detail: Agricultural Land Application  Bulk or Bag/Container: Bulk  Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 US  Pathogen Class: Class B	
Bulk or Bag/Container: Bulk  Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4224 E. Ashlan Ave. Fresno, CA 93726 US  Pathogen Class: Class B	
Bulk or Bag/Container: Bulk  Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4224 E. Ashlan Ave. Fresno, CA 93726 US  Pathogen Class: Class B	
Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier  NPDES ID of handler:  Facility Information: Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 US  Pathogen Class: Class B	
NPDES ID of handler:           Facility Information:         Contact Information:           Tule Ranch / Ag-Tech         Kurt         Wyrick           4324 E. Ashlan Ave.         Controller           Fresno, CA 93726         559-222-7736 ext. 102           US         kurt@westexp.com	
Facility Information:         Contact Information:           Tule Ranch / Ag-Tech         Kurt         Wyrick           4324 E. Ashlan Ave.         Controller           Fresno, CA 93726         559-222-7736 ext. 102           US         kurt@westexp.com	
Tule Ranch / Ag-Tech         Kurt         Wyrick           4324 E. Ashlan Ave         Controller           Fresno, CA 93726         559-222-7736 ext. 102           US         kurt@westexp.com    Pathogen Class: Class B	
4324 E. Ashlan Ave.  Fresno, CA 93726  US  Pathogen Class: Class B	
Fresno, CA 93726 559-222-7736 ext. 102 US kurt@westexp.com  Pathogen Class: Class B	
Pathogen Class: Class B	
Sewage Sludge or Biosolids Pathogen Reduction Options:	
Sewage Studge or Biosolids Patnogen Reduction Options:	
Class B-Alternative 2 PSRP 3: Anaerobic Digestion	
Sewage Sludge or Biosolids Vector Attraction Reduction Options:	
Option 1 - Volatile Solids Reduction	
Option 10 - Sewage Sludge Timely Incorporation into Land	
Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cloading rates in Table 2 of 40 CFR 503.13?	y of the cumulative
□YES ☑ NO □UNKNOWN	
Monitoring Data	
INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied	
Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring per	
SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data shou	od for this SSUID.
reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).	od for this SSUID. toring period for this data should be
	od for this SSUID. toring period for this data should be
Compliance Monitoring Periods  INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of comp	od for this SSUID. toring period for this data should be
INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of complementary monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example	od for this SSUID. toring period for this data should be application
	od for this SSUID. toring period for this data should be application
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monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons- basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx? node=pl40.32.503&rgn=div5#se40.32.503 116).	od for this SSUID. toring period for this data should be application  or of compliance example, if monthly etric tons (dry weight
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basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgj-bin/text-idx? node-pl40.32.5038rgn=div5#se40.32.503_116)).  Compliance Monitoring Period Start Date:  Compliance Monitoring Period O2/28/2021  Do you have analytical results to report for this monitoring period?  WYES NO  Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance period.]  YES NO  Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land	od for this SSUID.  toring period for this  toring period for this  prof compliance  example, if monthly  stric tons (dry weight  t-idx?  g Period End Date:  c compliance monitori  ompliance monitori
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basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgj-bin/text-idx? node-pl40.32.5038rgn=div5#se40.32.503_116)).  Compliance Monitoring Period Start Date:  Compliance Monitoring Period O2/28/2021  Do you have analytical results to report for this monitoring period?  WYES NO  Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance period.]  YES NO  Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land  This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113 regulations prohibit land application of bulk sewage sludge or sewage sludge or gave away sewage sludge in a bag or other container where	of for this SSUID.  toring period for this  toring period for this  are of compliance example, if monthly stric tons (dry weight t-idx?  g Period End Date:  compliance monitori
basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgj-bin/text-idx? node=pt40.32.503&rgn=div5#se40.32.503_116)).  Compliance Monitoring Period Start Date:  Compliance Monitoring Period Start Date:  O1/01/2021  Do you have analytical results to report for this monitoring period?  Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance period.]  OXINDER OND  Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land  This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.5034gn=div5#se40.32.503_1 regulations prohibit land application of bulk sewage sludge or sewage sludge or gave away sewage sludge in a bag or other container when more sewage sludge pollutant concentrations in the sewage sludge execed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13	od for this SSUID.  toring period for this  toring period for this  ar of compliance example, if monthly etric tons (dry weight t-tidx?  g Period End Date:  compliance monitoring compliance monitori
basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgj-bin/text-idx? node=pl40.32.503&rgn=div5#se40.32.503_116)).  Compliance Monitoring Period Start Date:  Compliance Monitoring Period O2/28/2021  Do you have analytical results to report for this monitoring period?  WYES NO  Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance period.]  YES NO  Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land  This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113 regulations prohibit land application of bulk sewage sludge or sewage sludge or gave away sewage sludge in a bag or other container where	of for this SSUID.  toring period for this  talta should be application  or of compliance example, if monthly stric tons (dry weight t-idx?  g Period End Date:  c compliance monitorin  ompliance monitorin  ompliance monitorin  5.503_113, EPA's iner when one or 503.13  this section against

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	19	
Cadmium	=	2.2	
Copper	=	470	
Lead	=	6.5	
Mercury	=	0.5	
Molybdenum	=	20	
Nickel	-	29	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Selenium	=	9.6	
Zinc	=	760	

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	74	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	17		
Cadmium	=	2		
Copper	=	48		
Lead	=	4		
Mercury	=	0.5		
Nickel	=	27		
Selenium	=	8.8		
Zinc	=	700		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	49000	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	03/01/2021	04/30/2021

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring parted.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge wavy sewage sladge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033\_rng=div5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033gn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight base)

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	16	
Cadmium	=	1.8	
Copper	=	450	
Lead	=	7.7	
Mercury	=	1.2	
Molybdenum	=	21	
Nickel	=	31	
Selenium	=	14	
Zinc	=	780	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	72	

## Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sewage Sludge or Biosolids Value Parameter Concentration (mg/kg, dry-weight basis If No Data, Select One Of T Following	ne
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Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	15	
Cadmium	=	2	
Copper	=	64	
Lead	=	6	
Mercury	=	0.6	
Nickel	=	29	
Selenium	=	8.4	
Zinc	=	730	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	48000	

Compliance Monitoring Event No. 3 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 05/01/2021 Compliance Monitoring Period End Date: 06/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	20	
Cadmium	=	1.9	
Copper	=	520	
Lead	=	8	
Mercury	=	0.7	
Molybdenum	=	26	
Nickel	=	34	
Selenium	=	10	
Zinc	=	900	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	71	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	15	
Cadmium	=	2	
Copper	=	56	
Lead	=	6	
Mercury	=	0.6	
Nickel	=	30	
Selenium	=	9	
Zinc	=	780	

Total Nitrogen (TKN plus Nitrate-Nitrite) = 49000	Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
	Total Nitrogen (TKN plus Nitrate-Nitrite)	=	49000	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2021	08/31/2021

Do you have analytical results to report for this monitoring period?

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_r13), EPA's regulations prohibit land application of bulk sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=citv5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Value Parameter Qualifier		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	12	
Cadmium	=	1.4	
Copper	=	440	
Lead	=	5.8	
Mercury	=	0.6	
Molybdenum	=	20	
Nickel	=	28	
Selenium	=	11	
Zinc	=	800	

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	67	

#### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage studge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11	
Cadmium	=	1	
Copper	=	44	
Lead	=	5	
Mercury	=	0.5	
Nickel	=	25	
Selenium	=	8.6	
Zinc	=	710	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	47000	

Compliance Monitoring Event No. 5 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 09/01/2021 10/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

# Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge application experience on the container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13

(http://www.ecfr.gov/cgi-bin/text-idx?node=p40.32.503&rgn=div5#sea0.32.503\_113)). EPA will compare the pollutant concentrations in this section against the celling concentration limits in Table 1 of 40 CPR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=p40.32.503&rgn=div5#sea0.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following				
Arsenic	=	15					
Cadmium	=	1.5					
Copper	=	470					
Lead	=	9					
Mercury	=	0.6					
Molybdenum	=	21					
Nickel	=	29					
Selenium	=	11					
Zinc	=	750					

#### Pathogen And Vector Attraction Reduction

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	=	69	

# Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following				
Arsenic	=	12					
Cadmium	=	1					
Copper	=	51					
Lead	=	5					
Mercury	=	0.5					
Nickel	=	26					
Selenium	=	9.6					
Zinc	=	720					

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50000	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date
	11/01/2021	12/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

#### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge os sewage sludge sold or gave away sewage slage in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	12		
Cadmium	=	1.5		
Copper	=	370		
Lead	=	5		
Mercury	=	0.7		
Molybdenum	=	18		
Nickel	=	27		
Selenium	=	10		

Sewage Sludge or Biosolids Parameter	Value Qualifier		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)			If No Data, Select One Of The Following	
Zinc	=	70	700				
athogen And Vector Attraction Re Report the vector attraction reduc monitoring period for this SSUID.	tion data for the bi	osolids a	r sewage sludge tha	at was placed on	an active sewage	sludge unit during the compliance	
Sewage Sludge or Biosolids Parameter		Va	Value Qualifier Value If No Data, Se		elect One Of The Following		
Solids, total volatile percent removal		-		71			
		oring dat	nt concentrations in the biosolids or sewage sludge that was an ng data should be reported in milligrams per kilogram (mg/kg) Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)				
Arsenic	=	12					
Cadmium	=	1					
Copper	=	47					
ead	=	4					
Mercury	=	0.5					
lickel	=	26					
ielenium	=	9.3					
inc	=	68	680				
applied to land during the complia	value		Parameter Conce			ewage sludge or biosolids that was	
Parameter	Qualifier		basis)			Following	
otal Nitrogen (TKN plus Nitrate-Nit	al Nitrogen (TKN plus Nitrate-Nitrite) =		46000				
12							

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

**Facility Information:** Liberty Compost

12421 Holloway Road Lost Hills, CA 93249

Contact Information:

Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com

Pathogen Class: Class A EQ

Sewage Sludge or Biosolids Pathogen Reduction Options:

Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐YES ☑NO ☐UNKNOWN

# Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

#### Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx? node=pt40.32.503&rgn=div5#se40.32.503\_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2021

Compliance Monitoring Period End Date: 02/28/2021

Do you have analytical results to report for this monitoring period?

YES ONO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ▼NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag of the container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.4	
Cadmium	=	2.7	
Copper	=	370	
Lead	=	21	
Mercury	<	1	
Molybdenum	=	15	
Nickel	=	28	
Selenium	=	6.8	
Zinc	=.	590	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	=	2.7	
Copper	=	208.5	
Lead	=	11.8	
Mercury	<	1	
Nickel	=	22	
Selenium	=	6.8	
Zinc	=	360	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34000	

Compliance Monitoring Event No. 2 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 03/01/2021 04/30/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033\_rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.13)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.8rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis:

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Cadmium	=	3.4	
Copper	=	410	
Lead	=	15	
Mercury	<	1	
Molybdenum	=	16	
Nickel	=	32	
Selenium	=	10	
Zinc	=	660	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.25	
Cadmium	=	3.3	
Copper	=	390	
Lead	=	14.5	
Mercury	<	1	
Nickel	=	31.5	
Selenium	=	9.6	
Zinc	=	640	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	38500	

Compliance Monitoring Event No. 3	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date
	05/01/2021	06/30/2021

Do you have analytical results to report for this monitoring period? 

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_1713), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40 32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Value Parameter Qualifier		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	11		
Cadmium	=	2.3		
Copper	=	480		
Lead	=	17		
Mercury	=	1.1		
Molybdenum	=	16		
Nickel	=	32		
Selenium	=	5.7		
Zinc	=	790		

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric

mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)]

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Value Parameter Qualifier		Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following	
Arsenic	=	8.6		
Cadmium	=	2		
Copper	=	425		
Lead	=	9.8		
Mercury	=	1.1		
Nickel	=	30.5		
Selenium	=	5.15		
Zinc	=	725		

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39500	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	07/01/2021	08/31/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.5038rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.5038rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.5038rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.7	
Cadmium	=	2.1	
Copper	=	360	
Lead	=	15	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	28	
Selenium	=	5.5	
Zinc	=	660	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.55	
Cadmium	=	2.05	
Copper	=	350	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Lead	=	14.5	
Mercury	<	1	
Nickel	=	27.5	
Selenium	=	5.25	
Zinc	=	605	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	37500	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2021	10/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503.afgn=div5#se40.32.503.113). EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag offer container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7	
Cadmium	=	2.7	
Copper	=	340	
Lead	=	13	
Mercury	=	0.9	
Molybdenum	=	20	
Nickel	=	27	
Selenium	=	6.5	
Zinc	=	710	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	=	2.5	
Copper	=	335	
Lead	=	12.5	
Mercury	=	0.9	
Nickel	=	27	
Selenium	=	5.85	
Zinc	=	645	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39500	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	11/01/2021	12/31/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge sold or gave away sewage slage in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgj-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.6	
Cadmium	=	2.4	
Copper	=	400	
Lead	=	14	
Mercury	<	1	
Molybdenum	=	20	
Nickel	=	30	
Selenium	=	8	
Zinc	=	700	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	6.3	
Cadmium	=	2.2	
Copper	=	395	
Lead	=	13.5	
Mercury	<	1	
Nickel	=	29	
Selenium	=	7.15	
Zinc	=	685	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	38500	

ID: 004

Amount: 2340

Management Practice Detail: Distribution and Marketing - Compost

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information: Inland Empire Regional Composting Facility 12645 6th Street Contact Information:

Jeff Ziegenbein
Site Manager
909-993-1981

Pathogen Class: Class A EQ

### Sewage Sludge or Biosolids Pathogen Reduction Options:

Class A-Alternative 5: PFRP 1: Composting

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

Option 5 - Aerobic Processing (Thermophilic Aerobic Digestion/Composting)

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

□YES ☑NO □UNKNOWN

### Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage studge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage studge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gow/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

### Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx? node=pt40.32.503&rgn=div5#se40.32.503\_116)).

Compliance Monitoring Event No. 1

Compliance Monitoring Period Start Date: 01/01/2021

Compliance Monitoring Period End Date: 02/28/2021

02/28/2

Do you have analytical results to report for this monitoring period?

☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5033/rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sledge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503\_frgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.5038rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.8	
Cadmium	=	2.1	
Copper	=	190	
Lead	=	11	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	18	
Selenium	=	10	
Zinc	=	440	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.15	
Cadmium	=	1.95	
Copper	=	170	
Lead	=	9.65	
Mercury	<	1	
Nickel	=	16.5	
Selenium	=	9.95	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Zinc	=	385	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	3.25	

Compliance Monitoring Event No. 2 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 03/01/2021 04/30/2021

Do you have analytical results to report for this monitoring period? 
☑ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033/rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge wavy sewage sladge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033/rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentration in this section against the ceiling concentration limit in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/ogi-bin/text-idx?node=pt40.32.5033/rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5	
Cadmium	=	2	
Copper	=	130	
Lead	=	7.1	
Mercury	<	1	
Molybdenum	=	10	
Nickel	=	20	
Selenium	=	11	
Zinc	=	460	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Allemative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.2(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.15	
Cadmium	=	1.8	
Copper	=	66.5	
Lead	=	4.85	
Mercury	<	1	
Nickel	=	17.5	
Selenium	=	10.05	
Zinc	=	380	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	35000	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 05/01/2021

Compliance Monitoring Period End Date: 06/30/2021

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecf.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge osludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	7.3	
Cadmium	=	1.9	
Copper	=	200	
Lead	=	14	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	20	
Selenium	=	10	
Zinc	=	480	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B - Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	5.95	
Cadmium	=	1.75	
Copper	=	200	
Lead	=	13	
Mercury	<	1	
Nickel	=	19.5	
Selenium	=	9.7	
Zinc	=	475	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34500	

Compliance Monitoring Event No. 4 Compliance Monitoring Period Start Date: Compliance Monitoring Period End Date: 07/01/2021 08/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES 🗹 NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg=div5#se40.32.503\_173), EPA's regulations prohibit land application of bulk sewage sludge sold or gave away sewages laying a hag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40 32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
-----------------------------------------	--------------------	----------------------------------------------------------------	-----------------------------------------

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	1.7	
Copper	=	200	
Lead	=	13	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	18	
Selenium	=	9.7	
Zinc	=	430	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4	
Cadmium	=	1.6	
Copper	=	190	
Lead	=	11.4	
Mercury	<	1	
Nickel	=	18	
Selenium	=	9.5	
Zinc	=	420	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	3.25	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	09/01/2021	10/31/2021

Do you have analytical results to report for this monitoring period?

☑YES □NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prolibil land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag ofter container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	1.5	
Copper	=	200	
Lead	=	12	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	18	
Selenium	=	11	
Zinc	=	470	

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Classa S a Sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids (see 40 CFR 503.32(b)(2)).

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight basis	If No Data, Select One Of The
Parameter	Qualifier	or Pass/Fail)	Following
Arsenic	=	3.9	
Cadmium	=	1.45	
Copper	=	195	
Lead	=	12	
Mercury	<	1	
Nickel	=	18	
Selenium	=	10.2	
Zinc	=	435	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	3.3	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	11/01/2021	12/31/2021

Do you have analytical results to report for this monitoring period? 

✓ YES □ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

□YES ☑NO

### Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503\_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	1.6	
Copper	=	170	
Lead	=	12	
Mercury	<	1	
Molybdenum	=	12	
Nickel	=	19	
Selenium	=	11	
Zinc	=	420	

### Pathogen And Vector Attraction Reduction

Report the pathogen densities in the sewage sludge or biosolids that was applied to land during the reporting year for this SSUID. Please report the maximum pathogen density for Class A sewage sludge or biosolids. When using the Class B – Alternative 1 management option, please report the geometric mean of the density of fecal coliform in Class B sewage sludge or biosolids [see 40 CFR 503.32(b)(2)].

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	7.5	
Salmonella	<	3	

### Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	4.1	
Cadmium	=	1.6	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Copper	=	170	
Lead	=	12	
Mercury	<	1	
Nickel	=	19	
Selenium	=	11	
Zinc	=	420	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	3.3	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 005

Amount: 491

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Holloway Environmental
13850 Holloway Road
Lost Hills, CA 93249
US

Contact Information:

Dan Allen
Chief Operating Officer
661-758-6485
dan.allen@hmholloway.com

Pathogen Class: Class B

ID: 006

Amount: 23

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information: La Paz County Landfill 1108 S. Joshua Ave. Parker, AZ 85344 US Contact Information:

Leanne Smith
Special Waste Coordinator Nevada/Arizona
928-505-7414

LSmith4@Republicservices.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

**ID**: 007

Amount: 25

Management Practice Detail: Other

Other Management Practice Detail Description: Heat dried pellets >90% solids

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Rialto Bioenergy Facility (Anaergia)
503 East Santa Ana Avenue
Rialto, CA 92316
US

Contact Information:
John Hutson
Facility Manager
909-990-1734
john.hutson@anaergia.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID?  $\hfill \square$  YES  $\hfill \hfill \square$  NO  $\hfill \square$  UNKNOWN

### Additional Information

Please enter any additional information that you would like to provide in the comment box below.

- OC San has attached the electronic version of the annual report broken into smaller sections. Alternatively, the complete file is available at www.ocsan.gov/503. - Rialto Bioenergy Facility (RBF) started receiving up to 100 tons per day of OC San biosolids in September 2021. The RBF tonnages are reported in the Other Management Practice section as ID 007. Please contact Deirdre Bingman at dbingman@ocsan.gov or 714-655-1547 if you have any questions.

### Additional Attachments

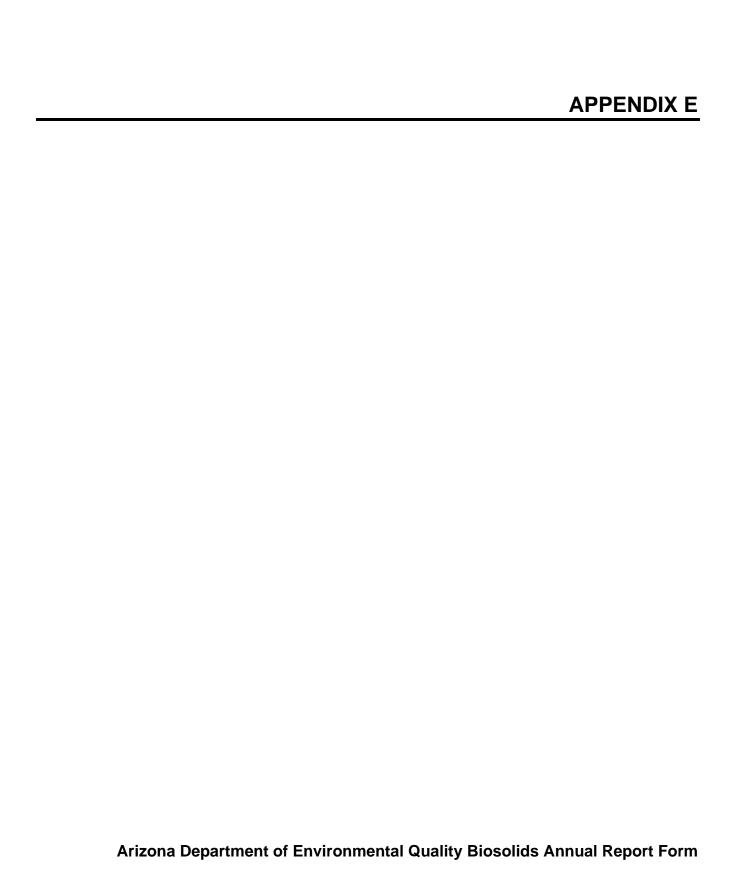
Name	Created Date	Size
Biosolid_Annual_Rept_2021 - part 1 for upload.pdf	02/15/2022 7:21 AM	2.99 MB
Biosolid_Annual_Rept_2021 - Appx A - part 2 for upload.pdf	02/15/2022 7:24 AM	2.37 MB
Biosolid_Annual_Rept_2021 - Appx B-C - part 3 for upload.pdf	02/15/2022 7:42 AM	457.90 KB
Biosolid_Annual_Rept_2021 - Appx E - part 4 for upload.pdf	02/15/2022 8:09 AM	303.36 KB
Biosolid_Annual_Rept_2021 - Appx F - part 5 for upload.pdf	02/15/2022 8:25 AM	324.59 KB

### Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Lan Wiborg (LWIBORG@OCSD.COM)

Certified On: 02/17/2022 1:30 PM





# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

AZPDES Individual Permits Unit 1110 W Washington Street Phoenix, Arizona 85007 (602) 771-4689 (voicemail) (602) 771-4505 (fax) Email to: biosolids@azdeq.gov

BIOSOLIDS OR SEWAGE SLUDGE ANNUAL REPORT FORM			
Program Information: All preparers (Generat	ors) and Land Applicators Must complete the following.		
Reporting Start Date:1/1/2021	Reporting End Date: 12/31/2021		
Date: 2/4/2022	AZPDES Permit # (if applicable ):Click here to enter text.		
Company name (Preparer / Applicator): Orange County Sa	anitation District, Plant No. 1 and Plant No. 2		
Contact Name: Lan C. Wiborg, MPH	Title: Director of Environmental Services		
Address: 10844 Ellis Ave., Fountain Valley, CA 92708			
Phone: 714-593-7450	E-mail: lwiborg@ocsan.gov		
Please select one of the following options pertaining to you	r obligation to submit a Biosolids Annual Report. My facility is a:		
☑ POTW with a design flow equal to or greater than 1 MGD	) Per Day		
☑ POTW that serves 10,000 people or more			
☑ Class I Sludge Management Facility as defined by 40 CFR 503.9			
☐ Biosolids Applicator (Complete Section 5 only)			
Other Click here to enter text.			
What is the estimated total of volume of biosolids or sewag	e sludge generated at your facility (in dry metric tons)?		
45,257			
Were all biosolids removed from your facility sent to a landfill for disposal? No			
If yes, provide the name and address of the landfill(s). Click here to enter text.			
If all biosolids or sewage sludge was sent to a landfill for disposal, you do not need to complete the remainder of this form, as it is only applicable to facilities preparing biosolids or sewage sludge for land application.			
Certification: I certify, under penalty of law, that the information and descriptions, have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.			
Signature:  Title: Director of Environmental Services	Date: 2/14/22		

2	Canaratar	Dranarara	Diagolida	Ctorogo one	Tractmant	Dracasas
۷.	Generator/	Preparers -	Biosolias	Storage and	Treatment	Processes

2.	1 Please check the box next to the following biosolids or sewage sludge storage practices and treatment processes used on the sewage sludge or biosolids generated or produced at your facility during the reporting period.
	Storage Practices
	☐ Biosolids are stored in lined lagoons or impoundments
	$\square$ Biosolids stored directly on the ground
	Physical Treatment Processes
	☑ Preliminary Operations (e.g. sludge grinding, degritting, blending)
	☐ Thickening (e.g. gravity floatation, centrifugation, belt filter press, vacuum filter)
	☐ Sludge lagoon
	Pathogen Reduction Operations (PSRP)
	☐ Aerobic Digestion
	☐ Air Drying (or "sludge drying beds")
	□ Anaerobic Digestion
	☐ Lower Temperature Composting
	☐ Lime Stabilization
	Process to Further Reduce Pathogens (PFRP)
	☐ Higher Temperature Composting
	☐ Heat Drying (e.g. flash dryer, spray dryer, rotary dryer)
	$\Box$ Heat Treatment (Liquid sewage sludge is heated to temp of 356 °F (180 °C) or higher for 30 minutes
	☐ Thermophilic Aerobic Digestion
	☐ Beta Ray Irradiation
	☐ Gamma Ray Irradiation
	☐ Pasteurization

- 3. Generators/Preparers: Disposition of Biosolids or Sewage Treatment Sludge:
- 3.1 At the beginning of the year, did you have any biosolids or sewage sludge stored on site or remaining from previous years? Include any amount that is being stored anywhere. **No**

If yes provide the following information:

	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.2 At the end of the year, are any biosolids or sewage sludge stored on site? No

If yes, provide the following information:

	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.3 Were biosolids or sewage sludge received from another facility during the year, such as another wastewater treatment plant or another APP permitted facility for further processing? **No** 

If yes provide the following information for each facility. Click the plus sign to create as many tables as needed.

Name of Facility		
Location:		
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.4. Were biosolids removed from your facility for land application? Include all recipients, including haulers, name, phone number, land applicators, composters, drying facilities, EQB bagging facilities, bulk composting, etc.

Name of Facility	Tule Ranch / Ag-Tech	Tule Ranch / Ag-Tech		
Management Practice Type:	Agricultural Land application	Agricultural Land application		
Handler or Preparer Type:	Off-Site Third-Party Handler or A	pplier		
Management Practice Detail:	Agricultural Land application			
Bag or Bulk Container:	Bulk Container			
	CLASS A Biosolids	Class B Biosolids		
Dry Ton Weight	Click here to enter text.	16,869		
Pathogen Testing	Choose an item.	Not applicable		
Pathogen Reduction Method	Choose an item. Alternate 5 - anaerobic digestion			
Vector Attraction Reduction Method	Choose an item.	Option 1 - mass reduction		
Storage Locations	Click here to enter text.	Click here to enter text.		

Name of Facility	Synagro Nursery Products	
Management Practice Type:	Composting	
Handler or Preparer Type:	Off-Site Third-Party Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	10,466	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	Synagro Arizona Soils		
Management Practice Type:	Composting	Composting	
Handler or Preparer Type:	Preparer		
Management Practice Detail:	Composting		
Bag or Bulk Container:	Bulk Container		
	CLASS A Biosolids	Class B Biosolids	
Dry Ton Weight	171	Click here to enter text.	
Pathogen Testing	Salmonella	Not applicable	
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.	
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.	
Storage Locations	Click here to enter text.	Click here to enter text.	

Name of Facility	Inland Empire Regional Composting Facility		
Management Practice Type:	Composting	Composting	
Handler or Preparer Type:	Preparer		
Management Practice Detail:	Composting		
Bag or Bulk Container:	Bulk Container		
	CLASS A Biosolids	Class B Biosolids	
Dry Ton Weight	2,340	Click here to enter text.	
Pathogen Testing	Salmonella	Not applicable	
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.	
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.	
Storage Locations	Click here to enter text.	Click here to enter text.	

Name of Facility	Liberty Compost			
Management Practice Type:	Composting	Composting		
Handler or Preparer Type:	Preparer			
Management Practice Detail:	Composting			
Bag or Bulk Container:	Bulk Container			
	CLASS A Biosolids	Class B Biosolids		
Dry Ton Weight	8,941	Click here to enter text.		
Pathogen Testing	Salmonella	Not applicable		
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.		
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.		
Storage Locations	Click here to enter text.	Click here to enter text.		

Name of Facility	Synagro South Kern Compost Manufacturing		
Management Practice Type:	Composting		
Handler or Preparer Type:	Off-Site Third-Party Preparer		
Management Practice Detail:	Composting		
Bag or Bulk Container:	Bulk Container		
	CLASS A Biosolids	Class B Biosolids	
Dry Ton Weight	5,025	Click here to enter text.	
Pathogen Testing	Salmonella	Not applicable	
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.	
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.	
Storage Locations	Click here to enter text.	Click here to enter text.	

Enter any content that you want to repeat, including other content controls. You can also insert this control around table rows in order to repeat parts of a table.

# 4. Generators/Preparers : Biosolids or Sewage Sludge Analytical Methods

Arizona regulations specify that representative samples of sewage sludge that is land applied, placed on a surface disposal site, or fired in s sewage sludge incinerator, must be collected and analyzed. These regulations specify the analytical methods that must be used to analyzed samples of sewage sludge.

Parameter	Method Number or	Results (if tested)	Comments (required if					
	Author		other)					
Pathogens								
Ascaris ova.	No Analytical	Click here to enter text.	Click here to enter text.					
	Method Used							
Fecal Coliform	No Analytical	Click here to enter text.	Click here to enter text.					
	Methods Used							
Helminth ova.	No Analytical Methods Used	Click here to enter text.	Click here to enter text.					
Salmonella sp.	No Analytical	Click here to enter text.	Click here to enter text.					
Bacteria 3p.	Methods Used	Click liefe to effet text.	click here to enter text.					
Total Cultural	No Analytical	Click here to enter text.	Click here to enter text.					
Viruses	Methods Used							
Metals								
Arsenic	EPA Method 6010 -	See attached OC San Biosolids	Click here to enter text.					
	Arsenic (ICP-OES)	Management Compliance						
		Report, Appendices A, C,						
		and D.						
Beryllium	Other Beryllium	See attached OC San Biosolids	EPA Method 6010 - Beryllium					
	Analytical Method	Management Compliance						
		Report, Appendix C.						
Cadmium	EPA Method 6010 -	See attached OC San Biosolids	Click here to enter text.					
	Cadmium (ICP-OES)	Management Compliance						
		Report, Appendices A, C,						
Chromium	EDA Mothad CO10	and D.	Click hore to optor tout					
Chromium	EPA Method 6010 -	See attached OC San Biosolids	Click here to enter text.					
	Chromium (ICP-OES)	Management Compliance Report, appendices A and C.						
Copper	EPA Method 6010 -	See attached OC San Biosolids	Click here to enter text.					
COPPCI	Copper (ICP-OES)	Management Compliance	S.ISK HELE TO CHIEF TEXT					
		Report, Appendices A, C,						
		and D.						
Lead	EPA Method 6010 -	See attached OC San Biosolids	Click here to enter text.					
	Lead (ICP-OES)	Management Compliance						
		Report, Appendices A, C,						
		and D.						
Mercury	EPA Method 7471 -	See attached OC San Biosolids	Click here to enter text.					
	Mercury (CVAA)	Management Compliance						

		Report, Appendices A, C, and D.					
Molybdenum	EPA Method 6010 - Molybdenum (ICP- OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Nickel	EPA Method 6010 - Nickel (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Selenium	EPA Method 6010 - Selenium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Zinc	EPA Method 6010 - Zinc (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Nitrogen Compounds	;						
Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Nitrate Nitrogen	Other Nitrate Nitrogen Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	EPA 300.0				
Nitrogen	Standard Method 4500-N - Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Organic Nitrogen	Other Organic Nitrogen Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Calculation				
Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Other Analytes							
Fixed Solids	No Analytical Method Used	Click here to enter text.	Click here to enter text.				
Paint Filter Test	No Analytical Method Used	Click here to enter text.	Click here to enter text.				

рН	EPA Method 9045 - pH (> 7% solids)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Specific Oxygen Uptake Rate	Choose an item.	Click here to enter text.	Click here to enter text.				
TCLP	EPA Method 1311 - Toxicity Characteristic Leaching Procedure	See attached OC San Biosolids Management Compliance Report, Appendix C.	Click here to enter text.				
Temperature	No Analytical Method Used	See attached OC San Biosolids Management Compliance Report, Appendix A.	Click here to enter text.				
Total Solids	Standard Method 2540 - Total Solids	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.				
Volatile Solids	Standard Method 2540 - Volatile Solids	See attached OC San Biosolids Management Compliance Report, Appendix A and D.	Click here to enter text.				
No Analytical Methods Used	Choose an item.	Click here to enter text.	Click here to enter text.				

# ADEQ Arizona Department of Environmental Quality

# **ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AZPDES Individual Permits Unit** 1110 W Washington Street Phoenix, Arizona 85007 (602) 771-4689 (voicemail) (602) 771-4505 (fax)

Email to: biosolids@azdeq.gov

Application Site / Location	Field ID	Amount of Biosolids Applied (in dry tons)	Preparer	Pathogen Treatment Method	Vector Attraction Reduction Method	Loading Rate	Nitrogen Conc. (Organic + ammonium)	Type of Crop Grown After Application	Agronomic Rate of Crop Grown	The <u>Cumulative</u> Concentration of Pollutants  (kilograms per hectare) in Soil				
Example:  ABC Farms,  Aztec AZ	1.4	350 tons	Aztec WWTP	Class B Alt. 2	Optíon 9	Tons or Kg/acre		Corn						
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	text.									Hg=Click here to enter text.	Mo=Click here to enter text.	Ni=Click here to enter text.	Se=Click here to enter text.	Zn=Clic here t enter text.
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	text.									Hg=Click here to enter text.	Mo=Click here to enter text.	Ni=Click here to enter text.	Se=Click here to enter text.	Zn=Clic here t enter text.
	Click here									As=Click here to	Cd=Click here to	Cr=Click here to	Cu=Click here to	Pb=Cli here

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	text.		text.			text.				Hg=Click here to enter text.	Mo=Click here to enter text.	Ni=Click here to enter text.	Se=Click here to enter text.	Zn=Click here to enter text.
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# **APPENDIX F**

The history of OC San's Biosolids Program is important to understand as we plan for the future. In order to maintain the integrity of this information for future generations, the historical information is maintained in this appendix.

# **Program History**

- In 1971, OC San entered into a long-term contract with Goldenwest Fertilizer Co., Inc., a local fertilizer manufacturer who hauled and composted the sludge off site. OC San maintained contracts with Goldenwest Fertilizer Co. for several years until the firm lost their land lease for their composting operation in 1979. Contracts with other composting companies were also used during the 1970s.
- In 1978, after notification that their contract with Goldenwest Fertilizer Co. would be ending in 1979, OC San presented a proposal to the County of Orange to co-dispose sludge with municipal solid waste at Orange County landfills. Following approval by Orange County and the California Regional Water Quality Control Board, Santa Ana Region (CRWQCB), OC San established an air drying/composting site at Coyote Canyon landfill. OC San used this site as a sludge-drying operation until 1981 when it was converted to an open-air composting facility. This was done to reduce odors and dry the sludge to the required 50% solids content prior to being blended with municipal solid waste.
- The 50% solids requirement was set by the CRWQCB, by Order No. 79-55. In December 1982, the requirements were modified by Order No. 82-299. The new order reduced the required average solids content to 22.5%. In addition to the solids content requirements, the volume of refuse to sludge incorporated into the landfill was required to be a 10:1 ratio. After the new Order was issued and the treatment plant belt press dewatering system was installed, the air drying process was no longer needed and its operation was discontinued.
- In 1974, OC San began a cooperative regional sludge management study with the City of Los Angeles, the Los Angeles County Sanitation Districts, the Environmental Protection Agency (EPA), and the CRWQCB. By a joint powers agreement, the Regional Wastewater Solids Management Program' for the Los Angeles/Orange County Metropolitan Area (LA/OMA Project) had a separate staff and budget to develop a long-term solids reuse or disposal plan, including an implementation strategy for the Los Angeles/Orange County metropolitan areas. This extensive, six-year, \$4.0 million study, which covered all aspects of sludge processing and disposal, was completed in 1980. The conclusion was that each of the three entities would carry out its own sludge management program. For OC San, land-based disposal and beneficial reuse were the study's preferred alternatives.

However, co-combustion and enclosed mechanical in-vessel composting alternatives at OC San's Reclamation Plant No. 1 were added to OC San's LA/OMA supplemental study when the recommended composting facilities were evaluated as being difficult to site.

- In 1978 and 1983, OC San brought activated sludge facilities online at Plant No. 1 and Plant No. 2 respectively, which led to significant improvements of ocean water quality. By 1984, OC San had replaced centrifuges that dewatered to about 20% with new belt presses at both plants. The new belt presses had to dewater to at least 22.5% in order to meet landfill requirements. As a result, waste activated secondary sludges were dewatered separately and sent to a private landfill. Clean Water Grant Funds aided in the construction of the important facilities improvements at Plant No. 2 including the activated sludge plant (\$45 million) and sludge handling/process facilities (\$30 million).
- In November 1983, OC San's Boards of Directors submitted a new Residual, Solids Management Plan to the EPA. The plan included both short- and long-term compliance strategies. The short-term compliance plan involved the continued practice of trucking 22.5% solids to Coyote Canyon landfill for co-disposal with municipal waste until the landfill closed in March 1990. It also included hauling sludge to private landfills using OC San's trucks or private contractors. The long-term plan included co-disposal at county landfills and off-site reuse/management by private contractors.
- In November 1984, OC San approved an interim sludge disposal program
  due to the limitation of the amount of sludge this could be co-disposed at
  Coyote Canyon. As part of this program, an agreement was made with BKK
  Corporation to take the balance of the sludge to the BKK-owned and operated
  in West Covina (Los Angeles County). This contract expired in late 1991.
- In 1987, OC San began a facilities master planning effort that culminated in July 1989. The 1989 30-year master plan, "2020 Vision," established 11 major objectives for maintaining our excellent record of environmental and public health protection including, "Sludge Reuse: OC San will continue to promote multiple, beneficial reuse alternatives for sludge and strive to increase beneficial reuse from 60% to 100%. We will develop at least one in-county land disposal alternative as a backup to guarantee long-term reliability." The goals are summarized below:
  - Continue discussions with the County of Orange pertaining to landfill ·codisposal options;
  - Pursue co-disposal options at out-of-county landfills;
  - Continue and/or expand use of private contracts to reuse or dispose of sludge;
  - Pursue with Orange County Environmental Management Agency staff the use of sludge as the final cover for Coyote Canyon's closure;

- Monitor the status of the proposed co-compost pilot project at Prima Deshecha landfill;
- Initiate a regular status review of OC San management program that would provide centralized information in one location; and
- Hire a full-time sludge manager to coordinate OC San' overall sludge reuse/disposal program (completed in August of 1989).
- The goals noted above led to a series of new recycling options starting in in 1988 using three separate contractors. Two contracts were created with compost contractors, and one was created with an agricultural land fertilization contractor. Using these three contractors, OC San recycled about 50% of their sludge from 1988-1991.
- 1990: About 50% of the sludge is processed into compost by L. Curti Truck & Equipment and by Recyc Inc., or applied directly to agricultural land by Pima Gro Systems, Inc. The remaining 50% of the sludge is disposed in the BKK landfill in Los Angeles County. The dewatered sludge is hauled to the landfill and directly incorporated with municipal solid waste in conformance with operating requirements of the Regional Water Quality Control Board, Los Angeles.

Prior to March of 1990, landfill co-disposal was available at the Coyote Canyon landfill in Orange County and the BKK landfill. During this period 14% of OC San's sludge went to Coyote Canyon and 36% went to BKK.

- On June 24, 1991 a new solids handling storage facility (truck loading) was
  placed in service. Plant No. 1 Belt Press Dewatering Building M was placed in
  service in February 1983. Belt Press Dewatering Building C was placed in
  service in October 1988. By 2018, the belt presses were replaced by
  centrifuges, the DAFTs were replaced by thickening centrifuges, and truck
  loading were rehabilitated.
- Beginning in November 1991, OC San's Biosolids Management Program achieved a milestone of 100% beneficial reuse. Beneficial reuse allows OC San to lower its management costs and eliminate the need to take up valuable landfill space. The program consisted of compost, direct land application, and a standby agreement to landfill the biosolids in the event of an emergency. Further benefits of switching to beneficial reuse was a reduction in disposal costs. Beneficial reuse cost OC San less than landfilling and was expected to become more cost effective as the market for compost material expanded. About 73% of the biosolids were processed into compost by Pima Gro Systems, Inc. at the Riverside Recyc compost facility. The remaining 23% was applied directly to agricultural land by Ag Tech Company in Yuma, Arizona.
- During 1993-94, only one biosolids contractor was used to haul and manage OC San's biosolids produced by Plant No. 1. Pima Gro Systems, Inc. hauled

the biosolids to the Recyc processing site in Riverside County where it was composted. The biosolids based compost was then sold to nearby farmers as a nutrient rich soil amendment and fertilizer.

- In late 1994, the Ag Tech Company was contracted to use OC San biosolids to enhance agricultural soils, reduce the amount of irrigation water needed, and provide a much needed source of organic humus. The biosolids were injected 6 inches to 15 inches beneath the surface (in the root zone) within hours of their arrival to permitted farmlands.
- In June 1995, Bio Gro, a division of Wheelabrator Clean Water Systems, Inc., was added as a biosolids contractor. Biosolids were recycled on agricultural land in Riverside County. Pima Gro used commercial fertilizer spreaders to distribute the biosolids prior to incorporation on agricultural land in Kern County, California.
- In March 1996, Tule Ranch was added as a biosolids contractor. Pima Gro was still recycling biosolids in Kern County, California, and Bio Gro was recycling biosolids in Riverside. No composting was reported.
- In 1997, continued 100% beneficial reuse with all biosolids recycled via direct land application in Kern, Riverside, and San Diego counties.

OC San also entered into a one-year pilot project contract with Waste Conversion Industries, Inc. (WCI) to chemically treat and heat dry OC San's biosolids at their Corona, California site. Due to mechanical difficulties, WCI was not able to process any of OC San's biosolids.

During fiscal year 1996-97, OC San's biosolids management cost was reduced by approximately \$1 million from that of fiscal year 1995-96. New and amended biosolids management contracts also increased efficiency of OC San's belt operation and contributed to the decrease in biosolids management costs. Upon the expiration of the Ag Tech contract and the termination of the Hondo contract, OC San maintained only two active biosolids management contractors, Bio Gro and Pima Gro. In August 1996, having only two active biosolids management contractors, and receiving numerous unsolicited lower cost biosolids management proposals OC San's staff prepared and issued a Request for Proposals for Biosolids Management (RFP). The RFP was necessary in order to increase biosolids management diversity and reliability while decreasing costs. Eight biosolids management firms submitted proposals. Bio Gro proposed to maintain their existing contract, but unilaterally offered a pricing amendment, while Pima Gro submitted a new proposal that provided OC San with the option of accepting the entire proposal or modify the pricing structure of the existing contract.

After extensive review and ranking of the proposals by staff, new contracts were offered to Tule Ranch and Waste Conversion Industries, Inc., while Bio

Gro's and Pima Gro's existing contracts were amended to reflect their new price schedules.

- In 1998 through 2000, continued 100% beneficial reuse with all biosolids recycled via direct land application in Kern, Kings, San Diego and Riverside counties. Pima Gro, Bio Gro, and Tule Ranch were OC San's biosolids contractors. Small amounts of biosolids were composted at Pimo Gro's Riverside composting facility, Bio Gro's Arizona Soils facility in La Paz County, Arizona, and by Pima Gro for a UCR Extension research project in Imperial County.
- In June 2000, OC San purchased 1,800 acres of Tule Ranch's farm in Kings County, California, to provide a reliable, long-term site for treatment and land application of biosolids. Tule Ranch contracted to manage OC San's biosolids its farm at a reduced cost per ton.
- In 2001, Synagro purchased Pima Gro and Bio Gro, and OC San added Yakima as a contractor. One-hundred percent beneficial reuse occurred via direct land application in Kern, Kings, San Diego, and Riverside. Synagro also recycled biosolids to tribal land farms in San Bernardino County, California. Small amounts were composted in Riverside and on tribal land.

In 2001, Riverside County issued an ordinance that banned the use of Class B biosolids for land application but allowed limited use of Class A biosolids. In 2003, the restrictions were expanded to address nuisance problems related to Class A biosolids. Kern County's Class A requirement (Class B ban) went into effect in early 2002, and King's County followed in 2003 with only composted biosolids allowed after 2006.

- In 2002, as staff began work on a large-scale long-range biosolids management plan and contentious local county Class B land application bans were on the rise, OC San began increasing diversification away from land application and added more composting in Riverside County. Biosolids were also recycled on Fort Mohave tribal land in Mohave County, Arizona and Clark County, Nevada.
- October 28, 2002 Yakima Co. began operations at their new biosolids management site in La Paz County, Arizona. The operation involved biosolids air drying to achieve material greater than 50% total solids and use as alternative daily cover at La Paz Landfill. A total of 4,628.09 wet tons (881.7 dry metric tons) of biosolids were managed through this process through 2002. This amount represents about 2% of the total OC San's biosolids material beneficially reused in land application operations during 2002. OC San discontinued its use of the Yakima Co. for management of its biosolids in early January 2003. The facility was later shut-down due nuisance complaints by the County of La Paz, and a lawsuit was won against the County by Yakima for \$9.2 million in damages.

- In 2002, OC San's Board of Directors voted to increase the level of treatment
  to full-secondary treatment requirements, which produced significantly more
  biosolids until the new dewatering centrifuges could be constructed and
  implemented at each plant (2018-2020). OC San's focus through the 2000's
  was on building the water-side capital facilities to meet this increased level of
  service.
- In 2003, OC San continued to encourage contractors to diversify its biosolids options, especially in Arizona and Nevada. OC San started using Arizona Soils in La Paz County, Arizona on a regular basis. OC San additionally piloted Tule Ranch's subcontractor, Universal, to utilize farms in Wellton and Dateland, Arizona for land application of about 6% of OC San's biosolids. Tule Ranch's Class A lime stabilization process was started in order to continue recycling biosolids in Kern and Kings Counties. A small amount of biosolids was used in Maricopa County, Arizona.

In addition, OC San started using Solid Solutions to recycle biosolids in Nye County, Nevada to further diversify the biosolids management program. Solid Solutions was a subcontractor to California Soils Products who had a 2002 contract with OC San to render biosolids into a treated soil product.

By March 2004, OC San ceased operation in Nye County because of a hearing with complaints from affected neighbors, local competition with dairy manure, and a letter from Nevada congressional representative, Harry Reid, whose brother was a local resident. This episode also captured the attention of the 2003-04 Orange County Grand Jury who performed an investigative study and published a report: <a href="http://www.ocgrandjury.org/pdfs/biosolids.pdf">http://www.ocgrandjury.org/pdfs/biosolids.pdf</a>.

OC San concluded its use of Solid Solutions in 2005 when it was clear that the Soil Products facility would not materialize.

- In December 2003, OC San finalized a Long Range Biosolids Management Plan that set forth the following recommendations to ensure a sustainable biosolids management program. These recommendations were implemented over the following decade.
  - Maintain at least three different product-manufacturing options at any given time.
  - Optimize capital and operations and maintenance (O&M) costs at OC
     San's treatment plants as part of implementation of the long-range plan.
  - Limit maximum participation for any market to one-half of the total biosolids production.
  - Limit biosolids management contracts to a maximum of one-third of total biosolids production per merchant facility, and one-half per contractor (for contractors with multiple product manufacturing facilities).

- For each OC San-owned product manufacturing facility, limit the size to one-half of the total biosolids production.
- Explore funding options for in-county facilities (private capital, OC San capital, or both).
- Allocate up to 10% of biosolids for participation in emerging markets.
- Pursue Orange County-based product manufacturing facilities and maximize the use of horticultural products within OC San service area by member agencies and through developing public-private partnerships.
- Maintain capacity and options at OC San's Central Valley Ranch.
- Pursue failsafe backup options (landfilling, alternative daily cover for landfills, and dedicated landfilling) to acquire a 100% contingency capacity.
- From November 1991 through December 2004, OC San achieved 100% beneficial reuse of its biosolids mostly through the use of land application with some composting.
- In 2004, OC San started ramping up the land application in Arizona through Tule Ranch's Dateland operation, from about 10% in 2003 to 20% in 2004.
   OC San also ramped up its use of compost sites in California and Arizona from about 7% in 2003 to 20% in 2004.
- In January 2005 and 2006, OC San sent a small fraction of its biosolids to two landfills in Arizona (Copper Mountain and South Yuma County Landfill) in order to increase the diversity of its biosolids management options, as well as address the operational needs caused by wet weather periods. The routes to these two landfills were not impacted by severe weather.
- Starting in 2006, Synagro eliminated their last remaining OC San land application site in Maricopa County, as fuel prices hit record highs, and focused on composting services.
  - On December 27, 2006, Synagro's new composting facility (South Kern Compost Manufacturing Facility) came online. This was the first long-term contract to become operational as an outcome of the 2003 Long-Range Biosolids Management Plan.
- In 2007, with OC San's contract that guaranteed at least 250 tons per day to Synagro's new facility, OC San's biosolids allocation to compost facilities expanded to its current level of about 50% of its total biosolids production. These facilities have extensive permitting and regulatory oversight and reporting, improved public outreach with neighbors and local communities, and have more air quality and odor process controls. Today's framework is more sophisticated than what was in place two decades ago.

Land application was also allocated about 50% of OC San's portfolio with half

- of that as lime-stabilized Class A in Kern County, California and half as Class B in Yuma County, Arizona.
- In March 2007, OC San stopped actively using landfills and maintained this
  option only as a failsafe backup. OC San re-gained its 100 percent recycling
  performance from 2008 through 2012 (excluding some digester cleanings).
- In August 2007, the Orange County Water OC San's (OCWD) Advanced Water Purification Facility, later called the Ground Water Replenishment System (GWRS), started taking an average of 30 MGD of Plant No. 1's secondary treated water to test their facility processes for purifying the water to meet drinking water standards. OCWD uses microfiltration and reverse osmosis. The water is used as a barrier for saltwater intrusion and to recharge groundwater basins starting in January 2008. Out of about 100 MGD of OC San's secondary effluent, 70 MGD of purified water for reuse was produced. Secondary effluent not sent to OC San is sent as usual to Plant No. 2 to blend with treated wastewater from Plant No. 2 prior to ocean discharge through OC San's 120-inch, 5-mile outfall. In 2015, an additional 20 MGD of influent sewage was diverted from Plant No. 2 to Plant No. 1 to support the GWRS expansion. GWRS purifies OC San's secondary treated water from Plant No. 1 to meet drinking water standards. OC San provides GWRS about 120 MGD of secondary effluent to produce purified water for reuse.
- In October 2008, Synagro's Regional Compost Facility in Riverside County stopped receiving OC San biosolids in order to prepare for the site's closure. The facility's conditional use permit was not renewed by the County of Riverside after homes were developed nearby and residents filed hundreds of odors complaints.
- In late 2008, OC San stopped using Tule Ranch's Kern County land application site. This change in strategy culminated when the EnerTech facility started commissioning their process and Kern County required additional costly environmental studies to continue utilizing that option. OC San's Kings County property was sold in December 2011.
- As part of the 2003 Long Range Biosolids Management Plan implementation, OC San issued a series of request for proposals in 2004. As a result, EnerTech Environmental, Inc. was awarded a 225-ton guaranteed-minimum contract in 2005, which was signed in May 2006. The Rialto facility was constructed and began commissioning on November 3, 2008. OC San reallocated Tule Ranch's Kern County land application loads to EnerTech to meet contractual obligations. EnerTech's patented technology used heat and pressure to convert biosolids to a certified renewable energy pellet (E-fuel) that was burned as a replacement for coal in local cement kilns. EnerTech encountered a series of technical and permitting setbacks during the commissioning process. During the start-up process, biosolids not processed at the Rialto facility were land-applied in Yuma County, Arizona by Terra

Renewal (formerly Solid Solutions).

In November 2010, EnerTech began implementation of a Single Train Technical Plan that was anticipated to address the issues and finish the commissioning process by March 2012. After a final extension and failure to meet contractual performance requirements, OC San terminated its contract with EnerTech effective July 2012. OC San re-allocated the EnerTech loads to the two remaining contractors, Synagro (composting) and Tule Ranch (land application), at about 50% each.

- March 2009, OC San began diverting settled sludge from Plant No. 1's primary clarifiers, along with about 2.5 MGD of belt press dewatering filtrate, to Plant No. 2's headworks, where they were mixed with the influent wastewater. OC San built a new pump station at Plant No. 1, the Steve Anderson Lift Station, to bring more flow into Plant No. 1 to provide more flows to GWRS. However, the additional flows produced more solids than Plant No. 1 was equipped to handle during rehabilitation of its digesters and construction of its thickening and dewatering centrifuges, making the diversion of these solids to Plant No. 2 necessary. The routine diversion of primary sludge effectively ceased by June 2019 as part of the commissioning of the new sludge thickening and dewatering facility (P1-101) at Plant No. 1. OC San continues to divert the cationic polymers contained in the thickening and dewatering filtrate to protect GWRS from constituents of concern.
- In March 2010, OC San sent a demonstration load to the City of Los Angeles
  Terminal Island Renewable Energy (TIRE) project via OC San's contract with
  Tule Ranch. OC San material was not compatible with their facility because
  the material required more screening than the City's biosolids.
- In April 2010, Tule Ranch permanently moved their land application operations from Dateland, AZ to Yuma, AZ.
- In January 2011, Tule Ranch formed an agreement with AgTech and managed OC San biosolids at two sites (Desert Ridge and AgTech) in Yuma. The following year, Tule Ranch purchased the AgTech operations and integrated the two operations. Tule Ranch has continued land applying at both Yuma sites.
- In 2012, OC San met the new NPDES ocean discharge permit's treatment requirements for secondary treatment standards. With full secondary treatment facilities operational, the focus is now on asset rehabilitation, including solids treatment facilities. The Capital Improvement Program Annual Report summarizes the projects and their progress.
- In February and March 2012, OC San's Plant No. 2 biosolids exceeded the Arsenic Table 3 Exceptional Quality Limit for fields 23110121, 2311013, 2311021, and 2311022, but were below Table 1 Ceiling Concentrations. OC

San's land application contractor, Tule Ranch, already reports Table 2 Cumulative Pollutant Loading Rates for all pollutants and all fields as part of their annual report to the Arizona Department of Environmental Quality.

As directed by the Board's November 2011 Strategic Plan direction, OC San executed an agreement with Orange County Waste and Recycling (OCWR) to manage up to 100 tons per day of OC San's biosolids at the Prima Deshecha landfill located in the city of San Juan Capistrano, California. This alternative provided OC San a local biosolids management option during projected peak biosolids production period until 2017.

As a result of the landfill start-up in 2013, OC San recycled about 94-97% of its biosolids, with the remaining biosolids going to the OCWR landfill. Landfill loads do not count towards recycling despite the indirect energy production from capturing methane onsite. OC San sent the landfill about one truck per day of grit and screenings (non-recyclable material) and three trucks of biosolids per day (5 days per week when not impacted by rain) in order to keep some revenues and resources in-County (see also OC San Biosolids Policy Board Resolution 13-03: <a href="https://www.ocsan.gov/bios-policy">www.ocsan.gov/bios-policy</a>).

However, after residential complaints in late 2016, biosolids loads to the landfill were on hiatus until operations moved further away from the phase of the housing development that opened in Fall of 2016. With the heavy rains received December through February 2017, the landfill was operating in a different section, and OC San remained on hiatus. In February 2017, OC San received direction to cease disposal of biosolids to the landfill. The amount of biosolids landfilled impacted the city of Fountain Valley, which is one of OC San's member agency. The City is required by CalRecycle to divert 50% of its solids waste from the landfill. Since OC San is based in the city of Fountain Valley (host city), the tonnage of biosolids being landfilled counted against the city's solids waste diversion goal of 50% diversion. In response, OC San stop hauling biosolids to landfill for disposal.

- In November 2016, the Kern Measure E (2006) biosolids ban was struck down. A Tulare County Superior Court judge ruled that Kern County Measure E is invalid and unlawful. The Judge found that Measure E, the ordinance banning land application of biosolids in the unincorporated areas of the county, is preempted by state recycling laws and exceeded Kern's police powers. The judge granted a permanent injunction against enforcing Measure E. In September 2017, parties signed a settlement agreement allowing the City of Los Angeles to continue to land apply biosolids.
- In May 2017, OC San completed a comprehensive Biosolids Master Plan (<u>ocsan.gov/BMP</u>) that is providing a long-term framework for a sustainable, cost-effective biosolids management program. The Plan recommended

building temperature-phased anaerobic digesters at Plant No. 2 to address seismic issues with existing digesters while creating an essentially pathogen-free biosolids product. In addition, OC San will install a food waste receiving station at Plant No. 2 (see Food Waste Treatment Policy Initiative towards the end of the report). The food waste facility will support state and local organics recycling goals including diverting 50% of landfill-bound organic materials (carbon-based recyclables including biosolids) by 2020 and 75% by 2025. Food waste will be co-digested to create more gas and electricity, as well as a few additional biosolids trucks.

The Master Plan also reviewed and updated the former program guiding principles. And formalized an updated set as the "Ten Tenets of OC San's Biosolids Management Plan" (<a href="www.ocsan.gov/bpten">www.ocsan.gov/bpten</a>). See the report's "Biosolids Management System" section for a list of the tenets and OC San's performance relative to them.

- In 2017, Project P1-100 was completed. This project cleaned and rehabilitated each of the Plant No. 1 digesters. Routine maintenance is now targeting to cleaning digesters every five years. To that end, OC San issued a new dry-ton based bid (previous bids based on gallons) that was awarded to Synagro to clean digesters at both plants. The first 5-year cleaning was performed on Digester 7 in 2017.
- In 2017, OC San established a biosolids compost demonstration planter at Plant No. 2 as part of an existing landscaping project. The planter uses the same native plants as nearby control planters that didn't use biosolids. Five (5%) and (10%) biosolids compost were amended into the soil. The landscape architects and soil laboratories did not want to use biosolids compost because of the salinity analyses, so OC San demonstrated that the assimilative capacity of biosolids that is not reflected in the laboratory analysis. The demonstration also showed that the plants survived and thrived when the laboratory analyses counter-indicate biosolids compost because the analyses do not necessarily directly correlate to the actual field performance, and because biosolids contains a more complicated blend of compounds that allow assimilative bonds that have remediating effects. OC San noticed no overall difference in plant performance between the 5% and 10% plots. The plots using biosolids compost continue to thrive as well as if not better than areas where biosolids compost was not used.
- Upon ceasing the use of the local landfill in late 2016, OC San has subsequently achieved 100% beneficial recycling of all biosolids, including digester cleanings. There was a 1% exception in 2021 when the new digester cleaning contract utilized La Paz County and Holloway landfills until the contract could be amended to switch to Liberty Compost.

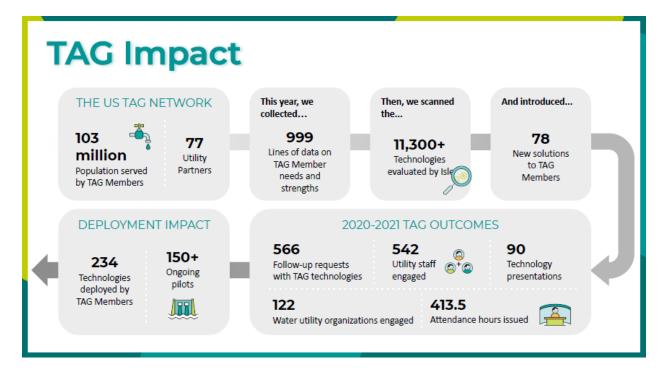
- Between 2017 and 2019, OC San cleaned a record of twenty (20) digesters using maintenance contracts and established a new routine cleaning schedule. OC San went out with a request for proposal in 2020. The new contract cleaned an additional nine (9) digesters in 2021.
- In 2019, OC San finished commissioning new dewatering centrifuge facilities that replaced the dewatering belt filter presses at Plant No. 1 and at Plant No. 2. The total percent solids of dewatered biosolids increased significantly in 2019, resulting in approximately 25% less biosolids (wet weight) and trucks to manage (see Figure 1 below). The Plant No. 1 project also installed predigestion centrifuges to thicken primary and secondary solids, so the existing dissolved air floatation thickening units are no longer in use. Additionally, Plant No. 1 truck loading facility was rehabilitated.
- In 2020, a pandemic contingency hauling plan was added into the Biosolids Section of the Integrated Emergency Response Plan in the case that COVID-19 impacted haulers.
- OC San issued a request for proposals for digester cleaning maintenance in June 2020 and awarded the multi-year contract to American Processing Group (APG) in October 2020. APG began cleaning digesters in January 2021, with about 1% of the digester cleaning material going to landfill until an amendment was put in place to provide for composting of the material.
- The 2019 and 2021 Strategic Plans included Biosolids Management Policy initiatives to:
  - Educate and advocate with the local, state, and federal agencies to assure biosolids will continue to be safely and legally used as a soil amendment,
  - Monitor and research constituents of emerging concern such as PFAS and microplastics that may impact biosolids,
  - Stay abreast of new technology options to convert organics to energy and other regional biosolids recycling and renewable energy partnerships within Southern California.
  - Updates on the initiatives are listed below.
- In 2020, Tule Ranch-Ag Tech expanded their registered permitted fields to include the entire Desert Ridge site.

### In 2021:

 Beneficial Reuse: Recycled 99% of OC San's biosolids with about 1% digester cleaning materials that went to La Paz County (Arizona) and Holloway (California) landfills before the contract was amended to go to Liberty Compost (California).

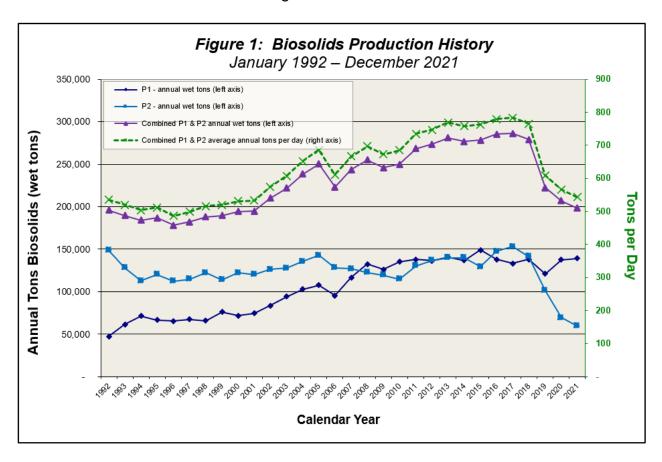
- Digester Cleanings: As part of the newly-awarded, multi-year digester cleaning contract, American Processing Group (APG) cleaned nine digesters including the first working digesters to begin the 5-year cleaning cycle and one-year holding digesters cleaning cycle.
- Plant No. 2 Temperature-Phased Anaerobic Digester (TPAD) Facility: This project will build six new thermophilic digesters and Class A batch tanks. The project started the design phase in January 2022, construction is scheduled to begin in July 2025 and last 5 years.
- Food Waste Treatment Policy Initiative: As part of the implementation of the 2017 Biosolids Master Plan, 2021 Strategic Plan, and as part of the General Manager's Work Plan goal for Fiscal Year 2021-22, OC San had conducted a market assessment of available pre-processed food waste feedstock for co-digestion and is on standby to secure bids to construct P2-124 "Interim Food Waste Receiving Facility" at Plant No. 2. Three prospective municipal solid waste haulers expressed interest in providing food waste feedstock and each is engaged in feasibility assessment and business case evaluation. OC San continues to negotiate with Orange County solid waste haulers to secure a high-quality and reliable food waste feedstock for P2-124. As designed, the pilot project is capable of receiving between 150 to 250 wet tons of pre-processed food waste to be co-digested in OC San's anaerobic digesters at Plant No. 2. The added organic feedstock will account for about a 10% increase of biogas production that will be used to generate electricity.
- Biosolids Management Policy Initiative Biosolids Thermal Conversion: As directed by the 2019 Strategic Plan, a request for information (RFI) was issued for biosolids thermal conversion technologies (BTC) in April 2020. This process continued into 2021 with contract negotiations resulting in a sole-source demonstration contract awarded to Anergia's Rialto Bioenergy Facility (RBF) in July 2021. RBF is currently running belt dryers to produce >90% total solids dry pellets and is scheduled to install a pyrolysis unit in 2022 to produce biochar. In additional to energy generation, the pyrolysis technology has the potential to destroy PFAS compounds. OC San began sending up to 100 tons per day to RBF in September 2021.
- Supercritical Water Oxidation Research Demonstration Project: In December 2021, OC San's Board of Directors approved a contract with 374Water Systems, Inc. to install a small (6 tons per day of solids) supercritical water oxidation demonstration unit at Plant No. 1. Staff has been following this new technology for solids treatment for several years. This technology takes advantage of a unique property of water at high temperature and pressure to convert all complex organic material (including plastics and PFAS) to more basic and benign compounds like nitrogen, water, carbon dioxide, and mineral salts. The unit is expected to be installed in 2022 and begin operation by early 2023.

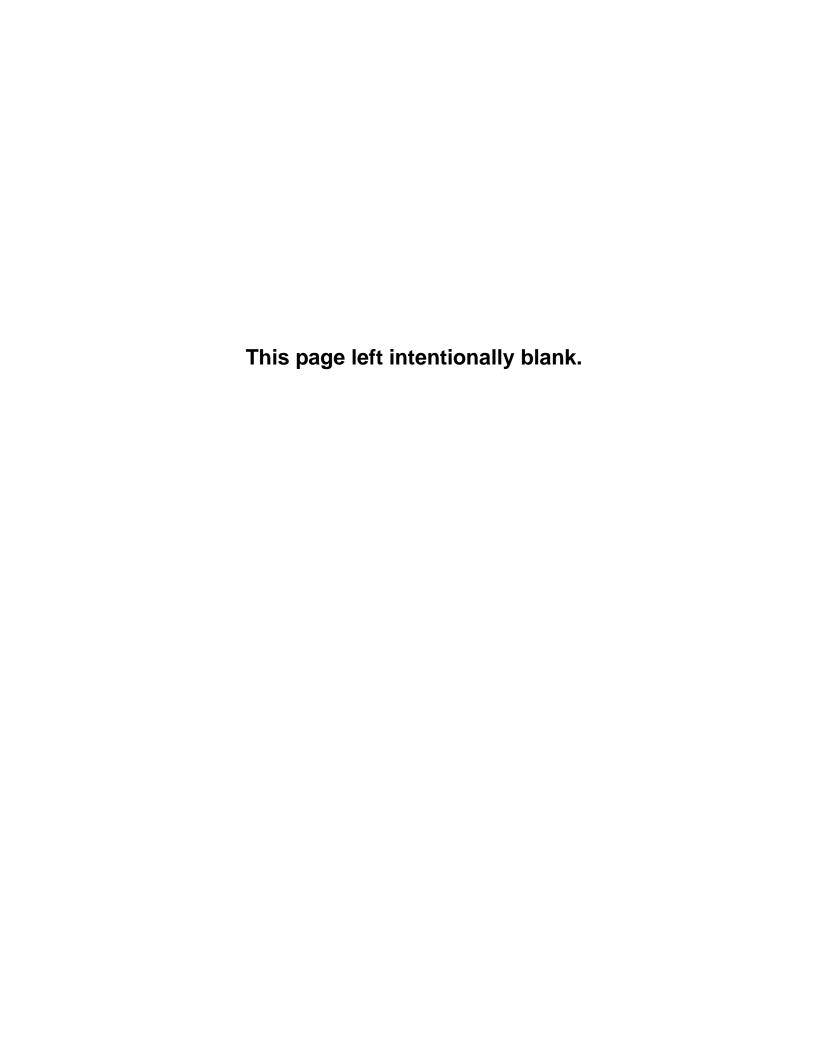
Research: OC San's Research Program continues to stay abreast of advanced technologies. Isle Utilities facilitates the Technology Advisory Group (TAG) that OC San participates in as an integral part of its Research Program. The TAG screens and evaluates potential beneficial technologies for the wastewater industry. Quarterly, OC San hosts the Western Wastewater TAG meeting to learn of the most promising technologies screened by Isle (TAG research consultant) that members may choose to pilot. OC San continues to stay current in biosolids and energy recovery technologies through this process. Below is an infographic explaining the expansive TAG network, the general process, and some key outcomes from the Isle 2021 year-end summary report.



- OC San's Awards and Honors (<u>www.ocsan.gov/about-us/awards-and-honors</u>) webpage features many awards for this year including:
  - Excellence Award from the California Association of Sanitation Agencies for Asset Management Program
  - The National Association of Clean Water Agencies:
    - Platinum Peak Performance Award
    - Excellence in Management Recognition
  - Achievement of Excellence in Procurement from the National Procurement Institute
  - Distinguished Budget Presentation Award from the Government Finance Officers Association for the FY 2020-2021.
  - The California Water Environment Association
  - Collections System of the Year: 2nd place
  - The National Safety Council:
    - Occupational Excellence Achievement Award: Plant No. 1

- Milestone Award: Plant No. 2
- Santa Ana River Basin Section (SARBS) of the California Water Environmental Agency (CWEA):
  - Operator of the Year Gold Michael Huls
  - Collection System Person of the Year Steve Grande
  - Collection System of the Year, 200 500 miles category
  - Gimmicks and Gadgets Alkaline Enhanced Iron Odor Control







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