ORANGE COUNTY SANITATION DISTRICT

BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

EPA 40 CFR Part 503

Year 2021

OCSAN
ORANGE COUNTY SANITATION DISTRICT

OC SAN
ORANGE COUNTY SANITATION DISTRICT
10844 Ellis Avenue
Fountain Valley, CA 92708
714.962.2411
www.ocsan.gov

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

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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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10844 Ellis Avenue
Fountain Valley, CA 92708
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February 14, 2022

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

SUBJECT: Orange County Sanitation District Annual Compliance Report

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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.

Lan C. Wiborg
Director of Environmental Services

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2021 BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

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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 compliance-reporting 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 santaana@waterboards.ca.gov, 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 santaana@waterboards.ca.gov, 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.
2. 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 Related 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.

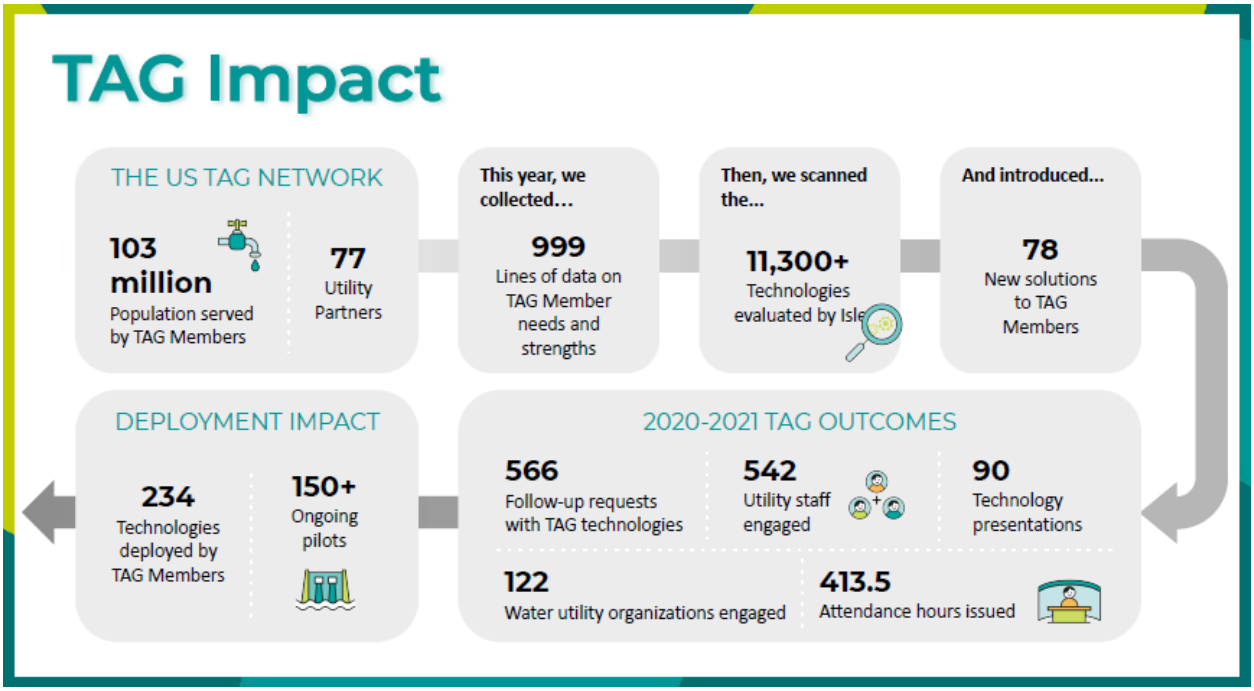
- Plant No. 2 Temperature-Phased Anaerobic Digester (TPAD) Facility: This project will build six new thermophilic digesters and Class A batch tanks. The project started the design phase in January 2022, construction is scheduled to begin in July 2025 and last 5 years.

- 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 (www.ocsan.gov/about-us/awards-and-honors) 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
- 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.

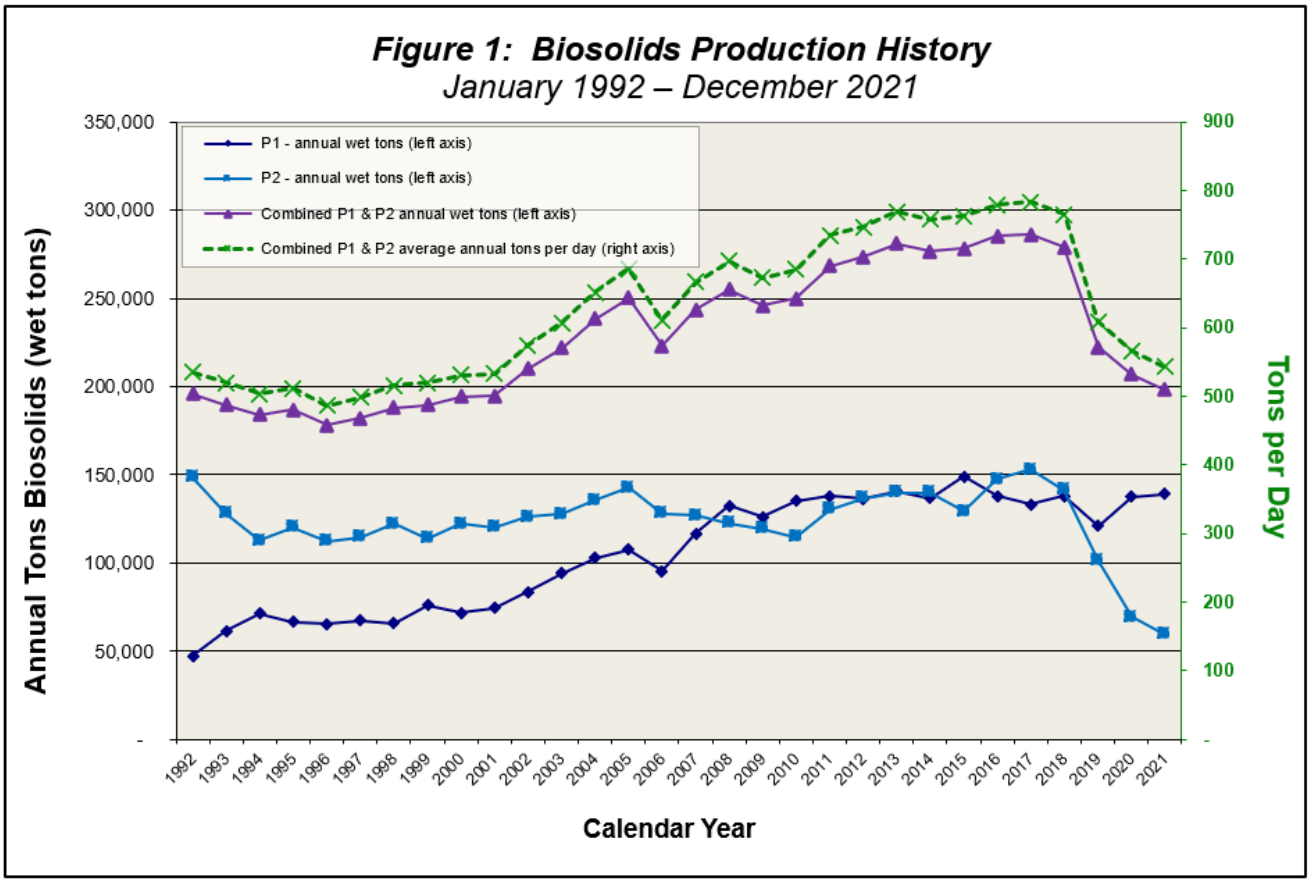
Dewatered biosolids averaged 24% total solids at Plant No. 1 and 27% total solids at Plant No. 2. Detailed data, including monthly averages, annual totals, and analytical results, can be viewed in Figure 1 and Table 2 below, as well as in Appendices A, B, C, and D.

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 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 (ocsan.gov/PreTreatAnnual, 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 (www.youtube.com/OrangeCountySanitationDistrict), and updated OC San resources such listed below:

- Monthly compliance reports and data (www.ocsan.gov/nani),
- 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:
    - 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 (www.ocsan.gov/services/strategic-planning).

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

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

Table 3 – Policy Performance	
Policy Commitment	**2021 Performance**
1. **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.
2. 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.
3. 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.
4. 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.
5. 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).
6. 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.
7. 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 (www.ocsan.gov/compost) 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.

Ten Tenets of OC San's Biosolids Management Plan

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

Table 4 – Ten Tenets of Biosolids Management Performance	
Tenet Commitment	**2021 Performance**
1. Allocate up to 50 percent of biosolids per biosolids contractor.	Each contractor received **less than 50%** 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 ocsan.gov/map.
2. 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**
	• 5% to La Paz County, AZ (2.7% increase over last year), • 1.5% to Orange County, (3.8% decrease over last year), • 3% to San Diego County, (about the same as last year), Heat-dried pellets were produced with **1%** of OC San's biosolids at RBF. These pellets were used on farms in Arizona. The remaining **36%** 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 **six (6)** 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 ocsan.gov/map.
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 **three (3)** 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 ocsan.gov/map.
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.
9. Allocate up to 10 percent of total biosolids production for participation in emerging markets, including participation in pilot or demonstration projects.	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.
10. Explore partnerships with area soil blenders to allow incorporation of OC San's Class A product into local markets.	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

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**	**Total**
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**
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**
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**
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	0	0	0	0	0	0	0	21	138	262	0	164	**584**
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)			**9, 5**	**10**						**15**	**15, 16**	**16, 6**	
Digester Cleaning Total Solids Percents			**55, 23**	**22**						**30**	**30, 32**	**32, 54**	
La Paz Landfill, AZ (landfill) (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) (dry metric tons)	0	0	0	270	0	0	0	0	0	211	200	420	**1,101**
Digester Cleaning 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**

Wet Tons

138,978

Dry Tons

30,402

Table 2: OC San Biosolids Wet and Dry Tonnage Distribution

Wastewater Treatment Plant No. 2, Huntington Beach, CA

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**	**Total**
Tule Ranch AZ - land application (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**
Liberty Compost CA (dry metric tons)	56	0	0	0	31	25	56	94	124	118	56	87	**648**
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**
Inland Empire Regional Composting (wet tons)	787	714	764	642	847	1,061	811	592	693	767	1,019	824	**9,521**
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	491	0	0	0	0	0	0	0	0	0	0	**491**
Liberty Compost (compost) (wet tons)	0	23	223	0	0	0	0	0	0	0	0	0	**246**
Liberty Compost (compost) (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**	**4,176**	**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**

Wet Tons

59,371

Dry Tons

14,855

OCSAN
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, 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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)**	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. 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	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	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).

** MCRT based on a 15-Day Rolling Average.

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

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

Lan Wiborg
Lan Wiborg (Apr 14, 2021 15:02 PDT)

Lan C.Wiborg — lwiborg@ocsan.gov
Environmental Services Director — (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Apr 13, 2021 14:55 PDT)	Deirdre Bingman (Apr 13, 2021 08:48 PDT)		Reza Sobhani (Apr 14, 2021 14:00 PDT)

OCSAN
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, 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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	31	Out of Service	32	Out of Service	31	31	Out of Service	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	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).
* 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).
** MCRT based on a 15-Day Rolling Average.

OC 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, 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
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Lan Wiborg
Lan Wiborg (Apr 21, 2021 15:2[illegible] PDT)

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Cindy Vellucci Cindy Vellucci (Apr 19, 2021 10:16 PDT)	[illegible] Deirdre Bingman (Apr 20, 2021 06:55 PDT)	Rachel Van Exel	Reza Sobhani Reza Sobhani (Apr 20, 2021 08:41 PDT)
Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani

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

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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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)**	32	32	Out of Service	33	Out of Service	32	32	Out of Service	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	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

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.*

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

Jim Spears
Operations Manager
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Lan C. Wiborg
Lan C. Wiborg (May 25, 2021 09:45 PDT)

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Cindy Vellucci

Deirdre Bingman

Rachel Van Exel

Reza Sobhani

Reza Sobhani (May 25, 2021 06:59 PDT)

OC 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: 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (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. 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)**	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

OCSAN
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.*

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Jim Spears
Operations Manager
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(714) 593-7081

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

Lan C.Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci	Tom Meregillano	Rachel Van Exel	Reza Sobhani

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: 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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	25	23	Out of Service	Out of Service	23	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	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	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

OC 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: May 1- 31, 2021

Certifications:

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Lan C. Wiborg (Jul 21, 2021 07:50 PDT)

Jim Spears
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jspears@ocsan.gov
(714) 593-7081

Lan C.Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci	Tom Meregillano	Rachel Van Exel	Reza Sobhani

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): 06/01/21, 06/08/21

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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	Out of Service	Out of Service	22	22	23	23	22	22
Minimum Temperature (Min 95 °F)	99	99	99	Out of Service	Out of Service	99	99	99	99	99	99

OCSD 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)**	29	29	Out of Service	29	Out of Service	29	29	Out of Service	Out of Service	29	29	28	Out of Service	28	28	29	Out of Service	29
Minimum Temperature (Min 95 °F)	99	101	Out of Service	103	Out of Service	102	100	Out of Service	Out of Service	99	101	102	Out of Service	102	102	103	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).

** MCRT based on a 15-Day Rolling Average.

OCSAN
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.*

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Jim Spears
Jim Spears (Aug 4, 2021 12:51 PDT)

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

Lan Wiborg
Lan Wiborg (Aug 4, 2021 14:33 PDT)

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Environmental Services Director — (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Aug 2, 2021 10:08 PDT)	Deirdre Bingman (Aug 3, 2021 13:08 PDT)	Rachel Van Exel	Reza Sobhani (Aug 4, 2021 10:07 PDT)

OCSAN
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

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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min[2]	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[2]	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)[2]	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)[3]	24	24	24	70[1]	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. 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)[3]	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).

[1] 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.

[2] 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).

[3] MCRT based on a 15-Day Rolling Average.

OC 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: 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.*

Jim Spears
Jim Spears (Dec 16, 2021 11:56 PST)

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

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

Lan C.Wiborg — lwiborg@ocsan.gov
Environmental Services Director — (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Dec 15, 2021 09:38 PST)	Deirdre Bingman (Dec 15, 2021 10:06 PST)		Reza Sobhani (Dec 16, 2021 08:46 PST)

OC 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: July 1- 31, 2021

rtifications:

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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 ormation 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.*

izona 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.*

Jim Spears
Jim Spears (Dec 16, 2021 11:56 PST)

Jim Spears
Operations Manager
jspears@ocsan.gov
(714) 593-7081

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

Lan C.Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci (Dec 15, 2021 09:38 PST)	Deirdre Bingman (Dec 15, 2021 10:06 PST)	Rachel Van Exel	Reza Sobhani (Dec 16, 2021 06:46 PST)
Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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	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. 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)**	27	Out of Service	Out of Service	26	Out of Service	28	28	Out of Service	Out of Service	26	26	28	Out of Service	27	27	28	Out of Service	28
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	100	Out of Service	100	100	Out of Service	Out of Service	100	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

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.*

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

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

Lan Wiborg
Lan Wiborg (Nov 30, 2021 15:1[illegible] PST)

Lan C.Wiborg — lwiborg@ocsan.gov
Environmental Services Director — (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Nov 26, 2021 16:07 PST)	Deirdre Bingman (Nov 30, 2021 09:28 PST)		Reza Sobhani (Nov 30, 2021 11:12 PST)

OCSAN
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, 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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	22	24	25	24	23	23	23	23	Out of Service	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. 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)**	28	Out of Service	Out of Service	27	Out of Service	28	28	Out of Service	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	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

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.*

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Jim Spears
Operations Manager
jspears@ocsan.gov
(714) 593-7081

Lan Wiborg (Dec 21, 2021 11:2[illegible] PST)
Lan C. Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci (Dec 16, 2021 14:42 PST)	Deirdre Bingman (Dec 13, 2021 08:06 PST)	Rachel Van Exel	Reza Sobhani (Dec 16, 2021 06:47 PST)
Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani

OCSAN
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: 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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	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. 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	24	24	25	25	24	23	24	24	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	99	99	99	100	99	99	99	99	99	Out of Service	Out of Service

OCSD 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)**	28	Out of Service	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	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).
* 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).
** MCRT based on a 15-Day Rolling Average.

OCSAN
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: 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
Operations Manager
jspears@ocsan.gov
(714) 593-7081

Lan Wiborg
Lan Wiborg (Dec 21, 2021 11:36 PST)
Lan C. Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci
Deirdre Bingman
Rachel Van Exel
Reza Sobhani

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)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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	Out of Service
Minimum Temperature (Min 95 °F)	98	98	99	99	99	99	99	99	99	Out of Service	Out of Service

OCSD 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)**	29	Out of Service	Out of Service	28	Out of Service	29	28	Out of Service	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	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).

* 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).

** MCRT based on a 15-Day Rolling Average.

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

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

Lan Wiborg
Lan Wiborg (Jan 20, 2022 08:46 PST)

Lan C. Wiborg — lwiborg@ocsan.gov
Environmental Services Director — (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Jan 19, 2022 16:23 PST)	Deirdre Bingman (Jan 11, 2022 07:03 PST)		Reza Sobhani (Jan 11, 2022 07:49 PST)

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: 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)(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): 12/07/21,12/14/21

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	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. 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)**	28	Out of Service	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)	97	Out of Service	Out of Service	98	Out of Service	100	97	Out of Service	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).
** MCRT based on a 15-Day Rolling Average.

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: 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.*

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 (Jan 27, 2022 09:11 PST)

Jim Spears, Operations Manager, jspears@ocsan.gov, (714) 593-7081

Lan Wiborg
Lan Wiborg (Jan 27, 2022 09:14 PST)

Lan C. Wiborg, Environmental Services Director, lwiborg@ocsan.gov, (714) 593-7540

Cindy Vellucci | Deirdre Bingman | Rachel Van Exel | Reza Sobhani

APPENDIX B

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 www.ocsan.gov/503 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 Trace Metal Content of Biosolids, Fiscal Years 2011/12-2020/21, in Milligrams per Dry Kilogram
Orange County Sanitation District, Resource Protection Division

Metal	FY	EQ Limit	Plant 1			Plant 2		
			Min	Max	Avg	Min	Max	Avg
Arsenic	2011-12	41	2.3	11	7.4	6.6	66	22
	2012-13		0	7.8	4.7	2.0	10	7.0
	2013-14*		3.5	9.5	5.8	5.4	11	8.4
	2014-15		4.5	11	7.2	7.8	12	9.3
	2015-16*		6.3	12	8.3	6.2	12	9.2
	2016-17*		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
Cadmium	2011-12	39	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
	2015-16*		1.3	4.7	2.5	2.0	4.5	3.0
	2016-17		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
Chromium	2011-12	**	42	74	52	40	70	56
	2012-13		42	56	49	42	59	49
	2013-14		39	52	45	40	53	46
	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

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

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

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

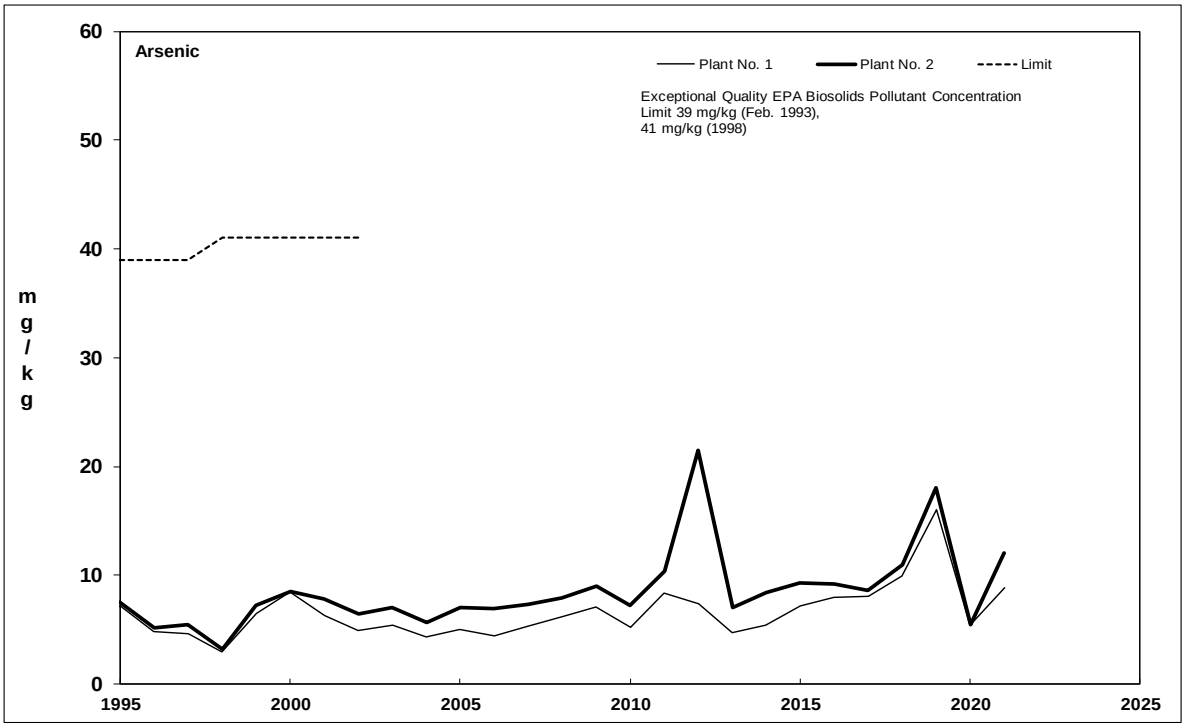

Figure 8-1 Trends in Concentrations of Arsenic in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

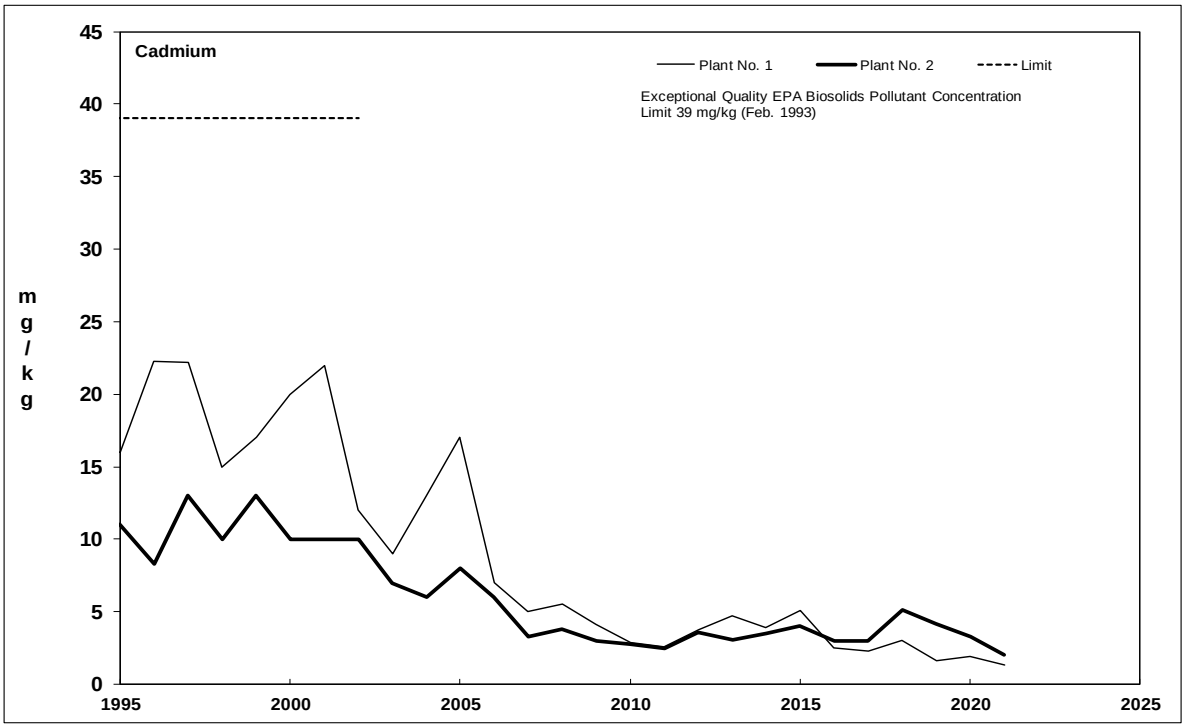

Figure 8-2 Trends in Concentrations of Cadmium in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

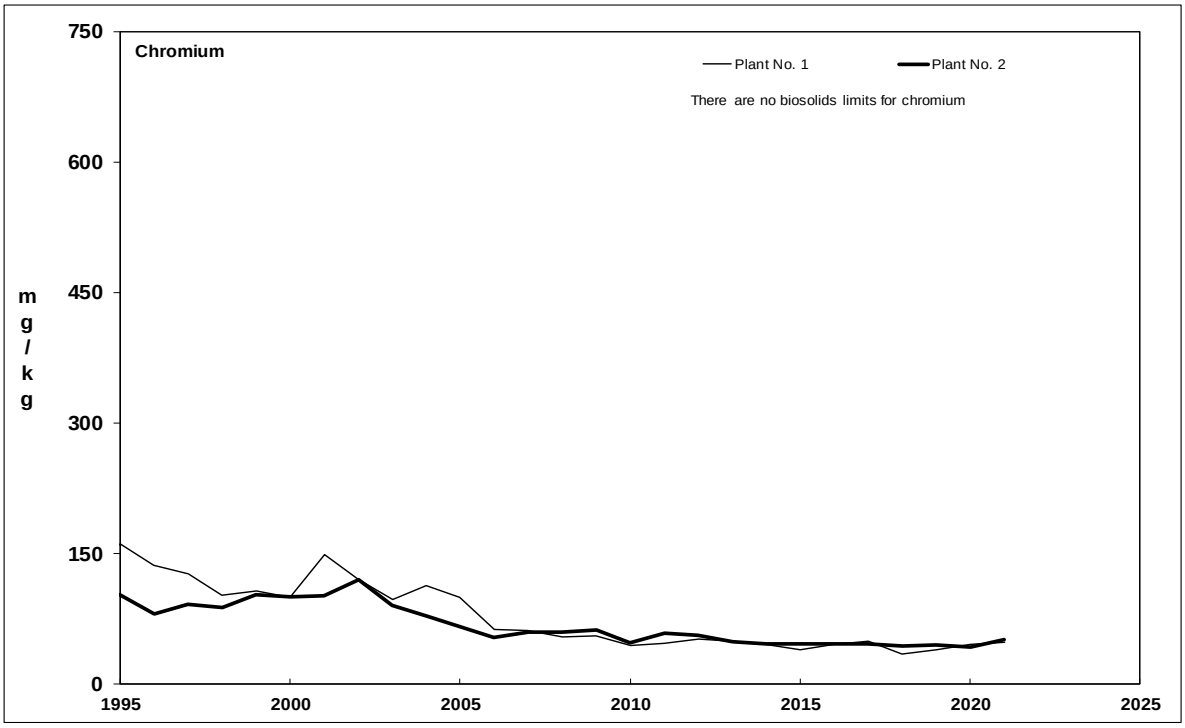

Figure 8-3 Trends in Concentrations of Chromium in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

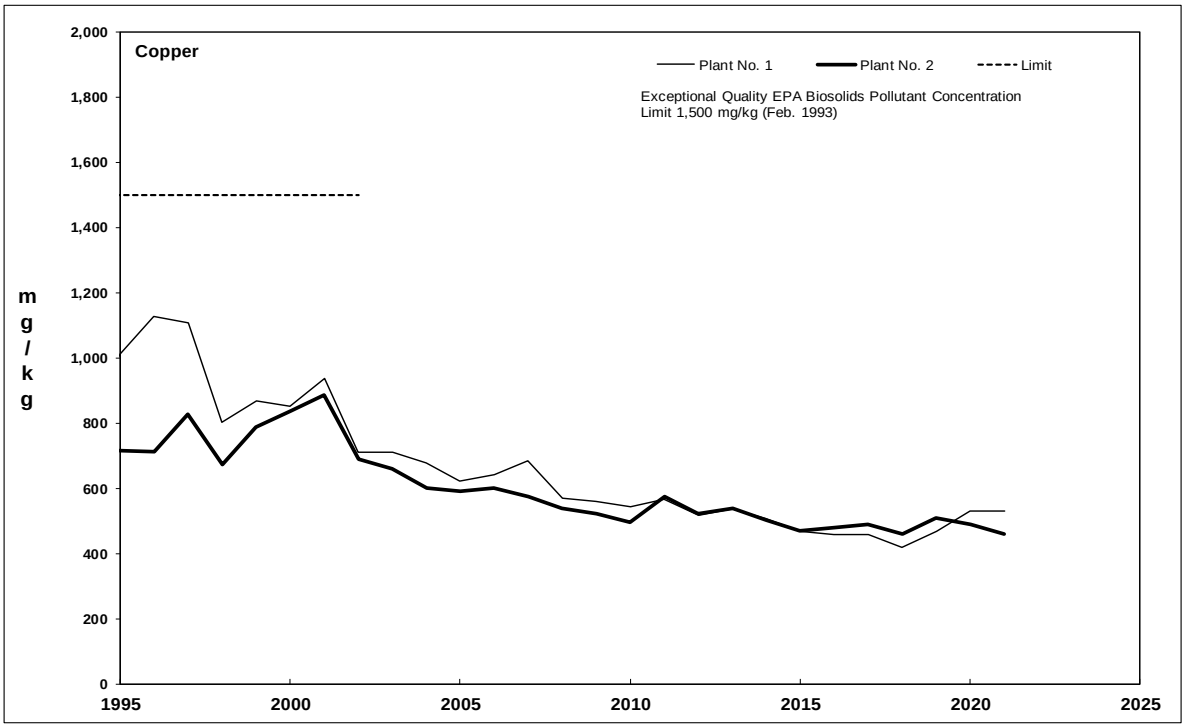

Figure 8-4 Trends in Concentrations of Copper in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

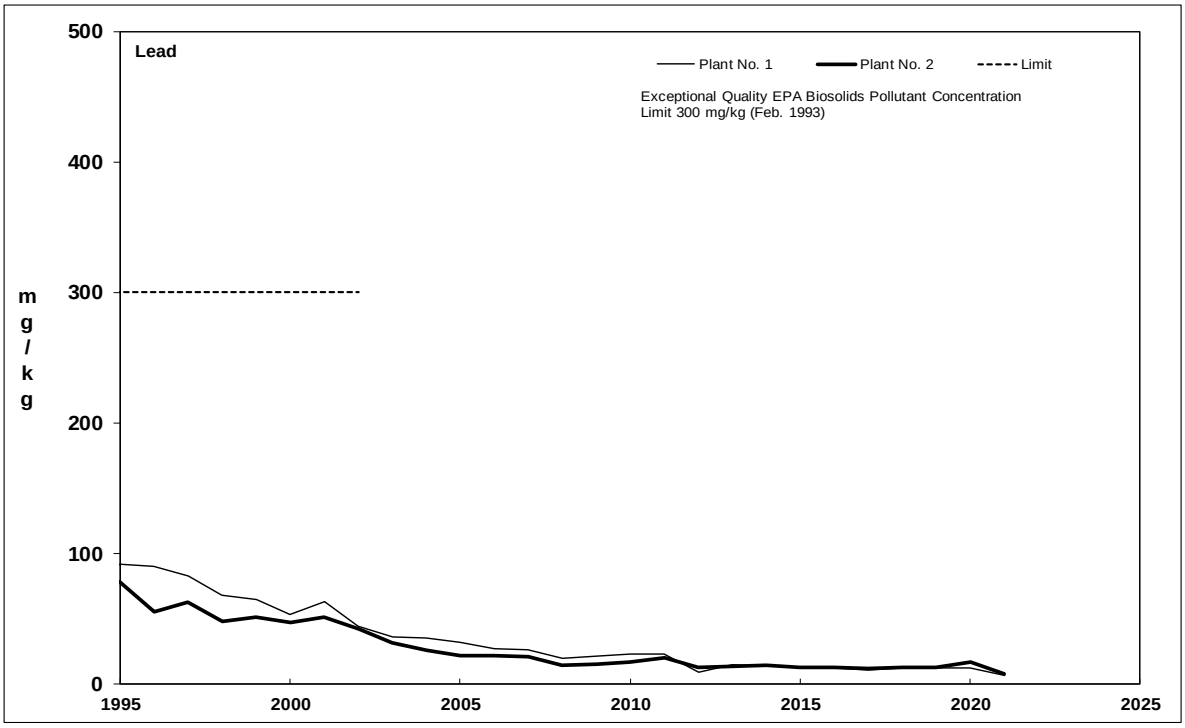

Figure 8-5 Trends in Concentrations of Lead in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

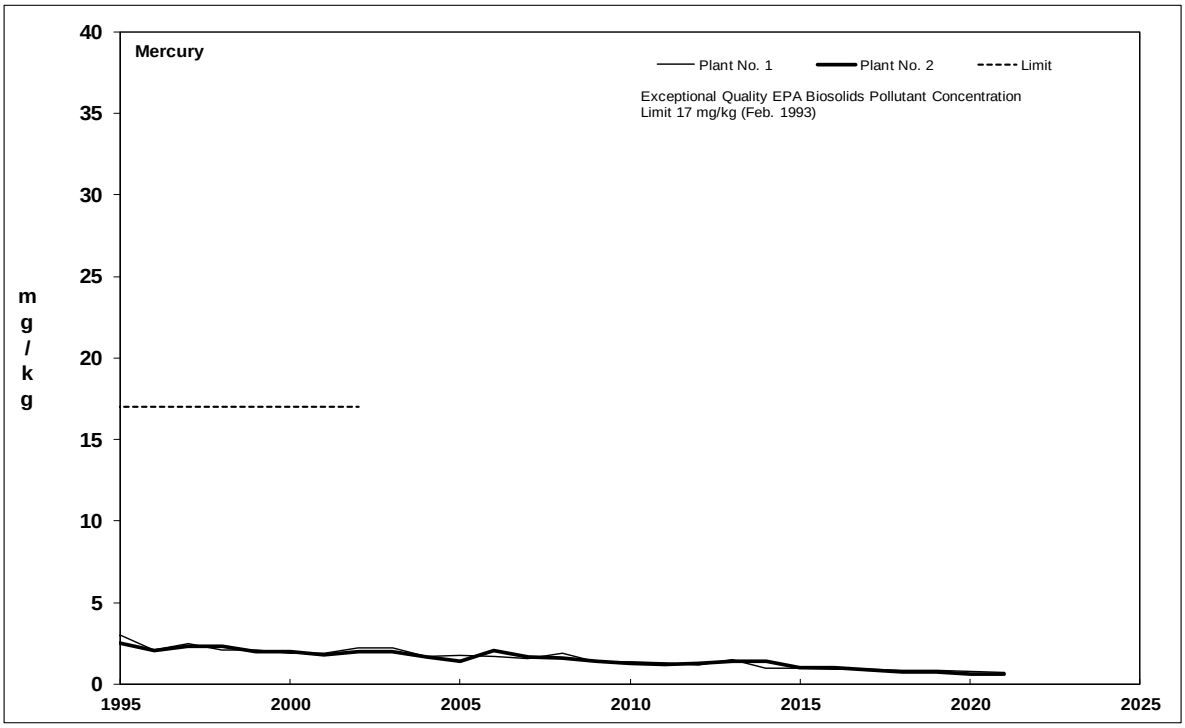

Figure 8-6 Trends in Concentrations of Mercury in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

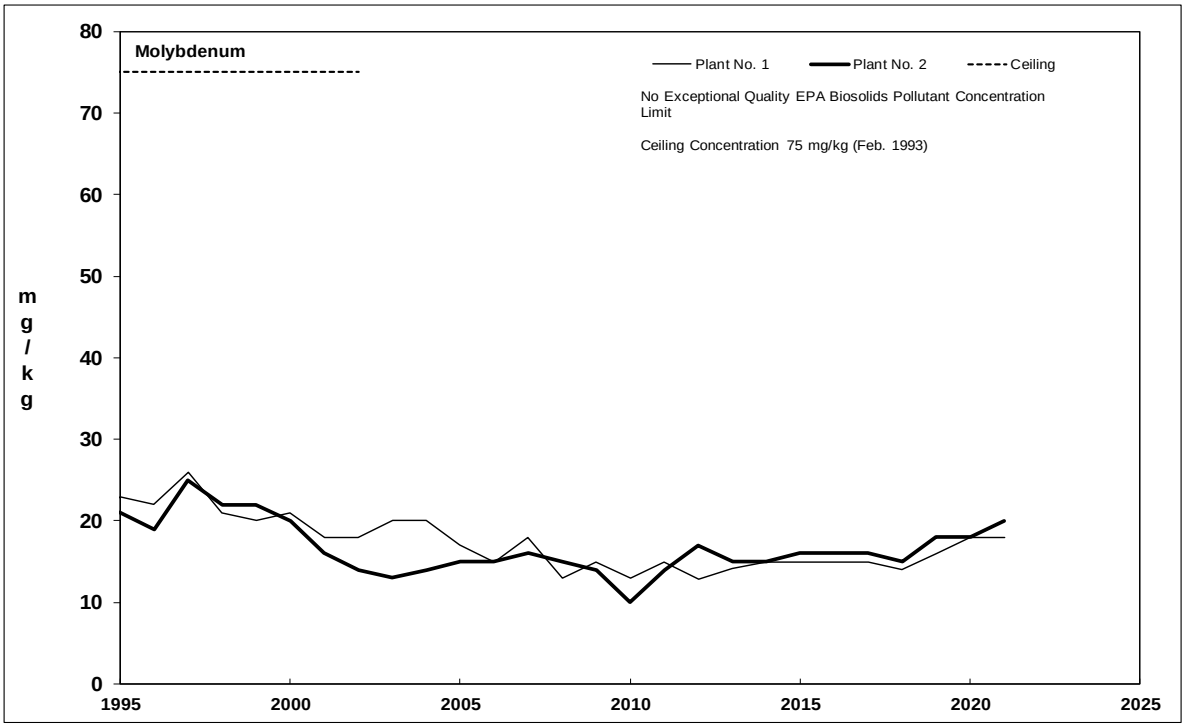

Figure 8-7 Trends in Concentrations of Molybdenum in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

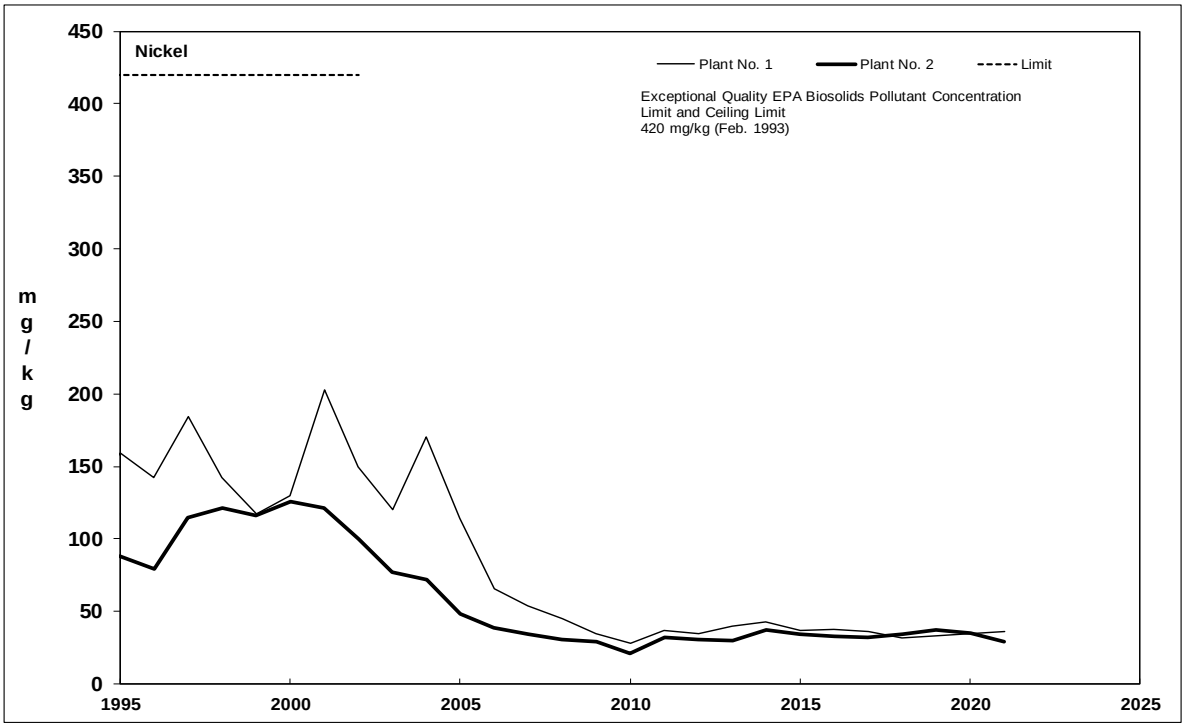

Figure 8-8 Trends in Concentrations of Nickel in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

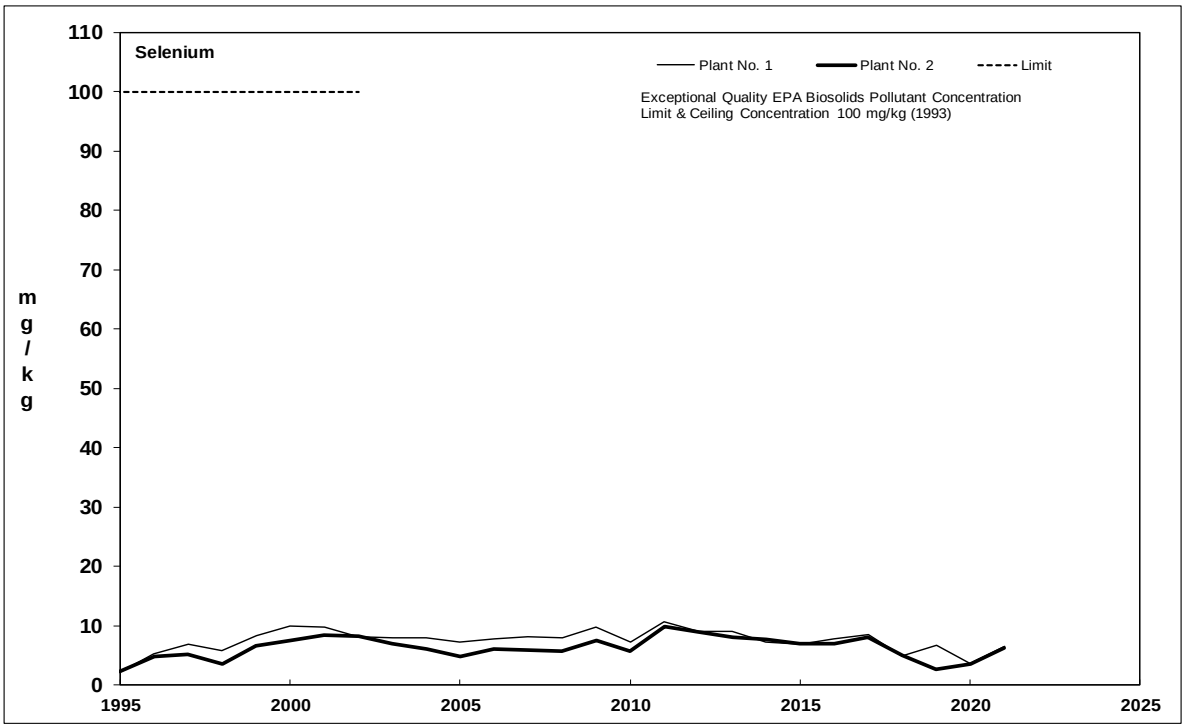

Figure 8-9 Trends in Concentrations of Selenium in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

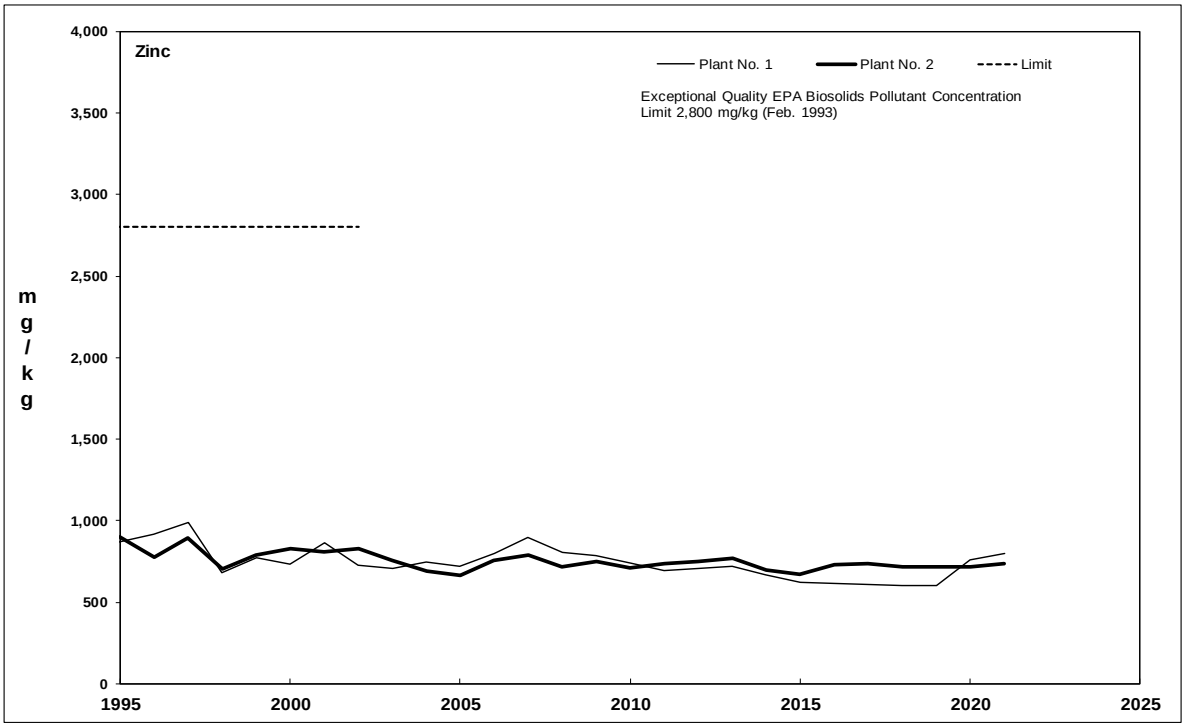

Figure 8-10 Trends in Concentrations of Zinc in Biosolids, Fiscal Years 1994/95-2020/21
Orange County Sanitation District, Resource Protection Division

APPENDIX C

Summary of Biosolids Monitoring Results

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
General Chemistry	Ammonia-N	SM 4500 NH3 G	mg/kg	Plant 1 Dewatering Cake	01/12/2021	2000	98	490
					01/19/2021	1700	98	490
					02/02/2021	1800	99	500
						7800	430	2200
					02/09/2021	2400	98	490
					03/02/2021	1900	99	500
					03/09/2021	2100	99	500
					04/06/2021	3100	100	500
					04/13/2021	2400	99	490
					05/04/2021	1500	99	500
					05/11/2021	1900	99	500
					06/01/2021	2200	98	490
					06/08/2021	1700	98	490
					07/13/2021	1800	98	490
					07/20/2021	1700	99	500
					08/03/2021	1600	98	490
					08/10/2021	4700	200	980
					09/07/2021	1600	97	480
					09/14/2021	2400	100	500
					10/05/2021	1800	99	500
					10/12/2021	1800	100	500
					11/02/2021	2200	98	490
					11/09/2021	2200	98	490
					12/07/2021	1800	98	490
					Annual Mean	2300		
					Annual Max	7800		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	8400	410	2100
					01/19/2021	7500	430	2200
					02/09/2021	11000	450	2300
					03/02/2021	8200	430	2200
					03/09/2021	9000	420	2100
					04/06/2021	13000	430	2100
					04/13/2021	10000	410	2000
					05/04/2021	6900	460	2300
					05/11/2021	8200	430	2200
					06/01/2021	9300	410	2100
					06/08/2021	7900	450	2300
					07/13/2021	7500	410	2000
					07/20/2021	7200	420	2100
					08/03/2021	6500	400	2000
					08/10/2021	19000	810	4000
					09/07/2021	6300	380	1900
					09/14/2021	9300	390	1900
					10/05/2021	7000	380	1900
					10/12/2021	7200	400	2000
					11/02/2021	8400	370	1900
					11/09/2021	8500	380	1900
					12/07/2021	6900	380	1900
					Annual Mean	8800		
					Annual Max	19000		
		SM 4500 NH3 G	mg/kg	Plant 2 Dewatering Cake	01/12/2021	1900	100	500
					01/19/2021	1400	97	490
					02/02/2021	1500	98	490
						5500	360	1800
					02/09/2021	2000	98	490
					03/02/2021	2100	98	490
					03/09/2021	2000	98	490
					04/06/2021	2500	98	490
					04/13/2021	1800	98	490
					05/04/2021	1400	98	490

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					05/11/2021	1700	98	490
					06/01/2021	1700	98	490
					06/08/2021	1400	98	490
					07/13/2021	1400	98	490
					07/20/2021	1400	98	490
					08/03/2021	1300	98	490
					08/10/2021	2800	98	490
					09/07/2021	1100	99	500
					09/14/2021	2100	98	490
					10/05/2021	1400	98	490
					10/12/2021	1500	99	490
					11/02/2021	1800	98	490
					11/09/2021	1800	99	500
					12/07/2021	1500	98	490
					Annual Mean	1900		
					Annual Max	5500		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	6800	360	1800
					01/19/2021	5200	360	1800
					02/09/2021	7800	380	1900
					03/02/2021	7200	340	1700
					03/09/2021	7000	350	1700
					04/06/2021	8800	350	1700
					04/13/2021	6300	340	1700
					05/04/2021	5600	390	2000
					05/11/2021	6200	360	1800
					06/01/2021	5800	330	1700
					06/08/2021	6600	460	2300
					07/13/2021	5600	390	2000
					07/20/2021	4900	350	1700
					08/03/2021	4700	360	1800
					08/10/2021	10000	350	1800
					09/07/2021	4300	390	2000
					09/14/2021	7800	370	1800
					10/05/2021	5000	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		
	Fluoride	EPA 300.0	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	80	15	21
					07/20/2021	35	8.0	21
					Annual Mean	58		
					Annual Max	80		
		EPA 300.0	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	120	13	18
					07/20/2021	67	7.0	18
					Annual Mean	94		
					Annual Max	120		
	Fluoride wet weight	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/12/2021	19	3.5	5.0
					07/20/2021	8.3	2.0	5.0
					Annual Mean	14		
					Annual Max	19		
		EPA 300.0	mg/kg	Plant 2 Dewatering Cake	01/12/2021	33	3.5	5.0
					07/20/2021	19	2.0	5.0
					Annual Mean	26		
					Annual Max	33		
	Hexavalent Chromium	EPA 7196A	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	50	110
					04/06/2021	ND	52	110
					07/20/2021	ND	21	42
					Annual Mean	<52		
					Annual Max	<52		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 7196A	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	ND	47	90
					04/06/2021	ND	46	88
					07/20/2021	ND	18	35
					Annual Mean	<47		
					Annual Max	<47		
	Hexavalent Chromium wet weight	EPA 7196A	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	12	25
					04/06/2021	ND	12	25
					07/20/2021	ND	5.0	10
					Annual Mean	<12		
					Annual Max	<12		
		EPA 7196A	mg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	13	25
					04/06/2021	ND	13	25
					07/20/2021	ND	5.0	10
					Annual Mean	<13		
					Annual Max	<13		
	Kjeldahl Nitrogen	EPA 351.2	mg/kg	Plant 1 Dewatering Cake	01/12/2021	12000	1000	1400
					01/19/2021	12000	1300	1800
					02/02/2021	12000	850	1100
						52000	3700	4700
					02/09/2021	10000	850	1100
					03/02/2021	12000	1100	1400
					03/09/2021	12000	1400	1800
					04/06/2021	14000	1400	1800
					04/13/2021	14000	1200	1600
					05/04/2021	12000	940	1300
					05/11/2021	13000	1200	1600
					06/01/2021	14000	850	1100
					06/08/2021	11000	850	1100
					07/13/2021	13000	720	1400
					07/20/2021	13000	840	1700
					08/03/2021	13000	700	1400
					08/10/2021	11000	800	1600
					09/07/2021	15000	1100	2100
					09/14/2021	14000	810	1600
					10/05/2021	14000	1200	2400
					10/12/2021	16000	1200	2400
					11/02/2021	14000	780	1600
					11/09/2021	15000	750	1500
					12/07/2021	16000	800	1600
					12/14/2021	13000	1700	4800
					Annual Mean	15000		
					Annual Max	52000		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	50000	4200	5900
					01/19/2021	53000	5800	8000
					02/09/2021	46000	3900	5100
					03/02/2021	52000	4700	6000
					03/09/2021	52000	6000	7700
					04/06/2021	60000	6000	7700
					04/13/2021	58000	5000	6600
					05/04/2021	55000	4300	6000
					05/11/2021	56000	5200	6900
					06/01/2021	59000	3600	4600
					06/08/2021	51000	3900	5100
					07/13/2021	54000	3000	5800
					07/20/2021	55000	3500	7200
					08/03/2021	53000	2900	5700
					08/10/2021	45000	3200	6500
					09/07/2021	59000	4300	8300
					09/14/2021	54000	3100	6200
					10/05/2021	54000	4700	9300
					10/12/2021	64000	4800	9600
					11/02/2021	53000	3000	6100

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					11/09/2021	58000	2900	5800
					12/07/2021	62000	3100	6200
					12/14/2021	52000	6800	19000
					Annual Mean	55000		
					Annual Max	64000		
		EPA 351.2	mg/kg	Plant 2 Dewatering Cake	01/12/2021	12000	940	1300
					01/19/2021	13000	1100	1500
					02/02/2021	12000	940	1300
						44000	3500	4800
					02/09/2021	15000	1000	1400
					03/02/2021	14000	970	1300
					03/09/2021	13000	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	11000	780	1000
					07/13/2021	12000	680	1400
					07/20/2021	12000	950	1900
					08/03/2021	13000	830	1700
					08/10/2021	14000	780	1600
					09/07/2021	13000	1100	2100
					09/14/2021	13000	970	1900
					10/05/2021	13000	810	1600
					10/12/2021	15000	1000	2000
					11/02/2021	13000	900	1800
					11/09/2021	14000	730	1500
					12/07/2021	15000	840	1700
					12/14/2021	9500	1700	4700
					Annual Mean	14000		
					Annual Max	44000		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	43000	3400	4700
					01/19/2021	48000	4100	5500
					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	49000	4900	6600
					05/04/2021	44000	3400	4400
					05/11/2021	51000	4700	6200
					06/01/2021	48000	3200	4400
					06/08/2021	52000	3700	4700
					07/13/2021	48000	2700	5600
					07/20/2021	42000	3400	6700
					08/03/2021	47000	3000	6200
					08/10/2021	51000	2800	5800
					09/07/2021	51000	4300	8200
					09/14/2021	49000	3600	7100
					10/05/2021	47000	2900	5800
					10/12/2021	52000	3500	6900
					11/02/2021	47000	3200	6500
					11/09/2021	48000	2500	5100
					12/07/2021	54000	3000	6100
					12/14/2021	35000	6300	17000
					Annual Mean	48000		
					Annual Max	59000		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Nitrate-N	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	0.80	1.1
					01/19/2021	ND	0.80	1.1
					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 weight	Plant 1 Dewatering Cake	01/12/2021	ND	3.4	4.6
					01/19/2021	ND	3.5	4.9
					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	ND	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

Appendix C: Summary of Biosolids Monitoring Results

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

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Nitrite-N	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1.1	1.5
					01/19/2021	ND	1.1	1.5
					02/02/2021	ND	1.1	1.5
						ND	4.7	6.5
					02/09/2021	ND	1.1	1.5
					03/02/2021	ND	1.1	1.5
					03/09/2021	ND	1.1	1.5
					04/06/2021	ND	1.1	1.5
					04/13/2021	ND	1.1	1.5
					05/04/2021	5.3	1.1	1.5
					05/11/2021	ND	1.1	1.5
					06/01/2021	ND	0.62	1.5
					06/08/2021	0.85 DNQ	0.62	1.5
					07/13/2021	3.9	0.62	1.5
					07/20/2021	ND	0.62	1.5
					08/03/2021	ND	0.62	1.5
					08/10/2021	ND	0.62	1.5
					09/07/2021	ND	0.61	1.5
					09/14/2021	ND	0.62	1.5
					10/05/2021	ND	0.62	1.5
					10/12/2021	0.64 DNQ	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	ND	0.31	0.98
					Annual Mean	1.3 DNQ		
					Annual Max	5.3		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	4.6	6.3
					01/19/2021	ND	4.9	6.6
					02/09/2021	ND	5.1	6.9
					03/02/2021	ND	4.7	6.5
					03/09/2021	ND	4.7	6.4
					04/06/2021	ND	4.7	6.4
					04/13/2021	ND	4.6	6.2
					05/04/2021	24	5.1	6.9
					05/11/2021	ND	4.7	6.5
					06/01/2021	ND	2.6	6.3
					06/08/2021	3.9 DNQ	2.9	6.9
					07/13/2021	16	2.6	6.3
					07/20/2021	ND	2.6	6.3
					08/03/2021	ND	2.5	6.1
					08/10/2021	ND	2.5	6.1
					09/07/2021	ND	2.4	5.9
					09/14/2021	ND	2.4	5.8
					10/05/2021	ND	2.4	5.8
					10/12/2021	2.5 DNQ	2.5	6.0
					11/02/2021	ND	2.4	5.7
					11/09/2021	ND	2.4	5.8
					12/07/2021	ND	2.4	5.8
					12/14/2021	ND	1.2	3.9
					Annual Mean	4.8 DNQ		
					Annual Max	24		
		EPA 300.0	mg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1.1	1.5
					01/19/2021	ND	1.1	1.5
					02/02/2021	ND	1.1	1.5
						ND	4.1	5.5
					02/09/2021	ND	1.1	1.5
					03/02/2021	ND	1.1	1.5
					03/09/2021	ND	1.1	1.5
					04/06/2021	ND	1.1	1.5
					04/13/2021	ND	1.1	1.5
					05/04/2021	ND	1.1	1.5

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					05/11/2021	ND	1.1	1.5
					06/01/2021	ND	0.62	1.5
					06/08/2021	0.65 DNQ	0.62	1.5
					07/13/2021	ND	0.62	1.5
					07/20/2021	ND	0.62	1.5
					08/03/2021	ND	0.62	1.5
					08/10/2021	4.9	0.62	1.5
					09/07/2021	ND	0.62	1.5
					09/14/2021	ND	0.62	1.5
					10/05/2021	ND	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 weight	Plant 2 Dewatering Cake	01/12/2021	ND	4.0	5.4
					01/19/2021	ND	4.1	5.5
					02/09/2021	ND	4.3	5.9
					03/02/2021	ND	3.8	5.2
					03/09/2021	ND	3.9	5.3
					04/06/2021	ND	3.9	5.3
					04/13/2021	ND	3.8	5.2
					05/04/2021	ND	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	ND	2.2	5.3
					08/03/2021	ND	2.3	5.5
					08/10/2021	18	2.2	5.4
					09/07/2021	ND	2.4	5.9
					09/14/2021	ND	2.3	5.6
					10/05/2021	ND	2.2	5.4
					10/12/2021	ND	2.1	5.2
					11/02/2021	ND	2.2	5.4
					11/09/2021	ND	2.1	5.1
					12/07/2021	ND	2.2	5.4
					12/14/2021	1.2 DNQ	1.1	3.7
					Annual Mean	3.6 DNQ		
					Annual Max	18		
	Organic Lead	HML 939-M	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	0.014	0.021
					04/06/2021	ND	0.10	0.17
					07/20/2021	ND	0.076	0.084
					Annual Mean	<0.10		
					Annual Max	<0.10		
		HML 939-M	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	ND	0.012	0.018
					04/06/2021	ND	0.085	0.14
					07/20/2021	ND	0.064	0.071
					Annual Mean	<0.085		
					Annual Max	<0.085		
	Organic Lead wet weight	HML 939-M	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	0.0034	0.0049
					04/06/2021	ND	0.024	0.040
					07/20/2021	ND	0.018	0.020
					Annual Mean	<0.024		
					Annual Max	<0.024		
		HML 939-M	mg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	0.0034	0.0049
					04/06/2021	ND	0.024	0.040
					07/20/2021	ND	0.018	0.020
					Annual Mean	<0.024		
					Annual Max	<0.024		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Organic Nitrogen	CALC	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	42000	--	--
					01/19/2021	46000	--	--
					02/02/2021	44000	--	--
					02/09/2021	35000	--	--
					03/02/2021	44000	--	--
					03/09/2021	43000	--	--
					04/06/2021	47000	--	--
					04/13/2021	48000	--	--
					05/04/2021	48000	--	--
					05/11/2021	48000	--	--
					06/01/2021	50000	--	--
					06/08/2021	43000	--	--
					07/13/2021	47000	--	--
					07/20/2021	48000	--	--
					08/03/2021	47000	--	--
					08/10/2021	26000	--	--
					09/07/2021	53000	--	--
					09/14/2021	45000	--	--
					10/05/2021	47000	--	--
					10/12/2021	57000	--	--
					11/02/2021	45000	--	--
					11/09/2021	50000	--	--
					12/07/2021	55000	--	--
					Annual Mean	46000		
					Annual Max	57000		
		CALC	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	36000	--	--
					01/19/2021	43000	--	--
					02/02/2021	39000	--	--
					02/09/2021	51000	--	--
					03/02/2021	41000	--	--
					03/09/2021	39000	--	--
					04/06/2021	40000	--	--
					04/13/2021	43000	--	--
					05/04/2021	38000	--	--
					05/11/2021	45000	--	--
					06/01/2021	42000	--	--
					06/08/2021	45000	--	--
					07/13/2021	42000	--	--
					07/20/2021	37000	--	--
					08/03/2021	42000	--	--
					08/10/2021	41000	--	--
					09/07/2021	47000	--	--
					09/14/2021	41000	--	--
					10/05/2021	42000	--	--
					10/12/2021	47000	--	--
					11/02/2021	41000	--	--
					11/09/2021	42000	--	--
					12/07/2021	49000	--	--
					Annual Mean	42000		
					Annual Max	51000		
	Organic Nitrogen wet weight	CALC	mg/kg	Plant 1 Dewatering Cake	01/12/2021	10000	--	--
					01/19/2021	10000	--	--
					02/02/2021	10000	--	--
					02/09/2021	7600	--	--
					03/02/2021	10000	--	--
					03/09/2021	9900	--	--
					04/06/2021	11000	--	--
					04/13/2021	12000	--	--
					05/04/2021	11000	--	--
					05/11/2021	11000	--	--
					06/01/2021	12000	--	--
					06/08/2021	9300	--	--

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					07/13/2021	11000	--	--
					07/20/2021	11000	--	--
					08/03/2021	11000	--	--
					08/10/2021	6300	--	--
					09/07/2021	13000	--	--
					09/14/2021	12000	--	--
					10/05/2021	12000	--	--
					10/12/2021	14000	--	--
					11/02/2021	12000	--	--
					11/09/2021	13000	--	--
					12/07/2021	14000	--	--
					Annual Mean	11000		
					Annual Max	14000		
		CALC	mg/kg	Plant 2 Dewatering Cake	01/12/2021	10000	--	--
					01/19/2021	12000	--	--
					02/02/2021	11000	--	--
					02/09/2021	13000	--	--
					03/02/2021	12000	--	--
					03/09/2021	11000	--	--
					04/06/2021	12000	--	--
					04/13/2021	12000	--	--
					05/04/2021	9600	--	--
					05/11/2021	12000	--	--
					06/01/2021	12000	--	--
					06/08/2021	9600	--	--
					07/13/2021	11000	--	--
					07/20/2021	11000	--	--
					08/03/2021	12000	--	--
					08/10/2021	11000	--	--
					09/07/2021	12000	--	--
					09/14/2021	11000	--	--
					10/05/2021	12000	--	--
					10/12/2021	14000	--	--
					11/02/2021	11000	--	--
					11/09/2021	12000	--	--
					12/07/2021	14000	--	--
					Annual Mean	12000		
					Annual Max	14000		
	pH	EPA 9045C	pH units	Plant 1 Dewatering Cake	01/12/2021	8.1	0.10	0.1
					01/19/2021	8.1	0.10	0.1
					02/02/2021	8.2	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	8.0	0.10	0.1
					04/06/2021	8.2	0.10	0.1
					04/13/2021	7.8	0.10	0.1
					05/04/2021	8.1	0.10	0.1
					05/11/2021	8.2	0.10	0.1
					06/01/2021	8.0	0.10	0.1
					06/08/2021	8.1	0.10	0.1
					07/13/2021	8.0	0.10	0.1
					07/20/2021	8.1	0.10	0.1
					08/03/2021	8.3	0.10	0.1
					08/10/2021	8.0	0.10	0.1
					09/07/2021	8.0	0.10	0.1
					09/14/2021	7.7	0.10	0.1
					10/05/2021	8.1	0.10	0.1
					10/12/2021	8.4	0.10	0.1
					11/02/2021	7.8	0.10	0.1
					11/09/2021	7.5	0.10	0.1
					12/07/2021	8.3	0.10	0.1
					12/14/2021	8.4	1.7	1.7

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					Annual Mean	8.1		
					Annual Max	8.4		
		EPA 9045C	pH units	Plant 2 Dewatering Cake	01/12/2021	8.0	0.10	0.1
					01/19/2021	8.1	0.10	0.1
					02/02/2021	8.2	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	8.1	0.10	0.1
					04/06/2021	8.2	0.10	0.1
					04/13/2021	7.8	0.10	0.1
					05/04/2021	8.2	0.10	0.1
					05/11/2021	8.2	0.10	0.1
					06/01/2021	7.9	0.10	0.1
					06/08/2021	8.1	0.10	0.1
					07/13/2021	8.0	0.10	0.1
					07/20/2021	8.2	0.10	0.1
					08/03/2021	8.3	0.10	0.1
					08/10/2021	7.9	0.10	0.1
					09/07/2021	8.0	0.10	0.1
					09/14/2021	7.6	0.10	0.1
					10/05/2021	8.0	0.10	0.1
					10/12/2021	8.5	0.10	0.1
					11/02/2021	7.9	0.10	0.1
					11/09/2021	7.8	0.10	0.1
					12/07/2021	8.4	0.10	0.1
					12/14/2021	8.5	1.7	1.7
					Annual Mean	8.1		
					Annual Max	8.5		
	Temperature	EPA 9045C	°C	Plant 1 Dewatering Cake	01/12/2021	19.0	1.0	1.0
					04/06/2021	20.1	1.0	1.0
					Annual Mean	20		
					Annual Max	20		
		EPA 9045C	°C	Plant 2 Dewatering Cake	01/12/2021	19.0	1.0	1.0
					04/06/2021	20.2	1.0	1.0
					Annual Mean	20		
					Annual Max	20		
	Total Cyanide	EPA 9014	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	1.8	2.0
					04/06/2021	ND	1.8	2.1
					07/20/2021	ND	1.8	2.1
					Annual Mean	<1.8		
					Annual Max	<1.8		
		EPA 9014	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	ND	1.5	1.8
					04/06/2021	3.1	1.5	1.8
					07/20/2021	ND	1.5	1.7
					Annual Mean	2.0 DNQ		
					Annual Max	3.1		
	Total Cyanide wet weight	EPA 9014	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	0.42	0.48
					04/06/2021	ND	0.43	0.50
					07/20/2021	ND	0.43	0.50
					Annual Mean	<0.43		
					Annual Max	<0.43		
		EPA 9014	mg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	0.43	0.50
					04/06/2021	0.87	0.43	0.50
					07/20/2021	ND	0.42	0.48
					Annual Mean	0.57 DNQ		
					Annual Max	0.87		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Total Nitrogen	CALC	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	50000	--	--
					01/19/2021	53000	--	--
					02/02/2021	52000	--	--
					02/09/2021	46000	--	--
					03/02/2021	52000	--	--
					03/09/2021	52000	--	--
					04/06/2021	60000	--	--
					04/13/2021	58000	--	--
					05/04/2021	55000	--	--
					05/11/2021	56000	--	--
					06/01/2021	59000	--	--
					06/08/2021	51000	--	--
					07/13/2021	54000	--	--
					07/20/2021	55000	--	--
					08/03/2021	53000	--	--
					08/10/2021	45000	--	--
					09/07/2021	59000	--	--
					09/14/2021	54000	--	--
					10/05/2021	54000	--	--
					10/12/2021	64000	--	--
					11/02/2021	53000	--	--
					11/09/2021	58000	--	--
					12/07/2021	62000	--	--
					12/14/2021	52000	--	--
					Annual Mean	54000		
					Annual Max	64000		
		CALC	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	43000	--	--
					01/19/2021	48000	--	--
					02/02/2021	44000	--	--
					02/09/2021	59000	--	--
					03/02/2021	48000	--	--
					03/09/2021	46000	--	--
					04/06/2021	49000	--	--
					04/13/2021	49000	--	--
					05/04/2021	44000	--	--
					05/11/2021	51000	--	--
					06/01/2021	48000	--	--
					06/08/2021	52000	--	--
					07/13/2021	48000	--	--
					07/20/2021	42000	--	--
					08/03/2021	47000	--	--
					08/10/2021	51000	--	--
					09/07/2021	51000	--	--
					09/14/2021	49000	--	--
					10/05/2021	47000	--	--
					10/12/2021	52000	--	--
					11/02/2021	47000	--	--
					11/09/2021	48000	--	--
					12/07/2021	54000	--	--
					12/14/2021	35000	--	--
					Annual Mean	48000		
					Annual Max	59000		
	Total Nitrogen wet weight	CALC	mg/kg	Plant 1 Dewatering Cake	01/12/2021	12000	--	--
					01/19/2021	12000	--	--
					02/02/2021	12000	--	--
					02/09/2021	10000	--	--
					03/02/2021	12000	--	--
					03/09/2021	12000	--	--
					04/06/2021	14000	--	--
					04/13/2021	14000	--	--
					05/04/2021	12000	--	--
					05/11/2021	13000	--	--

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	14000	--	--
					06/08/2021	11000	--	--
					07/13/2021	13000	--	--
					07/20/2021	13000	--	--
					08/03/2021	13000	--	--
					08/10/2021	11000	--	--
					09/07/2021	15000	--	--
					09/14/2021	14000	--	--
					10/05/2021	14000	--	--
					10/12/2021	16000	--	--
					11/02/2021	14000	--	--
					11/09/2021	15000	--	--
					12/07/2021	16000	--	--
					12/14/2021	13000	--	--
					Annual Mean	13000		
					Annual Max	16000		
		CALC	mg/kg	Plant 2 Dewatering Cake	01/12/2021	12000	--	--
					01/19/2021	13000	--	--
					02/02/2021	12000	--	--
					02/09/2021	15000	--	--
					03/02/2021	14000	--	--
					03/09/2021	13000	--	--
					04/06/2021	14000	--	--
					04/13/2021	14000	--	--
					05/04/2021	11000	--	--
					05/11/2021	14000	--	--
					06/01/2021	14000	--	--
					06/08/2021	11000	--	--
					07/13/2021	12000	--	--
					07/20/2021	12000	--	--
					08/03/2021	13000	--	--
					08/10/2021	14000	--	--
					09/07/2021	13000	--	--
					09/14/2021	13000	--	--
					10/05/2021	13000	--	--
					10/12/2021	15000	--	--
					11/02/2021	13000	--	--
					11/09/2021	14000	--	--
					12/07/2021	15000	--	--
					12/14/2021	9500	--	--
					Annual Mean	13000		
					Annual Max	15000		
	Total Solids	SM 2540G	%	Plant 1 Dewatering Cake	01/12/2021	23.8	0.050	0.0500
					01/19/2021	22.6	0.050	0.0500
					02/02/2021	23.2	0.050	0.0500
					02/09/2021	21.7	0.050	0.0500
					03/02/2021	23.2	0.050	0.0500
					03/09/2021	23.3	0.050	0.0500
					04/06/2021	23.3	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	23.7	0.050	0.0500
					06/08/2021	21.6	0.050	0.0500
					07/13/2021	24	0.050	0.050
					07/20/2021	23.7	0.050	0.0500
					08/03/2021	24.5	0.050	0.0500
					08/10/2021	24.7	0.050	0.0500
					09/07/2021	25.4	0.050	0.0500
					09/14/2021	25.8	0.050	0.0500
					10/05/2021	25.8	0.050	0.0500
					10/12/2021	25.1	0.050	0.0500

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					11/02/2021	26.3	0.050	0.0500
					11/09/2021	26.0	0.050	0.0500
					12/07/2021	25.9	0.050	0.0500
					12/14/2021	25.0	0.10	0.100
					Annual Mean	24		
					Annual Max	26		
		SM 2540G	%	Plant 2 Dewatering Cake	01/12/2021	27.8	0.050	0.0500
					01/19/2021	27.1	0.050	0.0500
					02/02/2021	27.1	0.050	0.0500
					02/09/2021	25.6	0.050	0.0500
					03/02/2021	29.1	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	29.4	0.050	0.0500
					06/08/2021	21.3	0.050	0.0500
					07/13/2021	25	0.050	0.050
					07/20/2021	28.3	0.050	0.0500
					08/03/2021	27.5	0.050	0.0500
					08/10/2021	27.7	0.050	0.0500
					09/07/2021	25.6	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	29.2	0.050	0.0500
					12/07/2021	28.0	0.050	0.0500
					12/14/2021	27.1	0.10	0.100
					Annual Mean	27		
					Annual Max	29		
Trace Elements	Antimony	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	3.1	0.97	2.1
					04/06/2021	ND	0.99	2.1
					07/20/2021	ND	0.97	2.1
					Annual Mean	1.7 DNQ		
					Annual Max	3.1		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	2.4	0.83	1.8
					04/06/2021	ND	0.85	1.8
					07/20/2021	ND	0.81	1.7
					Annual Mean	1.4 DNQ		
					Annual Max	2.4		
	Antimony wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.73	0.23	0.49
					04/06/2021	ND	0.23	0.49
					07/20/2021	ND	0.23	0.50
					Annual Mean	0.40 DNQ		
					Annual Max	0.73		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.67	0.23	0.49
					04/06/2021	ND	0.24	0.50
					07/20/2021	ND	0.23	0.49
					Annual Mean	0.38 DNQ		
					Annual Max	0.67		
	Arsenic	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	11	1.1	11
					01/19/2021	16	1.1	11
					02/02/2021	14	1.1	10
					02/09/2021	11 DNQ	1.2	12
					03/02/2021	10	1.1	10
					03/09/2021	12	1.1	10
					04/06/2021	10 DNQ	1.1	11
					04/13/2021	11	1.0	10
					05/04/2021	12	1.2	12
					05/11/2021	12	1.1	11

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	12	1.1	11
					06/08/2021	13	1.2	12
					07/13/2021	8.3 DNQ	1.0	10
					07/20/2021	9.3 DNQ	1.1	11
					08/03/2021	9.0 DNQ	1.1	10
					08/10/2021	8.5 DNQ	1.0	10
					09/07/2021	7.1 DNQ	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	8.1 DNQ	0.92	8.8
					12/07/2021	8.9 DNQ	0.97	9.7
					12/14/2021	8.0 DNQ	1.0	10
					Annual Mean	10 DNQ		
					Annual Max	16		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	16	0.96	9.2
					Annual Mean	16		
					Annual Max	16		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	16	0.90	9.0
					01/19/2021	19	0.92	9.2
					02/09/2021	16	1.0	9.8
					03/02/2021	15	0.86	8.6
					03/09/2021	16	0.88	8.5
					04/06/2021	15	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	20	1.2	11
					07/13/2021	12	1.0	10
					07/20/2021	12	0.88	8.8
					08/03/2021	11	0.91	9.1
					08/10/2021	9.4	0.90	9.0
					09/07/2021	9.8	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	12	0.93	9.0
					11/09/2021	12	0.82	8.2
					12/07/2021	12	0.89	8.9
					12/14/2021	10	0.92	9.2
					Annual Mean	14		
					Annual Max	20		
	Arsenic wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	2.5	0.25	2.5
					01/19/2021	3.6	0.25	2.4
					02/02/2021	3.2	0.25	2.4
					02/09/2021	2.3 DNQ	0.25	2.5
					03/02/2021	2.4	0.25	2.4
					03/09/2021	2.8	0.25	2.4
					04/06/2021	2.4 DNQ	0.25	2.5
					04/13/2021	2.6	0.25	2.5
					05/04/2021	2.5	0.25	2.5
					05/11/2021	2.7	0.25	2.5
					06/01/2021	2.8	0.25	2.5
					06/08/2021	2.7	0.25	2.5
					07/13/2021	2.0 DNQ	0.25	2.5
					07/20/2021	2.2 DNQ	0.25	2.5
					08/03/2021	2.2 DNQ	0.26	2.5
					08/10/2021	2.1 DNQ	0.25	2.5
					09/07/2021	1.8 DNQ	0.25	2.5
					09/14/2021	2.8	0.25	2.5

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					10/05/2021	2.4 DNQ	0.25	2.5
					10/12/2021	2.0 DNQ	0.25	2.5
					11/02/2021	2.2 DNQ	0.26	2.5
					11/09/2021	2.1 DNQ	0.24	2.3
					12/07/2021	2.3 DNQ	0.25	2.5
					12/14/2021	2.0 DNQ	0.25	2.5
					Annual Mean	2.4 DNQ		
					Annual Max	3.6		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	4.5	0.25	2.5
					01/19/2021	5.2	0.25	2.5
					02/02/2021	4.3	0.26	2.5
					02/09/2021	4.1	0.26	2.5
					03/02/2021	4.3	0.25	2.5
					03/09/2021	4.6	0.25	2.4
					04/06/2021	4.2	0.26	2.5
					04/13/2021	4.3	0.25	2.4
					05/04/2021	3.9	0.25	2.5
					05/11/2021	4.5	0.25	2.5
					06/01/2021	3.9	0.25	2.5
					06/08/2021	4.2	0.25	2.4
					07/13/2021	2.9	0.25	2.5
					07/20/2021	3.5	0.25	2.5
					08/03/2021	3.1	0.25	2.5
					08/10/2021	2.6	0.25	2.5
					09/07/2021	2.5	0.25	2.5
					09/14/2021	3.9	0.25	2.5
					10/05/2021	3.4	0.25	2.5
					10/12/2021	3.1	0.25	2.5
					11/02/2021	3.4	0.26	2.5
					11/09/2021	3.5	0.24	2.4
					12/07/2021	3.4	0.25	2.5
					12/14/2021	2.8	0.25	2.5
					Annual Mean	3.8		
					Annual Max	5.2		
	Barium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	710	0.20	21
					04/06/2021	690	0.20	21
					07/20/2021	630	0.22	21
					Annual Mean	680		
					Annual Max	710		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	1400	0.18	18
					04/06/2021	1500	0.18	18
					07/20/2021	1200	0.18	17
					Annual Mean	1400		
					Annual Max	1500		
	Barium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	170	0.050	4.9
					04/06/2021	160	0.050	4.9
					07/20/2021	150	0.051	5.0
					Annual Mean	160		
					Annual Max	170		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	380	0.051	4.9
					04/06/2021	420	0.051	5.0
					07/20/2021	340	0.051	4.9
					Annual Mean	380		
					Annual Max	420		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Beryllium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	0.059 DNQ	0.024	0.21
					04/06/2021	0.12 DNQ	0.025	0.21
					07/20/2021	0.068 DNQ	0.024	0.21
					Annual Mean	0.082 DNQ		
					Annual Max	0.12 DNQ		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	0.094 DNQ	0.021	0.18
					04/06/2021	0.12 DNQ	0.021	0.18
					07/20/2021	0.085 DNQ	0.020	0.17
					Annual Mean	0.10 DNQ		
					Annual Max	0.12 DNQ		
	Beryllium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.014 DNQ	0.0058	0.049
					04/06/2021	0.027 DNQ	0.0058	0.049
					07/20/2021	0.016 DNQ	0.0058	0.050
					Annual Mean	0.019 DNQ		
					Annual Max	0.027 DNQ		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.026 DNQ	0.0058	0.049
					04/06/2021	0.033 DNQ	0.0059	0.050
					07/20/2021	0.024 DNQ	0.0058	0.049
					Annual Mean	0.028 DNQ		
					Annual Max	0.033 DNQ		
	Cadmium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	1.1	0.18	0.41
					01/19/2021	1.2	0.18	0.43
					02/02/2021	1.9	0.18	0.42
					02/09/2021	1.2	0.19	0.45
					03/02/2021	2.2	0.18	0.42
					03/09/2021	1.0	0.18	0.42
					04/06/2021	0.94	0.18	0.42
					04/13/2021	0.91	0.17	0.41
					05/04/2021	1.1	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	0.65	0.17	0.40
					09/07/2021	0.75	0.17	0.39
					09/14/2021	1.2	0.16	0.38
					10/05/2021	0.81	0.16	0.39
					10/12/2021	0.76	0.17	0.39
					11/02/2021	0.95	0.16	0.38
					11/09/2021	1.1	0.15	0.36
					12/07/2021	0.97	0.16	0.38
					12/14/2021	0.88	0.17	0.40
					Annual Mean	1.0		
					Annual Max	2.2		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	1.8	0.15	0.37
					Annual Mean	1.8		
					Annual Max	1.8		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	2.2	0.15	0.36
					01/19/2021	2.2	0.15	0.36
					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	1.6	0.15	0.35
					04/13/2021	1.6	0.14	0.34
					05/04/2021	1.9	0.17	0.40
					05/11/2021	1.7	0.15	0.36
					06/01/2021	1.5	0.14	0.34
					06/08/2021	1.9	0.19	0.46
					07/13/2021	1.4	0.17	0.40
					07/20/2021	1.2	0.15	0.35

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					08/03/2021	1.2	0.15	0.36
					08/10/2021	1.0	0.15	0.36
					09/07/2021	1.5	0.16	0.39
					09/14/2021	1.3	0.16	0.37
					10/05/2021	1.3	0.15	0.36
					10/12/2021	1.1	0.15	0.35
					11/02/2021	1.2	0.15	0.36
					11/09/2021	1.2	0.14	0.33
					12/07/2021	1.3	0.15	0.35
					12/14/2021	1.5	0.15	0.37
					Annual Mean	1.5		
					Annual Max	2.2		
	Cadmium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.25	0.042	0.098
					01/19/2021	0.28	0.041	0.097
					02/02/2021	0.44	0.041	0.098
					02/09/2021	0.25	0.042	0.098
					03/02/2021	0.52	0.041	0.097
					03/09/2021	0.24	0.041	0.098
					04/06/2021	0.22	0.042	0.098
					04/13/2021	0.22	0.042	0.098
					05/04/2021	0.23	0.042	0.099
					05/11/2021	0.17	0.042	0.099
					06/01/2021	0.29	0.042	0.10
					06/08/2021	0.19	0.042	0.10
					07/13/2021	0.20	0.042	0.099
					07/20/2021	0.26	0.042	0.099
					08/03/2021	0.15	0.042	0.10
					08/10/2021	0.16	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	0.28	0.040	0.093
					12/07/2021	0.25	0.042	0.099
					12/14/2021	0.22	0.042	0.099
					Annual Mean	0.25		
					Annual Max	0.52		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.60	0.042	0.099
					01/19/2021	0.59	0.042	0.098
					02/02/2021	0.48	0.042	0.10
					02/09/2021	0.49	0.042	0.10
					03/02/2021	0.51	0.042	0.099
					03/09/2021	0.48	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	0.48	0.042	0.099
					06/01/2021	0.44	0.042	0.099
					06/08/2021	0.41	0.041	0.097
					07/13/2021	0.34	0.042	0.099
					07/20/2021	0.33	0.042	0.099
					08/03/2021	0.33	0.042	0.10
					08/10/2021	0.28	0.042	0.099
					09/07/2021	0.38	0.042	0.099
					09/14/2021	0.35	0.042	0.099
					10/05/2021	0.36	0.042	0.099
					10/12/2021	0.31	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	0.40	0.042	0.099

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					Annual Mean	0.42		
					Annual Max	0.60		
	Chromium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	46	0.67	1.1
					01/19/2021	49	0.71	1.1
					02/02/2021	52	0.69	1.0
					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	51	0.74	1.2
					07/13/2021	38	0.67	1.0
					07/20/2021	46	0.68	1.1
					08/03/2021	49	0.65	1.0
					08/10/2021	49	0.65	1.0
					09/07/2021	43	0.63	0.98
					09/14/2021	43	0.62	0.97
					10/05/2021	43	0.62	0.97
					10/12/2021	44	0.64	1.00
					11/02/2021	42	0.61	0.95
					11/09/2021	50	0.58	0.88
					12/07/2021	42	0.62	0.97
					12/14/2021	40	0.64	1.0
					Annual Mean	46		
					Annual Max	66		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	47	0.58	0.90
					01/19/2021	48	0.59	0.92
					02/02/2021	48	0.59	0.92
					02/09/2021	36	0.63	0.98
					03/02/2021	41	0.55	0.86
					03/09/2021	42	0.56	0.85
					04/06/2021	64	0.57	0.88
					04/13/2021	63	0.56	0.84
					05/04/2021	52	0.64	1.0
					05/11/2021	51	0.58	0.91
					06/01/2021	41	0.54	0.85
					06/08/2021	56	0.75	1.1
					07/13/2021	44	0.64	1.0
					07/20/2021	42	0.57	0.88
					08/03/2021	40	0.58	0.91
					08/10/2021	43	0.58	0.90
					09/07/2021	51	0.63	0.98
					09/14/2021	49	0.60	0.93
					10/05/2021	47	0.58	0.90
					10/12/2021	42	0.55	0.87
					11/02/2021	47	0.57	0.90
					11/09/2021	45	0.51	0.82
					12/07/2021	46	0.57	0.89
					12/14/2021	44	0.59	0.92
					Annual Mean	47		
					Annual Max	64		
	Chromium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	11	0.16	0.25
					01/19/2021	11	0.16	0.24
					02/02/2021	12	0.16	0.24
					02/09/2021	7.5	0.16	0.25
					03/02/2021	11	0.16	0.24

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					03/09/2021	11	0.16	0.24
					04/06/2021	9.9	0.16	0.25
					04/13/2021	16	0.16	0.25
					05/04/2021	11	0.16	0.25
					05/11/2021	11	0.16	0.25
					06/01/2021	10	0.16	0.25
					06/08/2021	11	0.16	0.25
					07/13/2021	9.1	0.16	0.25
					07/20/2021	11	0.16	0.25
					08/03/2021	12	0.16	0.25
					08/10/2021	12	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	11	0.16	0.25
					11/02/2021	11	0.16	0.25
					11/09/2021	13	0.15	0.23
					12/07/2021	11	0.16	0.25
					12/14/2021	10	0.16	0.25
					Annual Mean	11		
					Annual Max	16		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	13	0.16	0.25
					01/19/2021	13	0.16	0.25
					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	18	0.16	0.25
					04/13/2021	18	0.16	0.24
					05/04/2021	13	0.16	0.25
					05/11/2021	14	0.16	0.25
					06/01/2021	12	0.16	0.25
					06/08/2021	12	0.16	0.24
					07/13/2021	11	0.16	0.25
					07/20/2021	12	0.16	0.25
					08/03/2021	11	0.16	0.25
					08/10/2021	12	0.16	0.25
					09/07/2021	13	0.16	0.25
					09/14/2021	13	0.16	0.25
					10/05/2021	13	0.16	0.25
					10/12/2021	12	0.16	0.25
					11/02/2021	13	0.16	0.25
					11/09/2021	13	0.15	0.24
					12/07/2021	13	0.16	0.25
					12/14/2021	12	0.16	0.25
					Annual Mean	13		
					Annual Max	18		
	Cobalt	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	1.9	0.088	1.1
					04/06/2021	2.8	0.090	1.1
					07/20/2021	3.2	0.089	1.1
					Annual Mean	2.6		
					Annual Max	3.2		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	1.9	0.076	0.90
					04/06/2021	2.9	0.074	0.88
					07/20/2021	2.7	0.074	0.88
					Annual Mean	2.5		
					Annual Max	2.9		
	Cobalt wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.46	0.021	0.25
					04/06/2021	0.65	0.021	0.25
					07/20/2021	0.76	0.021	0.25
					Annual Mean	0.62		
					Annual Max	0.76		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.54	0.021	0.25
					04/06/2021	0.83	0.021	0.25
					07/20/2021	0.77	0.021	0.25
					Annual Mean	0.71		
					Annual Max	0.83		
	Copper	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	02/02/2021	520	2.4	5.2
					Annual Mean	520		
					Annual Max	520		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	500	0.46	1.1
					01/19/2021	530	0.49	1.1
					02/09/2021	550	0.51	1.2
					03/02/2021	470	0.47	1.0
					03/09/2021	520	0.47	1.0
					04/06/2021	470	0.47	1.1
					04/13/2021	540	0.46	1.0
					05/04/2021	510	0.51	1.2
					05/11/2021	470	0.47	1.1
					06/01/2021	510	0.51	1.1
					06/08/2021	560	0.56	1.2
					07/13/2021	540	0.46	1.0
					07/20/2021	510	0.46	1.1
					08/03/2021	530	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	540	0.47	0.97
					10/12/2021	560	0.44	1.00
					11/02/2021	490	0.46	0.95
					11/09/2021	500	0.42	0.88
					12/07/2021	460	0.42	0.97
					12/14/2021	440	0.44	1.0
					Annual Mean	520		
					Annual Max	570		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	410	0.44	0.92
					Annual Mean	410		
					Annual Max	410		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	430	0.40	0.90
					01/19/2021	440	0.41	0.92
					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	450	0.38	0.84
					05/04/2021	440	0.44	1.0
					05/11/2021	430	0.40	0.91
					06/01/2021	410	0.37	0.85
					06/08/2021	520	0.52	1.1
					07/13/2021	440	0.44	1.0
					07/20/2021	350	0.39	0.88
					08/03/2021	360	0.44	0.91
					08/10/2021	430	0.40	0.90
					09/07/2021	470	0.43	0.98
					09/14/2021	410	0.41	0.93
					10/05/2021	400	0.40	0.90
					10/12/2021	380	0.42	0.87
					11/02/2021	360	0.43	0.90
					11/09/2021	340	0.38	0.82
					12/07/2021	350	0.39	0.89
					12/14/2021	370	0.41	0.92
					Annual Mean	410		
					Annual Max	520		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Copper wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	120	0.11	0.25
					01/19/2021	120	0.11	0.24
					02/02/2021	120	0.56	1.2
					02/09/2021	120	0.11	0.25
					03/02/2021	110	0.11	0.24
					03/09/2021	120	0.11	0.24
					04/06/2021	110	0.11	0.25
					04/13/2021	130	0.11	0.25
					05/04/2021	110	0.11	0.25
					05/11/2021	110	0.11	0.25
					06/01/2021	120	0.12	0.25
					06/08/2021	120	0.12	0.25
					07/13/2021	130	0.11	0.25
					07/20/2021	120	0.11	0.25
					08/03/2021	130	0.12	0.25
					08/10/2021	140	0.11	0.25
					09/07/2021	140	0.11	0.25
					09/14/2021	140	0.11	0.25
					10/05/2021	140	0.12	0.25
					10/12/2021	140	0.11	0.25
					11/02/2021	130	0.12	0.25
					11/09/2021	130	0.11	0.23
					12/07/2021	120	0.11	0.25
					12/14/2021	110	0.11	0.25
					Annual Mean	120		
					Annual Max	140		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	120	0.11	0.25
					01/19/2021	120	0.11	0.25
					02/02/2021	110	0.12	0.25
					02/09/2021	120	0.12	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
					04/13/2021	130	0.11	0.24
					05/04/2021	110	0.11	0.25
					05/11/2021	120	0.11	0.25
					06/01/2021	120	0.11	0.25
					06/08/2021	110	0.11	0.24
					07/13/2021	110	0.11	0.25
					07/20/2021	100	0.11	0.25
					08/03/2021	100	0.12	0.25
					08/10/2021	120	0.11	0.25
					09/07/2021	120	0.11	0.25
					09/14/2021	110	0.11	0.25
					10/05/2021	110	0.11	0.25
					10/12/2021	110	0.12	0.25
					11/02/2021	100	0.12	0.25
					11/09/2021	99	0.11	0.24
					12/07/2021	97	0.11	0.25
					12/14/2021	99	0.11	0.25
					Annual Mean	110		
					Annual Max	130		
	Iron	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	63000	5.0	80
					01/19/2021	62000	5.3	84
					02/02/2021	60000	5.2	86
					02/09/2021	55000	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	62000	5.0	80
					05/04/2021	69000	5.5	90
					05/11/2021	69000	5.2	90

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	63000	5.1	80
					06/08/2021	74000	5.6	93
					07/20/2021	68000	5.1	84
					Annual Mean	64000		
					Annual Max	74000		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	66000	4.4	70
					Annual Mean	66000		
					Annual Max	66000		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	79000	4.3	70
					01/19/2021	77000	4.4	70
					02/09/2021	63000	4.7	80
					03/02/2021	70000	4.1	70
					03/09/2021	70000	4.2	70
					04/06/2021	78000	4.2	70
					04/13/2021	73000	4.2	66
					05/04/2021	80000	4.8	80
					05/11/2021	83000	4.3	70
					06/01/2021	70000	4.1	70
					06/08/2021	99000	5.6	89
					07/20/2021	67000	4.2	71
					Annual Mean	76000		
					Annual Max	99000		
	Iron wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	15000	1.2	20
					01/19/2021	14000	1.2	19
					02/02/2021	14000	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	14000	1.2	20
					04/13/2021	15000	1.2	20
					05/04/2021	15000	1.2	20
					05/11/2021	16000	1.2	20
					06/01/2021	15000	1.2	20
					06/08/2021	16000	1.2	20
					07/20/2021	16000	1.2	20
					Annual Mean	15000		
					Annual Max	16000		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	22000	1.2	20
					01/19/2021	21000	1.2	20
					02/02/2021	18000	1.2	20
					02/09/2021	16000	1.2	20
					03/02/2021	20000	1.2	20
					03/09/2021	20000	1.2	20
					04/06/2021	22000	1.2	20
					04/13/2021	21000	1.2	19
					05/04/2021	20000	1.2	20
					05/11/2021	23000	1.2	20
					06/01/2021	20000	1.2	20
					06/08/2021	21000	1.2	19
					07/20/2021	19000	1.2	20
					Annual Mean	20000		
					Annual Max	23000		
	Lead	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	5.0	0.59	2.1
					01/19/2021	4.3	0.62	2.2
					02/02/2021	3.1	0.60	2.1
					02/09/2021	3.6	0.65	2.3
					03/02/2021	5.6	0.60	2.1
					03/09/2021	5.2	0.60	2.1
					04/06/2021	5.2	0.60	2.1
					04/13/2021	12	0.58	2.0
					05/04/2021	6.9	0.65	2.3
					05/11/2021	6.0	0.60	2.2

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	4.2	0.59	2.1
					06/08/2021	6.5	0.65	2.3
					07/13/2021	4.6	0.58	2.0
					07/20/2021	6.3	0.59	2.1
					08/03/2021	7.8	0.57	2.0
					08/10/2021	6.5	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	8.4	0.56	2.0
					11/02/2021	7.6	0.53	1.9
					11/09/2021	6.5	0.50	1.8
					12/07/2021	5.0	0.54	1.9
					12/14/2021	5.2	0.56	2.0
					Annual Mean	6.0		
					Annual Max	12		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	3.4	0.52	1.8
					Annual Mean	3.4		
					Annual Max	3.4		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	6.5	0.50	1.8
					01/19/2021	4.4	0.52	1.8
					02/09/2021	2.0	0.55	2.0
					03/02/2021	5.2	0.48	1.7
					03/09/2021	3.5	0.49	1.7
					04/06/2021	7.1	0.49	1.8
					04/13/2021	7.7	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	7.5	0.66	2.3
					07/13/2021	5.6	0.56	2.0
					07/20/2021	5.7	0.49	1.7
					08/03/2021	3.6	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	4.0	0.50	1.8
					10/12/2021	5.2	0.48	1.7
					11/02/2021	5.0	0.50	1.8
					11/09/2021	3.8	0.48	1.6
					12/07/2021	5.0	0.50	1.8
					12/14/2021	3.5	0.52	1.8
					Annual Mean	5.2		
					Annual Max	9.0		
	Lead wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	1.2	0.14	0.49
					01/19/2021	0.97	0.14	0.49
					02/02/2021	0.73	0.14	0.49
					02/09/2021	0.78	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	1.2	0.14	0.49
					04/13/2021	3.0	0.14	0.49
					05/04/2021	1.5	0.14	0.49
					05/11/2021	1.4	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	1.1	0.14	0.49
					07/20/2021	1.5	0.14	0.50
					08/03/2021	1.9	0.14	0.50
					08/10/2021	1.6	0.14	0.49
					09/07/2021	2.2	0.14	0.50
					09/14/2021	0.76	0.14	0.50

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					10/05/2021	2.0	0.14	0.50
					10/12/2021	2.1	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 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	1.8	0.14	0.49
					01/19/2021	1.2	0.14	0.49
					02/02/2021	0.91	0.14	0.50
					02/09/2021	0.52	0.14	0.50
					03/02/2021	1.5	0.14	0.49
					03/09/2021	1.0	0.14	0.49
					04/06/2021	2.0	0.14	0.50
					04/13/2021	2.2	0.14	0.49
					05/04/2021	1.1	0.14	0.49
					05/11/2021	2.2	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	1.6	0.14	0.49
					08/03/2021	1.0	0.14	0.50
					08/10/2021	1.6	0.14	0.50
					09/07/2021	2.3	0.14	0.49
					09/14/2021	0.99	0.14	0.50
					10/05/2021	1.1	0.14	0.49
					10/12/2021	1.5	0.14	0.50
					11/02/2021	1.4	0.14	0.50
					11/09/2021	1.1	0.14	0.48
					12/07/2021	1.4	0.14	0.49
					12/14/2021	0.95	0.14	0.49
					Annual Mean	1.4		
					Annual Max	2.3		
	Magnesium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	5500	9.2	41
					01/19/2021	5800	9.3	43
					02/02/2021	7300	9.5	42
					02/09/2021	5100	10	45
					03/02/2021	5200	9.1	42
					03/09/2021	6000	9.4	42
					04/06/2021	5600	9.4	42
					04/13/2021	5400	9.1	41
					05/04/2021	6000	10	46
					05/11/2021	5600	9.5	43
					06/01/2021	5100	9.3	40
					06/08/2021	6500	10	50
					Annual Mean	5800		
					Annual Max	7300		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	6500	7.9	36
					01/19/2021	6600	8.1	36
					02/02/2021	6600	8.1	40
					02/09/2021	5100	8.6	40
					03/02/2021	5500	7.6	34
					03/09/2021	6000	7.7	35
					04/06/2021	6400	7.8	40
					04/13/2021	6300	7.3	34
					05/04/2021	6400	8.8	40
					05/11/2021	6500	8.0	36
					06/01/2021	5400	7.5	34
					06/08/2021	8000	9.9	46
					Annual Mean	6300		
					Annual Max	8000		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Magnesium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	1300	2.2	9.8
					01/19/2021	1300	2.1	9.7
					02/02/2021	1700	2.2	9.8
					02/09/2021	1100	2.2	9.8
					03/02/2021	1200	2.1	9.7
					03/09/2021	1400	2.2	9.8
					04/06/2021	1300	2.2	9.8
					04/13/2021	1300	2.2	9.8
					05/04/2021	1300	2.2	9.9
					05/11/2021	1300	2.2	9.9
					06/01/2021	1200	2.2	10
					06/08/2021	1400	2.2	10
					Annual Mean	1300		
					Annual Max	1700		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	1800	2.2	9.9
					01/19/2021	1800	2.2	9.8
					02/02/2021	1800	2.2	10
					02/09/2021	1300	2.2	10
					03/02/2021	1600	2.2	9.9
					03/09/2021	1700	2.2	9.8
					04/06/2021	1800	2.2	10
					04/13/2021	1800	2.1	9.7
					05/04/2021	1600	2.2	9.9
					05/11/2021	1800	2.2	9.9
					06/01/2021	1600	2.2	9.9
					06/08/2021	1700	2.1	9.7
					Annual Mean	1700		
					Annual Max	1800		
	Mercury	EPA 7471A	mg/kg	Plant 1 Dewatering Cake	02/02/2021	0.78	0.052	0.086
					Annual Mean	0.78		
					Annual Max	0.78		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	0.63	0.050	0.084
					01/19/2021	0.75	0.053	0.088
					02/09/2021	0.74	0.055	0.092
					03/02/2021	0.65	0.052	0.086
					03/09/2021	0.56	0.052	0.086
					04/06/2021	0.60	0.042	0.086
					04/13/2021	1.0	0.040	0.083
					05/04/2021	0.69	0.050	0.092
					05/11/2021	0.73	0.042	0.086
					06/01/2021	0.55	0.040	0.084
					06/08/2021	0.56	0.045	0.093
					07/13/2021	0.75	0.041	0.083
					07/20/2021	0.46	0.040	0.084
					08/03/2021	0.73	0.040	0.082
					08/10/2021	0.57	0.040	0.081
					09/07/2021	0.63	0.040	0.079
					09/14/2021	0.78	0.040	0.078
					10/05/2021	0.50	0.038	0.078
					10/12/2021	0.40	0.040	0.080
					11/02/2021	0.61	0.040	0.076
					11/09/2021	0.54	0.040	0.077
					12/07/2021	0.46	0.038	0.077
					12/14/2021	0.76	0.36	0.36
					Annual Mean	0.64		
					Annual Max	1.0		
		EPA 7471A	mg/kg	Plant 2 Dewatering Cake	02/02/2021	0.48	0.044	0.074
					Annual Mean	0.48		
					Annual Max	0.48		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	0.54	0.043	0.072
					01/19/2021	0.41	0.044	0.074
					02/09/2021	0.47	0.047	0.078

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					03/02/2021	0.55	0.041	0.069
					03/09/2021	0.35	0.042	0.070
					04/06/2021	1.2	0.040	0.071
					04/13/2021	0.52	0.030	0.070
					05/04/2021	0.72	0.040	0.080
					05/11/2021	0.54	0.036	0.072
					06/01/2021	0.41	0.033	0.068
					06/08/2021	0.61	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	0.52	0.037	0.075
					10/05/2021	0.40	0.040	0.072
					10/12/2021	0.35	0.034	0.069
					11/02/2021	0.33	0.040	0.072
					11/09/2021	0.38	0.030	0.068
					12/07/2021	0.71	0.035	0.071
					Annual Mean	0.52		
					Annual Max	1.2		
	Mercury wet weight	EPA 7471A	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.15	0.012	0.020
					01/19/2021	0.17	0.012	0.020
					02/02/2021	0.18	0.012	0.020
					02/09/2021	0.16	0.012	0.020
					03/02/2021	0.15	0.012	0.020
					03/09/2021	0.13	0.012	0.020
					04/06/2021	0.14	0.0098	0.020
					04/13/2021	0.25	0.010	0.020
					05/04/2021	0.15	0.010	0.020
					05/11/2021	0.17	0.0098	0.020
					06/01/2021	0.13	0.010	0.020
					06/08/2021	0.12	0.0098	0.020
					07/13/2021	0.18	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	0.20	0.010	0.020
					10/05/2021	0.13	0.0098	0.020
					10/12/2021	0.10	0.010	0.020
					11/02/2021	0.16	0.010	0.020
					11/09/2021	0.14	0.010	0.020
					12/07/2021	0.12	0.0098	0.020
					12/14/2021	0.19	0.091	0.091
					Annual Mean	0.15		
					Annual Max	0.25		
		EPA 7471A	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.15	0.012	0.020
					01/19/2021	0.11	0.012	0.020
					02/02/2021	0.13	0.012	0.020
					02/09/2021	0.12	0.012	0.020
					03/02/2021	0.16	0.012	0.020
					03/09/2021	0.099	0.012	0.020
					04/06/2021	0.34	0.010	0.020
					04/13/2021	0.15	0.010	0.020
					05/04/2021	0.18	0.010	0.020
					05/11/2021	0.15	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	0.12	0.0098	0.020
					07/20/2021	0.12	0.0098	0.020
					08/03/2021	0.12	0.010	0.020

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					08/10/2021	0.16	0.010	0.020
					09/07/2021	0.14	0.010	0.020
					09/14/2021	0.14	0.0098	0.020
					10/05/2021	0.11	0.010	0.020
					10/12/2021	0.10	0.0098	0.020
					11/02/2021	0.093	0.010	0.020
					11/09/2021	0.11	0.010	0.020
					12/07/2021	0.20	0.0098	0.020
					Annual Mean	0.14		
					Annual Max	0.34		
	Molybdenum	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	16	0.21	2.1
					01/19/2021	18	0.22	2.2
					02/02/2021	18	0.21	2.1
					02/09/2021	13	0.23	2.3
					03/02/2021	15	0.21	2.1
					03/09/2021	15	0.21	2.1
					04/06/2021	17	0.21	2.1
					04/13/2021	18	0.20	2.0
					05/04/2021	19	0.23	2.3
					05/11/2021	18	0.20	2.2
					06/01/2021	18	0.20	2.1
					06/08/2021	18	0.23	2.3
					07/13/2021	17	0.20	2.0
					07/20/2021	17	0.21	2.1
					08/03/2021	19	0.20	2.0
					08/10/2021	21	0.20	2.0
					09/07/2021	18	0.20	2.0
					09/14/2021	19	0.19	1.9
					10/05/2021	17	0.19	1.9
					10/12/2021	16	0.20	2.0
					11/02/2021	14	0.19	1.9
					11/09/2021	19	0.18	1.8
					12/07/2021	14	0.19	1.9
					12/14/2021	12	0.20	2.0
					Annual Mean	17		
					Annual Max	21		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	18	0.18	1.8
					01/19/2021	20	0.18	1.8
					02/02/2021	17	0.20	1.8
					02/09/2021	17	0.20	2.0
					03/02/2021	16	0.17	1.7
					03/09/2021	17	0.17	1.7
					04/06/2021	20	0.20	1.8
					04/13/2021	21	0.17	1.7
					05/04/2021	22	0.20	2.0
					05/11/2021	22	0.18	1.8
					06/01/2021	19	0.20	1.7
					06/08/2021	26	0.23	2.3
					07/13/2021	20	0.20	2.0
					07/20/2021	17	0.17	1.7
					08/03/2021	18	0.18	1.8
					08/10/2021	20	0.18	1.8
					09/07/2021	19	0.19	1.9
					09/14/2021	21	0.19	1.9
					10/05/2021	17	0.18	1.8
					10/12/2021	16	0.17	1.7
					11/02/2021	17	0.18	1.8
					11/09/2021	18	0.16	1.6
					12/07/2021	16	0.18	1.8
					12/14/2021	15	0.18	1.8
					Annual Mean	19		
					Annual Max	26		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Molybdenum wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	3.7	0.049	0.49
					01/19/2021	4.0	0.049	0.49
					02/02/2021	4.2	0.049	0.49
					02/09/2021	2.9	0.049	0.49
					03/02/2021	3.5	0.049	0.49
					03/09/2021	3.6	0.049	0.49
					04/06/2021	4.0	0.049	0.49
					04/13/2021	4.3	0.049	0.49
					05/04/2021	4.2	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	4.0	0.050	0.50
					08/03/2021	4.6	0.050	0.50
					08/10/2021	5.1	0.049	0.49
					09/07/2021	4.5	0.050	0.50
					09/14/2021	5.0	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	5.0	0.047	0.47
					12/07/2021	3.6	0.050	0.50
					12/14/2021	2.9	0.049	0.49
					Annual Mean	4.1		
					Annual Max	5.1		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	4.9	0.049	0.49
					01/19/2021	5.3	0.049	0.49
					02/02/2021	4.5	0.050	0.50
					02/09/2021	4.4	0.050	0.50
					03/02/2021	4.8	0.049	0.49
					03/09/2021	4.8	0.049	0.49
					04/06/2021	5.8	0.050	0.50
					04/13/2021	5.9	0.049	0.49
					05/04/2021	5.5	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	5.0	0.049	0.49
					07/20/2021	4.8	0.049	0.49
					08/03/2021	5.0	0.050	0.50
					08/10/2021	5.5	0.049	0.50
					09/07/2021	4.9	0.049	0.49
					09/14/2021	5.7	0.050	0.50
					10/05/2021	4.8	0.049	0.49
					10/12/2021	4.7	0.050	0.50
					11/02/2021	4.8	0.050	0.50
					11/09/2021	5.2	0.048	0.48
					12/07/2021	4.4	0.049	0.49
					12/14/2021	4.0	0.049	0.49
					Annual Mean	5.1		
					Annual Max	6.1		
	Nickel	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	37	0.59	2.1
					01/19/2021	36	0.62	2.2
					02/02/2021	29	0.60	2.1
					02/09/2021	26	0.65	2.3
					03/02/2021	34	0.60	2.1
					03/09/2021	33	0.60	2.1
					04/06/2021	38	0.60	2.1
					04/13/2021	54	0.58	2.0
					05/04/2021	38	0.65	2.3
					05/11/2021	34	0.60	2.2

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					06/01/2021	33	0.59	2.1
					06/08/2021	36	0.65	2.3
					07/13/2021	33	0.58	2.0
					07/20/2021	33	0.59	2.1
					08/03/2021	31	0.57	2.0
					08/10/2021	31	0.57	2.0
					09/07/2021	31	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	27	0.54	1.9
					12/07/2021	28	0.54	1.9
					12/14/2021	29	0.56	2.0
					Annual Mean	33		
					Annual Max	54		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	28	0.50	1.8
					01/19/2021	27	0.52	1.8
					02/02/2021	29	0.52	1.8
					02/09/2021	23	0.55	2.0
					03/02/2021	27	0.48	1.7
					03/09/2021	27	0.49	1.7
					04/06/2021	29	0.49	1.8
					04/13/2021	31	0.49	1.7
					05/04/2021	31	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	28	0.56	2.0
					07/20/2021	23	0.49	1.7
					08/03/2021	23	0.51	1.8
					08/10/2021	27	0.51	1.8
					09/07/2021	29	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	25	0.45	1.6
					12/07/2021	25	0.50	1.8
					12/14/2021	25	0.52	1.8
					Annual Mean	27		
					Annual Max	34		
	Nickel wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	8.9	0.14	0.49
					01/19/2021	8.2	0.14	0.49
					02/02/2021	6.8	0.14	0.49
					02/09/2021	5.7	0.14	0.49
					03/02/2021	7.8	0.14	0.49
					03/09/2021	7.8	0.14	0.49
					04/06/2021	8.9	0.14	0.49
					04/13/2021	13	0.14	0.49
					05/04/2021	8.3	0.14	0.49
					05/11/2021	8.0	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	7.8	0.14	0.49
					07/20/2021	7.9	0.14	0.50
					08/03/2021	7.7	0.14	0.50
					08/10/2021	7.6	0.14	0.49
					09/07/2021	7.9	0.14	0.50
					09/14/2021	7.7	0.14	0.50
					10/05/2021	7.7	0.14	0.50
					10/12/2021	7.1	0.14	0.49

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					11/02/2021	8.1	0.14	0.50
					11/09/2021	7.1	0.14	0.50
					12/07/2021	7.2	0.14	0.50
					12/14/2021	7.2	0.14	0.49
					Annual Mean	7.9		
					Annual Max	13		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	7.9	0.14	0.49
					01/19/2021	7.4	0.14	0.49
					02/02/2021	7.8	0.14	0.50
					02/09/2021	5.9	0.14	0.50
					03/02/2021	7.9	0.14	0.49
					03/09/2021	7.6	0.14	0.49
					04/06/2021	8.1	0.14	0.50
					04/13/2021	9.0	0.14	0.49
					05/04/2021	7.7	0.14	0.49
					05/11/2021	8.4	0.14	0.49
					06/01/2021	7.0	0.14	0.50
					06/08/2021	7.3	0.14	0.49
					07/13/2021	7.1	0.14	0.49
					07/20/2021	6.5	0.14	0.49
					08/03/2021	6.4	0.14	0.50
					08/10/2021	7.4	0.14	0.50
					09/07/2021	7.3	0.14	0.49
					09/14/2021	6.9	0.14	0.50
					10/05/2021	7.3	0.14	0.49
					10/12/2021	7.0	0.14	0.50
					11/02/2021	7.4	0.14	0.50
					11/09/2021	7.4	0.13	0.48
					12/07/2021	6.9	0.14	0.49
					12/14/2021	6.9	0.14	0.49
					Annual Mean	7.4		
					Annual Max	9.0		
	Selenium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	7.6	1.0	2.1
					01/19/2021	6.2	1.1	2.2
					02/02/2021	11	1.0	2.1
					02/09/2021	6.9	1.1	2.3
					03/02/2021	7.8	1.0	2.1
					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	6.5	1.1	2.3
					05/11/2021	7.8	1.1	2.2
					06/01/2021	8.4	1.1	2.1
					06/08/2021	8.3	1.2	2.3
					07/13/2021	9.2	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	7.3	0.97	2.0
					09/07/2021	8.3	0.98	2.0
					09/14/2021	7.0	0.97	1.9
					10/05/2021	10	0.97	1.9
					10/12/2021	8.4	0.96	2.0
					11/02/2021	8.0	0.95	1.9
					11/09/2021	7.3	0.88	1.8
					12/07/2021	7.3	0.97	1.9
					12/14/2021	8.4	0.96	2.0
					Annual Mean	8.3		
					Annual Max	19		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	9.4	0.86	1.8
					01/19/2021	7.4	0.89	1.8
					02/02/2021	9.6	0.92	1.8
					02/09/2021	8.6	0.98	2.0

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					03/02/2021	6.5	0.82	1.7
					03/09/2021	6.3	0.85	1.7
					04/06/2021	6.7	0.88	1.8
					04/13/2021	14	0.84	1.7
					05/04/2021	8.0	0.96	2.0
					05/11/2021	9.8	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	8.5	0.85	1.7
					08/03/2021	8.0	0.91	1.8
					08/10/2021	6.9	0.87	1.8
					09/07/2021	11	0.94	1.9
					09/14/2021	9.0	0.93	1.9
					10/05/2021	10	0.86	1.8
					10/12/2021	8.3	0.87	1.7
					11/02/2021	10	0.90	1.8
					11/09/2021	8.2	0.82	1.6
					12/07/2021	9.3	0.86	1.8
					12/14/2021	9.6	0.89	1.8
					Annual Mean	8.9		
					Annual Max	14		
	Selenium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	1.8	0.24	0.49
					01/19/2021	1.4	0.24	0.49
					02/02/2021	2.6	0.24	0.49
					02/09/2021	1.5	0.24	0.49
					03/02/2021	1.8	0.24	0.49
					03/09/2021	1.4	0.24	0.49
					04/06/2021	1.3	0.24	0.49
					04/13/2021	4.6	0.24	0.49
					05/04/2021	1.4	0.24	0.49
					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	2.0	0.25	0.50
					08/03/2021	2.0	0.25	0.50
					08/10/2021	1.8	0.24	0.49
					09/07/2021	2.1	0.25	0.50
					09/14/2021	1.8	0.25	0.50
					10/05/2021	2.7	0.25	0.50
					10/12/2021	2.1	0.24	0.49
					11/02/2021	2.1	0.25	0.50
					11/09/2021	1.9	0.23	0.47
					12/07/2021	1.9	0.25	0.50
					12/14/2021	2.1	0.24	0.49
					Annual Mean	2.0		
					Annual Max	4.6		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	2.6	0.24	0.49
					01/19/2021	2.0	0.24	0.49
					02/02/2021	2.6	0.25	0.50
					02/09/2021	2.2	0.25	0.50
					03/02/2021	1.9	0.24	0.49
					03/09/2021	1.8	0.24	0.49
					04/06/2021	1.9	0.25	0.50
					04/13/2021	4.1	0.24	0.49
					05/04/2021	2.0	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	2.1	0.24	0.49
					07/13/2021	2.8	0.24	0.49
					07/20/2021	2.4	0.24	0.49

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					08/03/2021	2.2	0.25	0.50
					08/10/2021	1.9	0.24	0.50
					09/07/2021	2.7	0.24	0.49
					09/14/2021	2.4	0.25	0.50
					10/05/2021	2.9	0.24	0.49
					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	2.6	0.24	0.49
					12/14/2021	2.6	0.24	0.49
					Annual Mean	2.4		
					Annual Max	4.1		
	Silver	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	2.9	0.050	1.6
					01/19/2021	4.4	0.053	1.7
					02/02/2021	2.2	0.052	1.7
					02/09/2021	2.9	0.055	1.8
					03/02/2021	3.7	0.052	1.7
					03/09/2021	3.8	0.052	1.7
					04/06/2021	3.2	0.052	1.7
					04/13/2021	3.9	0.050	1.6
					05/04/2021	3.0	0.055	1.8
					05/11/2021	3.1	0.052	1.7
					06/01/2021	4.2	0.051	1.7
					06/08/2021	3.0	0.056	1.9
					07/13/2021	2.0	0.050	1.6
					07/20/2021	2.4	0.051	1.7
					08/03/2021	4.9	0.049	1.6
					08/10/2021	2.2	0.049	1.6
					09/07/2021	2.4	0.047	1.6
					09/14/2021	2.4	0.047	1.6
					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	2.7	0.046	1.4
					12/07/2021	3.0	0.046	1.5
					12/14/2021	2.9	0.048	1.6
					Annual Mean	3.0		
					Annual Max	4.9		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	2.7	0.044	1.5
					Annual Mean	2.7		
					Annual Max	2.7		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	2.3	0.043	1.4
					01/19/2021	2.8	0.044	1.4
					02/09/2021	2.2	0.047	1.6
					03/02/2021	2.3	0.041	1.4
					03/09/2021	2.6	0.042	1.4
					04/06/2021	2.6	0.042	1.4
					04/13/2021	2.7	0.042	1.4
					05/04/2021	2.4	0.048	1.6
					05/11/2021	2.9	0.043	1.4
					06/01/2021	2.4	0.041	1.4
					06/08/2021	2.9	0.056	1.8
					07/13/2021	2.1	0.048	1.6
					07/20/2021	2.0	0.042	1.4
					08/03/2021	1.7	0.044	1.5
					08/10/2021	1.9	0.043	1.4
					09/07/2021	2.2	0.047	1.6
					09/14/2021	2.1	0.045	1.5
					10/05/2021	2.4	0.043	1.4
					10/12/2021	1.9	0.042	1.4
					11/02/2021	1.8	0.043	1.4
					11/09/2021	1.6	0.041	1.3

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
					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 weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	0.68	0.012	0.39
					01/19/2021	0.99	0.012	0.39
					02/02/2021	0.50	0.012	0.39
					02/09/2021	0.63	0.012	0.39
					03/02/2021	0.85	0.012	0.39
					03/09/2021	0.88	0.012	0.39
					04/06/2021	0.74	0.012	0.39
					04/13/2021	0.93	0.012	0.39
					05/04/2021	0.65	0.012	0.40
					05/11/2021	0.71	0.012	0.40
					06/01/2021	1.0	0.012	0.40
					06/08/2021	0.64	0.012	0.40
					07/13/2021	0.48	0.012	0.39
					07/20/2021	0.57	0.012	0.40
					08/03/2021	1.2	0.012	0.40
					08/10/2021	0.55	0.012	0.39
					09/07/2021	0.61	0.012	0.40
					09/14/2021	0.62	0.012	0.40
					10/05/2021	0.70	0.012	0.40
					10/12/2021	0.62	0.012	0.39
					11/02/2021	0.74	0.012	0.40
					11/09/2021	0.71	0.012	0.37
					12/07/2021	0.77	0.012	0.40
					12/14/2021	0.72	0.012	0.39
					Annual Mean	0.73		
					Annual Max	1.2		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	0.64	0.012	0.39
					01/19/2021	0.77	0.012	0.39
					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	0.77	0.012	0.39
					05/04/2021	0.61	0.012	0.40
					05/11/2021	0.79	0.012	0.39
					06/01/2021	0.70	0.012	0.40
					06/08/2021	0.62	0.012	0.39
					07/13/2021	0.53	0.012	0.40
					07/20/2021	0.57	0.012	0.40
					08/03/2021	0.47	0.012	0.40
					08/10/2021	0.53	0.012	0.40
					09/07/2021	0.56	0.012	0.40
					09/14/2021	0.56	0.012	0.40
					10/05/2021	0.68	0.012	0.40
					10/12/2021	0.55	0.012	0.40
					11/02/2021	0.50	0.012	0.40
					11/09/2021	0.47	0.012	0.38
					12/07/2021	0.48	0.012	0.40
					12/14/2021	0.68	0.012	0.40
					Annual Mean	0.62		
					Annual Max	0.79		
	Thallium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	0.50	1.1
					04/06/2021	0.69 DNQ	0.52	1.1
					07/20/2021	0.80 DNQ	0.51	1.1
					Annual Mean	0.66 DNQ		
					Annual Max	0.80 DNQ		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	ND	0.43	0.90
					04/06/2021	1.2	0.42	0.88
					07/20/2021	0.71 DNQ	0.42	0.88
					Annual Mean	0.78 DNQ		
					Annual Max	1.2		
	Thallium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	0.12	0.25
					04/06/2021	0.16 DNQ	0.12	0.25
					07/20/2021	0.19 DNQ	0.12	0.25
					Annual Mean	0.16 DNQ		
					Annual Max	0.19 DNQ		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	0.12	0.25
					04/06/2021	0.35	0.12	0.25
					07/20/2021	0.20 DNQ	0.12	0.25
					Annual Mean	0.22 DNQ		
					Annual Max	0.35		
	Vanadium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	29	0.11	1.1
					04/06/2021	40	0.12	1.1
					07/20/2021	42	0.11	1.1
					Annual Mean	37		
					Annual Max	42		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	70	0.097	0.90
					04/06/2021	100	0.095	0.88
					07/20/2021	110	0.095	0.88
					Annual Mean	93		
					Annual Max	110		
	Vanadium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	6.9	0.027	0.25
					04/06/2021	10	0.027	0.25
					07/20/2021	10	0.027	0.25
					Annual Mean	9.0		
					Annual Max	10		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	20	0.027	0.25
					04/06/2021	29	0.027	0.25
					07/20/2021	30	0.027	0.25
					Annual Mean	26		
					Annual Max	30		
	Zinc	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/12/2021	800	3.5	21
					01/19/2021	840	3.7	22
					02/02/2021	730	3.6	21
					02/09/2021	690	3.9	23
					03/02/2021	780	3.6	21
					03/09/2021	820	3.6	21
					04/06/2021	860	3.6	21
					04/13/2021	800	3.5	20
					05/04/2021	830	3.9	23
					05/11/2021	820	3.7	22
					06/01/2021	760	3.6	21
					06/08/2021	830	3.9	23
					07/13/2021	830	3.5	20
					07/20/2021	800	3.6	21
					08/03/2021	820	3.5	20
					08/10/2021	850	3.4	20
					09/07/2021	790	3.3	20
					09/14/2021	810	3.3	19
					10/05/2021	850	3.3	19
					10/12/2021	800	3.3	20
					11/02/2021	760	3.3	19
					11/09/2021	810	3.1	18
					12/07/2021	810	3.3	19
					12/14/2021	800	3.4	20
					Annual Mean	800		
					Annual Max	860		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	02/02/2021	700	3.2	18
					Annual Mean	700		
					Annual Max	700		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/12/2021	760	3.1	18
					01/19/2021	700	3.1	18
					02/09/2021	660	3.4	20
					03/02/2021	700	2.9	17
					03/09/2021	700	3.0	17
					04/06/2021	780	3.0	18
					04/13/2021	730	2.9	17
					05/04/2021	760	3.4	20
					05/11/2021	800	3.0	18
					06/01/2021	650	2.9	17
					06/08/2021	900	3.9	23
					07/13/2021	800	3.4	20
					07/20/2021	670	3.0	17
					08/03/2021	650	3.1	18
					08/10/2021	720	3.1	18
					09/07/2021	740	3.3	19
					09/14/2021	750	3.2	19
					10/05/2021	720	3.1	18
					10/12/2021	660	3.0	17
					11/02/2021	680	3.1	18
					11/09/2021	650	2.8	16
					12/07/2021	680	3.0	18
					12/14/2021	700	3.1	18
					Annual Mean	720		
					Annual Max	900		
	Zinc wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/12/2021	200	0.84	4.9
					01/19/2021	190	0.83	4.9
					02/02/2021	170	0.84	4.9
					02/09/2021	150	0.84	4.9
					03/02/2021	180	0.84	4.9
					03/09/2021	190	0.84	4.9
					04/06/2021	200	0.84	4.9
					04/13/2021	200	0.84	4.9
					05/04/2021	180	0.85	4.9
					05/11/2021	190	0.85	5.0
					06/01/2021	180	0.85	5.0
					06/08/2021	180	0.85	5.0
					07/13/2021	200	0.85	4.9
					07/20/2021	190	0.85	5.0
					08/03/2021	200	0.86	5.0
					08/10/2021	210	0.84	4.9
					09/07/2021	200	0.85	5.0
					09/14/2021	210	0.85	5.0
					10/05/2021	220	0.85	5.0
					10/12/2021	200	0.84	4.9
					11/02/2021	200	0.86	5.0
					11/09/2021	210	0.80	4.7
					12/07/2021	210	0.85	5.0
					12/14/2021	200	0.84	4.9
					Annual Mean	190		
					Annual Max	220		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/12/2021	210	0.85	4.9
					01/19/2021	200	0.84	4.9
					02/02/2021	190	0.86	5.0
					02/09/2021	170	0.86	5.0
					03/02/2021	200	0.85	4.9
					03/09/2021	200	0.84	4.9
					04/06/2021	220	0.86	5.0
					04/13/2021	210	0.83	4.9

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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	180	0.86	5.0
					08/10/2021	200	0.85	5.0
					09/07/2021	190	0.85	4.9
					09/14/2021	200	0.85	5.0
					10/05/2021	200	0.85	4.9
					10/12/2021	190	0.86	5.0
					11/02/2021	190	0.86	5.0
					11/09/2021	190	0.82	4.8
					12/07/2021	190	0.85	4.9
					12/14/2021	190	0.85	4.9
					Annual Mean	200		
					Annual Max	220		
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,1,1,2-Tetrachloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	1,1,1-Trichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,1,1-Trichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,1,2,2-Tetrachloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,1,2,2-Tetrachloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,1,2-Trichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,1,2-Trichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,1-Dichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,1-Dichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,1-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,1-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	1,1-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,1-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,2,3-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,2,3-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,2,3-Trichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	3000
					04/06/2021	ND	730	3600
					07/20/2021	ND	630	3100
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	2200
					04/06/2021	ND	330	1600
					07/20/2021	ND	390	2000
					Annual Mean	<430		
					Annual Max	<430		
	1,2,3-Trichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	720
					04/06/2021	ND	170	830
					07/20/2021	ND	150	740
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	620
					04/06/2021	ND	93	460
					07/20/2021	ND	110	560
					Annual Mean	<120		
					Annual Max	<120		
	1,2,4-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,2,4-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	1,2,4-Trimethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2,4-Trimethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,2-Dibromo-3-chloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	1,2-Dibromo-3-chloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	1,2-Dibromoethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2-Dibromoethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,2-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,2-Dichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2-Dichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,2-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,2-Dichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,3,5-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1200
					04/06/2021	ND	730	1400
					07/20/2021	ND	630	1300
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	900
					04/06/2021	ND	330	670
					07/20/2021	ND	390	810
					Annual Mean	<430		
					Annual Max	<430		
	1,3,5-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	290
					04/06/2021	ND	170	330
					07/20/2021	ND	150	300
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	250
					04/06/2021	ND	93	190
					07/20/2021	ND	110	230
					Annual Mean	<120		
					Annual Max	<120		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,3,5-Trimethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,3,5-Trimethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,3-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,3-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	1,3-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,3-Dichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,4-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	1,4-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	2,2-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1200
					04/06/2021	ND	730	1400
					07/20/2021	ND	630	1300
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	900
					04/06/2021	ND	330	670
					07/20/2021	ND	390	810
					Annual Mean	<430		
					Annual Max	<430		
	2,2-Dichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	290
					04/06/2021	ND	170	330
					07/20/2021	ND	150	300
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	250
					04/06/2021	ND	93	190
					07/20/2021	ND	110	230
					Annual Mean	<120		
					Annual Max	<120		
	2-Chlorotoluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	2-Chlorotoluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2-Hexanone wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	720	1800
					04/06/2021	ND	830	2100
					07/20/2021	ND	740	1900
					Annual Mean	<830		
					Annual Max	<830		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	620	1600
					04/06/2021	ND	460	1200
					07/20/2021	ND	560	1400
					Annual Mean	<620		
					Annual Max	<620		
	4-Chlorotoluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	1500
					04/06/2021	ND	360	1800
					07/20/2021	ND	310	1600
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	1100
					04/06/2021	ND	160	810
					07/20/2021	ND	200	990
					Annual Mean	<220		
					Annual Max	<220		
	4-Chlorotoluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	360
					04/06/2021	ND	83	420
					07/20/2021	ND	74	370
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	310
					04/06/2021	ND	46	230
					07/20/2021	ND	56	280
					Annual Mean	<62		
					Annual Max	<62		
	Acrolein	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12000	30000
					04/06/2021	ND	14000	36000
					07/20/2021	ND	13000	31000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	9000	22000
					04/06/2021	ND	6700	16000
					07/20/2021	ND	8100	20000
					Annual Mean	<9000		
					Annual Max	<9000		
	Acrolein wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2900	7200
					04/06/2021	ND	3300	8300
					07/20/2021	ND	3000	7400
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2500	6200
					04/06/2021	ND	1900	4600
					07/20/2021	ND	2300	5600
					Annual Mean	<2500		
					Annual Max	<2500		
	Acrylonitrile	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	5900	30000
					04/06/2021	ND	7300	36000
					07/20/2021	ND	6300	31000
					Annual Mean	<7300		
					Annual Max	<7300		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4300	22000
					04/06/2021	ND	3300	16000
					07/20/2021	ND	3900	20000
					Annual Mean	<4300		
					Annual Max	<4300		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Acrylonitrile wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1400	7200
					04/06/2021	ND	1700	8300
					07/20/2021	ND	1500	7400
					Annual Mean	<1700		
					Annual Max	<1700		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1200	6200
					04/06/2021	ND	930	4600
					07/20/2021	ND	1100	5600
					Annual Mean	<1200		
					Annual Max	<1200		
	Benzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Benzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Bromobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Bromobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Bromochloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Bromochloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Bromodichloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Bromodichloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Bromoform	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Bromoform wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Bromomethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Bromomethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Carbon tetrachloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Carbon tetrachloride wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Chlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Chlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Chloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Chloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Chloroform	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Chloroform wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Chloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Chloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	cis-1,2-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	cis-1,2-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	cis-1,3-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	cis-1,3-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Dibromochloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Dibromochloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Dibromomethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Dibromomethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Dichlorodifluoromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Dichlorodifluoromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Ethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Ethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Hexachlorobutadiene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Hexachlorobutadiene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Isobutyl alcohol	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	15000	30000
					04/06/2021	ND	18000	36000
					07/20/2021	ND	16000	31000
					Annual Mean	<18000		
					Annual Max	<18000		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	11000	22000
					04/06/2021	ND	8100	16000
					07/20/2021	ND	9900	20000
					Annual Mean	<11000		
					Annual Max	<11000		
	Isobutyl alcohol wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3600	7200
					04/06/2021	ND	4200	8300
					07/20/2021	ND	3700	7400
					Annual Mean	<4200		
					Annual Max	<4200		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3100	6200
					04/06/2021	ND	2300	4600
					07/20/2021	ND	2800	5600
					Annual Mean	<3100		
					Annual Max	<3100		
	Isopropylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Isopropylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	m,p-Xylenes	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1200
					04/06/2021	ND	730	1400
					07/20/2021	ND	630	1300
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	900
					04/06/2021	ND	330	670
					07/20/2021	ND	390	810
					Annual Mean	<430		
					Annual Max	<430		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	m,p-Xylenes wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	290
					04/06/2021	ND	170	330
					07/20/2021	ND	150	300
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	250
					04/06/2021	ND	93	190
					07/20/2021	ND	110	230
					Annual Mean	<120		
					Annual Max	<120		
	Methyl ethyl ketone	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	3000	5900
					04/06/2021	3900 DNQ	3600	7300
					07/20/2021	3200 DNQ	3100	6300
					Annual Mean	3400 DNQ		
					Annual Max	3900 DNQ		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	2200	4300
					04/06/2021	1800 DNQ	1600	3300
					07/20/2021	ND	2000	3900
					Annual Mean	2000 DNQ		
					Annual Max	1800 DNQ		
	Methyl ethyl ketone wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	720	1400
					04/06/2021	920 DNQ	830	1700
					07/20/2021	770 DNQ	740	1500
					Annual Mean	800 DNQ		
					Annual Max	920 DNQ		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	620	1200
					04/06/2021	500 DNQ	460	930
					07/20/2021	ND	560	1100
					Annual Mean	560 DNQ		
					Annual Max	500 DNQ		
	Methylene Chloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	3000	5900
					04/06/2021	ND	3600	7300
					07/20/2021	ND	3100	6300
					Annual Mean	<3600		
					Annual Max	<3600		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	2200	4300
					04/06/2021	ND	1600	3300
					07/20/2021	ND	2000	3900
					Annual Mean	<2200		
					Annual Max	<2200		
	Methylene Chloride wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	720	1400
					04/06/2021	ND	830	1700
					07/20/2021	ND	740	1500
					Annual Mean	<830		
					Annual Max	<830		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	620	1200
					04/06/2021	ND	460	930
					07/20/2021	ND	560	1100
					Annual Mean	<620		
					Annual Max	<620		
	MIBK	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	1200	3000
					04/06/2021	ND	1400	3600
					07/20/2021	ND	1300	3100
					Annual Mean	<1400		
					Annual Max	<1400		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	900	2200
					04/06/2021	ND	670	1600
					07/20/2021	ND	810	2000
					Annual Mean	<900		
					Annual Max	<900		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	MIBK wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	290	720
					04/06/2021	ND	330	830
					07/20/2021	ND	300	740
					Annual Mean	<330		
					Annual Max	<330		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	250	620
					04/06/2021	ND	190	460
					07/20/2021	ND	230	560
					Annual Mean	<250		
					Annual Max	<250		
	Naphthalene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Naphthalene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	n-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	n-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	n-Propylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	n-Propylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	o-Xylene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	o-Xylene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	sec-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	1500
					04/06/2021	ND	360	1800
					07/20/2021	ND	310	1600
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	1100
					04/06/2021	ND	160	810
					07/20/2021	ND	200	990
					Annual Mean	<220		
					Annual Max	<220		
	sec-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	360
					04/06/2021	ND	83	420
					07/20/2021	ND	74	370
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	310
					04/06/2021	ND	46	230
					07/20/2021	ND	56	280
					Annual Mean	<62		
					Annual Max	<62		
	Styrene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Styrene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	tert-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	tert-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Tetrachloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	Tetrachloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Toluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Toluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	trans-1,2-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	trans-1,2-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	trans-1,3-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		
	trans-1,3-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Trichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	300	590
					04/06/2021	ND	360	730
					07/20/2021	ND	310	630
					Annual Mean	<360		
					Annual Max	<360		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	220	430
					04/06/2021	ND	160	330
					07/20/2021	ND	200	390
					Annual Mean	<220		
					Annual Max	<220		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Trichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	72	140
					04/06/2021	ND	83	170
					07/20/2021	ND	74	150
					Annual Mean	<83		
					Annual Max	<83		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	62	120
					04/06/2021	ND	46	93
					07/20/2021	ND	56	110
					Annual Mean	<62		
					Annual Max	<62		
	Trichlorofluoromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Trichlorofluoromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
	Vinyl chloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	590	1500
					04/06/2021	ND	730	1800
					07/20/2021	ND	630	1600
					Annual Mean	<730		
					Annual Max	<730		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	430	1100
					04/06/2021	ND	330	810
					07/20/2021	ND	390	990
					Annual Mean	<430		
					Annual Max	<430		
	Vinyl chloride wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	140	360
					04/06/2021	ND	170	420
					07/20/2021	ND	150	370
					Annual Mean	<170		
					Annual Max	<170		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	120	310
					04/06/2021	ND	93	230
					07/20/2021	ND	110	280
					Annual Mean	<120		
					Annual Max	<120		
Semi-Volatile Organic Compounds	1,2,4-Trichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,2,4-Trichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	1,2-Dichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6400	42000
					07/20/2021	ND	12000	80000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	5300	35000
					07/20/2021	ND	10000	67000
					Annual Mean	<10000		
					Annual Max	<10000		
	1,2-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1500	9900
					07/20/2021	ND	2900	19000
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1500	9900
					07/20/2021	ND	2900	19000
					Annual Mean	<2900		
					Annual Max	<2900		
	1,3-Dichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	5600	21000
					07/20/2021	ND	23000	41000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	4600	17000
					07/20/2021	ND	19000	34000
					Annual Mean	<19000		
					Annual Max	<19000		
	1,3-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1300	4900
					07/20/2021	ND	5500	9600
					Annual Mean	<5500		
					Annual Max	<5500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1300	4900
					07/20/2021	ND	5400	9500
					Annual Mean	<5400		
					Annual Max	<5400		
	1,4-Dichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	5200	21000
					07/20/2021	ND	23000	41000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	4200	17000
					07/20/2021	ND	19000	34000
					Annual Mean	<19000		
					Annual Max	<19000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	1,4-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1200	4900
					07/20/2021	ND	5400	9600
					Annual Mean	<5400		
					Annual Max	<5400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1200	4900
					07/20/2021	ND	5300	9500
					Annual Mean	<5300		
					Annual Max	<5300		
	2,4,5-Trichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	8400	21000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14000	35000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<14000		
					Annual Max	<14000		
	2,4,5-Trichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2000	5000
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3900	9800
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	2,4,6-Trichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6700	21000
					04/06/2021	ND	8600	21000
					07/20/2021	ND	16000	41000
					Annual Mean	<16000		
					Annual Max	<16000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	11000	35000
					04/06/2021	ND	7100	17000
					07/20/2021	ND	13000	34000
					Annual Mean	<13000		
					Annual Max	<13000		
	2,4,6-Trichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1600	5000
					04/06/2021	ND	2000	4900
					07/20/2021	ND	3800	9600
					Annual Mean	<3800		
					Annual Max	<3800		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3100	9800
					04/06/2021	ND	2000	4900
					07/20/2021	ND	3800	9500
					Annual Mean	<3800		
					Annual Max	<3800		
	2,4-Dichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2,4-Dichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	2,4-Dimethylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4100	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	6800	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	10000	34000
					Annual Mean	<10000		
					Annual Max	<10000		
	2,4-Dimethylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	980	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9600
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1900	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	2,4-Dinitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	32000	42000
					04/06/2021	ND	56000	210000
					07/20/2021	ND	110000	410000
					Annual Mean	<110000		
					Annual Max	<110000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	54000	72000
					04/06/2021	ND	46000	170000
					07/20/2021	ND	92000	340000
					Annual Mean	<92000		
					Annual Max	<92000		
	2,4-Dinitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	7500	10000
					04/06/2021	ND	13000	49000
					07/20/2021	ND	26000	96000
					Annual Mean	<26000		
					Annual Max	<26000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	15000	20000
					04/06/2021	ND	13000	49000
					07/20/2021	ND	26000	95000
					Annual Mean	<26000		
					Annual Max	<26000		
	2,4-Dinitrotoluene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2500	11000
					04/06/2021	ND	7700	21000
					07/20/2021	ND	15000	41000
					Annual Mean	<15000		
					Annual Max	<15000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4300	18000
					04/06/2021	ND	6400	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2,4-Dinitrotoluene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	600	2500
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3500	9600
					Annual Mean	<3500		
					Annual Max	<3500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1200	4900
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3500	9500
					Annual Mean	<3500		
					Annual Max	<3500		
	2,6-Dinitrotoluene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	3000	11000
					04/06/2021	ND	7700	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	5000	18000
					04/06/2021	ND	6400	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	2,6-Dinitrotoluene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	710	2500
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1400	4900
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	2-Chloronaphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	2-Chloronaphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		
	2-Chlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	5200	21000
					07/20/2021	ND	22000	41000
					Annual Mean	<22000		
					Annual Max	<22000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	4200	17000
					07/20/2021	ND	18000	34000
					Annual Mean	<18000		
					Annual Max	<18000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2-Chlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1200	4900
					07/20/2021	ND	5200	9600
					Annual Mean	<5200		
					Annual Max	<5200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1200	4900
					07/20/2021	ND	5200	9500
					Annual Mean	<5200		
					Annual Max	<5200		
	2-Methylnaphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6000	42000
					07/20/2021	ND	11000	80000
					Annual Mean	<11000		
					Annual Max	<11000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	4900	35000
					07/20/2021	ND	9200	67000
					Annual Mean	<9200		
					Annual Max	<9200		
	2-Methylnaphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1400	9900
					07/20/2021	ND	2700	19000
					Annual Mean	<2700		
					Annual Max	<2700		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1400	9900
					07/20/2021	ND	2600	19000
					Annual Mean	<2600		
					Annual Max	<2600		
	2-Methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2500	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4300	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	2-Methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	600	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1200	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	2-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	7100	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	12000	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	9900	34000
					Annual Mean	<12000		
					Annual Max	<12000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1700	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9600
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3300	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2800	9500
					Annual Mean	<3300		
					Annual Max	<3300		
	2-Nitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	30000	41000
					Annual Mean	<30000		
					Annual Max	<30000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	25000	34000
					Annual Mean	<25000		
					Annual Max	<25000		
	2-Nitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1400	4900
					07/20/2021	ND	7200	9600
					Annual Mean	<7200		
					Annual Max	<7200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1400	4900
					07/20/2021	ND	7100	9500
					Annual Mean	<7100		
					Annual Max	<7100		
	3 & 4 METHYLPHENOL wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	ND	1500	9900
					Annual Mean	<1500		
					Annual Max	<1500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	ND	1500	9900
					Annual Mean	<1500		
					Annual Max	<1500		
	3&4-Methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	07/20/2021	ND	12000	80000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/20/2021	ND	9900	67000
					Annual Mean	<9900		
					Annual Max	<9900		
	3&4-Methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	07/20/2021	ND	2900	19000
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	07/20/2021	ND	2800	19000
					Annual Mean	<2800		
					Annual Max	<2800		
	3,3-Dichlorobenzidine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	9200 DNQ	4600	21000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	11000	41000
					Annual Mean	8700 DNQ		
					Annual Max	9200 DNQ		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	15000 DNQ	7900	35000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	9200	34000
					Annual Mean	9700 DNQ		
					Annual Max	15000 DNQ		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	3,3-Dichlorobenzidine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	2200 DNQ	1100	5000
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2600	9600
					Annual Mean	2100 DNQ		
					Annual Max	2200 DNQ		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	4300 DNQ	2200	9800
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2600	9500
					Annual Mean	2800 DNQ		
					Annual Max	4300 DNQ		
	3-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	3-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	4,6-Dinitro-2-methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	21000
					04/06/2021	ND	43000	210000
					07/20/2021	ND	84000	410000
					Annual Mean	<84000		
					Annual Max	<84000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	35000
					04/06/2021	ND	35000	170000
					07/20/2021	ND	71000	340000
					Annual Mean	<71000		
					Annual Max	<71000		
	4,6-Dinitro-2-methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	5000
					04/06/2021	ND	10000	49000
					07/20/2021	ND	20000	96000
					Annual Mean	<20000		
					Annual Max	<20000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	9800
					04/06/2021	ND	10000	49000
					07/20/2021	ND	20000	95000
					Annual Mean	<20000		
					Annual Max	<20000		
	4-Bromophenyl phenyl ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2400	11000
					04/06/2021	ND	7700	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4000	18000
					04/06/2021	ND	6400	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	4-Bromophenyl phenyl ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	560	2500
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1100	4900
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	4-Chloro-3-methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6300	17000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10000	28000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	9900	34000
					Annual Mean	<10000		
					Annual Max	<10000		
	4-Chloro-3-methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1500	4000
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9600
					Annual Mean	<2800		
					Annual Max	<2800		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2900	7900
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	4-Chloroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6300	21000
					04/06/2021	ND	4300	42000
					07/20/2021	ND	8400	80000
					Annual Mean	<8400		
					Annual Max	<8400		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10000	35000
					04/06/2021	ND	3500	35000
					07/20/2021	ND	6700	67000
					Annual Mean	<10000		
					Annual Max	<10000		
	4-Chloroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1500	5000
					04/06/2021	ND	1000	9900
					07/20/2021	ND	2000	19000
					Annual Mean	<2000		
					Annual Max	<2000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2900	9800
					04/06/2021	ND	1000	9900
					07/20/2021	ND	1900	19000
					Annual Mean	<2900		
					Annual Max	<2900		
	4-Chlorophenyl phenyl ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	8400	21000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14000	35000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<14000		
					Annual Max	<14000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	4-Chlorophenyl phenyl ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2000	5000
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3900	9800
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	4-Methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	4600 DNQ	4200	11000
					Annual Mean	4600 DNQ		
					Annual Max	4600 DNQ		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					Annual Mean	<7200		
					Annual Max	<7200		
	4-Methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	1100 DNQ	1000	2500
					Annual Mean	1100 DNQ		
					Annual Max	1100 DNQ		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					Annual Mean	<2000		
					Annual Max	<2000		
	4-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	21000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	35000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	4-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	5000
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	9800
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	4-Nitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	21000	42000
					04/06/2021	ND	15000	42000
					07/20/2021	ND	59000	80000
					Annual Mean	<59000		
					Annual Max	<59000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	35000	72000
					04/06/2021	ND	12000	35000
					07/20/2021	ND	49000	67000
					Annual Mean	<49000		
					Annual Max	<49000		
	4-Nitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	5000	10000
					04/06/2021	ND	3400	9900
					07/20/2021	ND	14000	19000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	9800	20000
					04/06/2021	ND	3400	9900
					07/20/2021	ND	14000	19000
					Annual Mean	<14000		
					Annual Max	<14000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Acenaphthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	5500	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	9400	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	10000	34000
					Annual Mean	<10000		
					Annual Max	<10000		
	Acenaphthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1300	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9600
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2600	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	Acenaphthylene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Acenaphthylene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Aniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	5900	21000
					04/06/2021	ND	21000	21000
					07/20/2021	ND	30000	41000
					Annual Mean	<30000		
					Annual Max	<30000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10000	35000
					04/06/2021	ND	17000	17000
					07/20/2021	ND	25000	34000
					Annual Mean	<25000		
					Annual Max	<25000		
	Aniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1400	5000
					04/06/2021	ND	4900	4900
					07/20/2021	ND	7200	9600
					Annual Mean	<7200		
					Annual Max	<7200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2800	9800
					04/06/2021	ND	4900	4900
					07/20/2021	ND	7100	9500
					Annual Mean	<7100		
					Annual Max	<7100		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2500	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4300	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	600	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1200	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	Azobenzene/ 1,2-Diphenylhydrazine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	24000	41000
					Annual Mean	<24000		
					Annual Max	<24000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	20000	34000
					Annual Mean	<20000		
					Annual Max	<20000		
	Azobenzene/ 1,2-Diphenylhydrazine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1400	4900
					07/20/2021	ND	5700	9600
					Annual Mean	<5700		
					Annual Max	<5700		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1400	4900
					07/20/2021	ND	5600	9500
					Annual Mean	<5600		
					Annual Max	<5600		
	Benz(a)anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Benz(a)anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Benzidine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	7100	55000
					04/06/2021	ND	52000	130000
					07/20/2021	ND	38000	240000
					Annual Mean	<52000		
					Annual Max	<52000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	12000	94000
					04/06/2021	ND	42000	110000
					07/20/2021	ND	32000	200000
					Annual Mean	<42000		
					Annual Max	<42000		
	Benzidine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1700	13000
					04/06/2021	ND	12000	30000
					07/20/2021	ND	9100	58000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3300	26000
					04/06/2021	ND	12000	30000
					07/20/2021	ND	9000	57000
					Annual Mean	<12000		
					Annual Max	<12000		
	Benzo(a)pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Benzo(a)pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		
	Benzo(b)fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Benzo(b)fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Benzo(g,h,i) perylene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	3400	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	5800	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Benzo(g,h,i) perylene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	820	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1600	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		
	Benzo(k)fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	7700	21000
					07/20/2021	ND	15000	41000
					Annual Mean	<15000		
					Annual Max	<15000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	6400	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Benzo(k)fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3500	9600
					Annual Mean	<3500		
					Annual Max	<3500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1800	4900
					07/20/2021	ND	3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	Benzoic acid	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	15000	32000
					04/06/2021	ND	24000	86000
					07/20/2021	ND	46000	160000
					Annual Mean	<46000		
					Annual Max	<46000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	26000	54000
					04/06/2021	ND	19000	71000
					07/20/2021	ND	39000	130000
					Annual Mean	<39000		
					Annual Max	<39000		
	Benzoic acid wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3600	7500
					04/06/2021	ND	5500	20000
					07/20/2021	ND	11000	38000
					Annual Mean	<11000		
					Annual Max	<11000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	7100	15000
					04/06/2021	ND	5500	20000
					07/20/2021	ND	11000	38000
					Annual Mean	<11000		
					Annual Max	<11000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Benzyl alcohol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	17000	55000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<17000		
					Annual Max	<17000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	29000	94000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	10000	34000
					Annual Mean	<29000		
					Annual Max	<29000		
	Benzyl alcohol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	4100	13000
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<4100		
					Annual Max	<4100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	8100	26000
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9500
					Annual Mean	<8100		
					Annual Max	<8100		
	Bis(2-chloroethoxy)methane	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	9900	34000
					Annual Mean	<9900		
					Annual Max	<9900		
	Bis(2-chloroethoxy)methane wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9600
					Annual Mean	<2800		
					Annual Max	<2800		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9500
					Annual Mean	<2800		
					Annual Max	<2800		
	Bis(2-chloroethyl)ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Bis(2-chloroethyl)ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Bis(2-chloroisopropyl)ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	10000	34000
					Annual Mean	<10000		
					Annual Max	<10000		
	Bis(2-chloroisopropyl)ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9600
					Annual Mean	<2900		
					Annual Max	<2900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	Bis(2-ethylhexyl)phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	41000	2900	11000
					04/06/2021	36000	7700	21000
					07/20/2021	51000	15000	41000
					Annual Mean	43000		
					Annual Max	51000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	47000	4700	18000
					04/06/2021	31000	6400	17000
					07/20/2021	42000	12000	34000
					Annual Mean	40000		
					Annual Max	47000		
	Bis(2-ethylhexyl)phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	9800	680	2500
					04/06/2021	8400	1800	4900
					07/20/2021	12000	3500	9600
					Annual Mean	10000		
					Annual Max	12000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	13000	1300	4900
					04/06/2021	8800	1800	4900
					07/20/2021	12000	3400	9500
					Annual Mean	11000		
					Annual Max	13000		
	Butyl benzyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2500	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4300	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Butyl benzyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	600	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1200	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Chrysene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2400	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4000	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Chrysene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	560	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1100	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3400	9500
					Annual Mean	<3400		
					Annual Max	<3400		
	Dibenz(a,h)anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	3800 DNQ	3200	11000
					04/06/2021	ND	20000	21000
					07/20/2021	ND	38000	41000
					Annual Mean	21000 DNQ		
					Annual Max	3800 DNQ		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	6500 DNQ	5400	18000
					04/06/2021	ND	17000	17000
					07/20/2021	ND	32000	34000
					Annual Mean	18000 DNQ		
					Annual Max	6500 DNQ		
	Dibenz(a,h)anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	910 DNQ	750	2500
					04/06/2021	ND	4700	4900
					07/20/2021	ND	9100	9600
					Annual Mean	4900 DNQ		
					Annual Max	910 DNQ		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	1800 DNQ	1500	4900
					04/06/2021	ND	4700	4900
					07/20/2021	ND	9000	9500
					Annual Mean	5200 DNQ		
					Annual Max	1800 DNQ		
	Dibenzofuran	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	5900	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10000	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Dibenzofuran wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1400	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2800	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Diethyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	3000	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	5000	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Diethyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	710	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1400	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Dimethyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	10000	34000
					Annual Mean	<10000		
					Annual Max	<10000		
	Dimethyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	2900	9500
					Annual Mean	<2900		
					Annual Max	<2900		
	Di-n-butyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2900	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4700	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Di-n-butyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	680	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1300	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Di-n-octyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2900	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4700	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Di-n-octyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	680	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1300	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6700	14000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	11000	23000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1600	3300
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3100	6500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	Fluorene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Fluorene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3200	9600
					Annual Mean	<3200		
					Annual Max	<3200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Hexachlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6000	21000
					07/20/2021	ND	12000	41000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	4900	17000
					07/20/2021	ND	9900	34000
					Annual Mean	<9900		
					Annual Max	<9900		
	Hexachlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9600
					Annual Mean	<2800		
					Annual Max	<2800		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1400	4900
					07/20/2021	ND	2800	9500
					Annual Mean	<2800		
					Annual Max	<2800		
	Hexachlorobutadiene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	8600	21000
					07/20/2021	ND	16000	41000
					Annual Mean	<16000		
					Annual Max	<16000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	7100	17000
					07/20/2021	ND	14000	34000
					Annual Mean	<14000		
					Annual Max	<14000		
	Hexachlorobutadiene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	2000	4900
					07/20/2021	ND	3900	9600
					Annual Mean	<3900		
					Annual Max	<3900		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	2000	4900
					07/20/2021	ND	3900	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	Hexachlorocyclopentadiene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	13000	32000
					04/06/2021	ND	12000	42000
					07/20/2021	ND	23000	80000
					Annual Mean	<23000		
					Annual Max	<23000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	22000	54000
					04/06/2021	ND	9900	35000
					07/20/2021	ND	19000	67000
					Annual Mean	<22000		
					Annual Max	<22000		
	Hexachlorocyclopentadiene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3100	7500
					04/06/2021	ND	2800	9900
					07/20/2021	ND	5400	19000
					Annual Mean	<5400		
					Annual Max	<5400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	6100	15000
					04/06/2021	ND	2800	9900
					07/20/2021	ND	5400	19000
					Annual Mean	<6100		
					Annual Max	<6100		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Hexachloroethane	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2900	11000
					04/06/2021	ND	5600	42000
					07/20/2021	ND	22000	80000
					Annual Mean	<22000		
					Annual Max	<22000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	5000	18000
					04/06/2021	ND	4600	35000
					07/20/2021	ND	18000	67000
					Annual Mean	<18000		
					Annual Max	<18000		
	Hexachloroethane wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	700	2500
					04/06/2021	ND	1300	9900
					07/20/2021	ND	5200	19000
					Annual Mean	<5200		
					Annual Max	<5200		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1400	4900
					04/06/2021	ND	1300	9900
					07/20/2021	ND	5100	19000
					Annual Mean	<5100		
					Annual Max	<5100		
	Indeno(1,2,3-cd)pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4100	11000
					04/06/2021	ND	8600	21000
					07/20/2021	ND	17000	41000
					Annual Mean	<17000		
					Annual Max	<17000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	6800	18000
					04/06/2021	ND	7100	17000
					07/20/2021	ND	14000	34000
					Annual Mean	<14000		
					Annual Max	<14000		
	Indeno(1,2,3-cd)pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	980	2500
					04/06/2021	ND	2000	4900
					07/20/2021	ND	4000	9600
					Annual Mean	<4000		
					Annual Max	<4000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1900	4900
					04/06/2021	ND	2000	4900
					07/20/2021	ND	3900	9500
					Annual Mean	<3900		
					Annual Max	<3900		
	Isophorone	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Isophorone wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Kepone wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	7500	40000
					Annual Mean	<7500		
					Annual Max	<7500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	15000	79000
					Annual Mean	<15000		
					Annual Max	<15000		
	Naphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2100	11000
					04/06/2021	ND	6900	42000
					07/20/2021	ND	13000	80000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3500	18000
					04/06/2021	ND	5700	35000
					07/20/2021	ND	11000	67000
					Annual Mean	<11000		
					Annual Max	<11000		
	Naphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	500	2500
					04/06/2021	ND	1600	9900
					07/20/2021	ND	3100	19000
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	980	4900
					04/06/2021	ND	1600	9900
					07/20/2021	ND	3100	19000
					Annual Mean	<3100		
					Annual Max	<3100		
	Nitrobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Nitrobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9600
					Annual Mean	<3300		
					Annual Max	<3300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3200	9500
					Annual Mean	<3200		
					Annual Max	<3200		
	N-Nitrosodimethylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	25000	86000
					07/20/2021	ND	46000	160000
					Annual Mean	<46000		
					Annual Max	<46000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	20000	71000
					07/20/2021	ND	39000	130000
					Annual Mean	<39000		
					Annual Max	<39000		
	N-Nitrosodimethylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	5800	20000
					07/20/2021	ND	11000	38000
					Annual Mean	<11000		
					Annual Max	<11000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	5800	20000
					07/20/2021	ND	11000	38000
					Annual Mean	<11000		
					Annual Max	<11000		
	N-Nitroso-di-n-propylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	2200	11000
					04/06/2021	ND	6000	42000
					07/20/2021	ND	12000	80000
					Annual Mean	<12000		
					Annual Max	<12000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	3600	18000
					04/06/2021	ND	4900	35000
					07/20/2021	ND	9500	67000
					Annual Mean	<9500		
					Annual Max	<9500		
	N-Nitroso-di-n-propylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	520	2500
					04/06/2021	ND	1400	9900
					07/20/2021	ND	2800	19000
					Annual Mean	<2800		
					Annual Max	<2800		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1000	4900
					04/06/2021	ND	1400	9900
					07/20/2021	ND	2700	19000
					Annual Mean	<2700		
					Annual Max	<2700		
	N-Nitrosodiphenylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6700	21000
					04/06/2021	ND	6900	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	11000	35000
					04/06/2021	ND	5700	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	N-Nitrosodiphenylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1600	5000
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9600
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3100	9800
					04/06/2021	ND	1600	4900
					07/20/2021	ND	3100	9500
					Annual Mean	<3100		
					Annual Max	<3100		
	Pentachlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	11000	21000
					04/06/2021	ND	42000	86000
					07/20/2021	ND	80000	160000
					Annual Mean	<80000		
					Annual Max	<80000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	18000	35000
					04/06/2021	ND	34000	71000
					07/20/2021	ND	67000	130000
					Annual Mean	<67000		
					Annual Max	<67000		
	Pentachlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2600	5000
					04/06/2021	ND	9700	20000
					07/20/2021	ND	19000	38000
					Annual Mean	<19000		
					Annual Max	<19000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	5100	9800
					04/06/2021	ND	9700	20000
					07/20/2021	ND	19000	38000
					Annual Mean	<19000		
					Annual Max	<19000		
	Phenanthrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	6300	14000
					04/06/2021	ND	6400	21000
					07/20/2021	ND	13000	41000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10000	23000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	34000
					Annual Mean	<11000		
					Annual Max	<11000		
	Phenanthrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1500	3300
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9600
					Annual Mean	<3000		
					Annual Max	<3000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2900	6500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	9500
					Annual Mean	<3000		
					Annual Max	<3000		
	Phenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	32000	2900	11000
					04/06/2021	6900 DNQ	6400	42000
					07/20/2021	ND	26000	80000
					Annual Mean	22000 DNQ		
					Annual Max	32000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	4700	18000
					04/06/2021	ND	5300	35000
					07/20/2021	ND	21000	67000
					Annual Mean	<21000		
					Annual Max	<21000		
	Phenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	7500	680	2500
					04/06/2021	1600 DNQ	1500	9900
					07/20/2021	ND	6100	19000
					Annual Mean	5100 DNQ		
					Annual Max	7500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	1300	4900
					04/06/2021	ND	1500	9900
					07/20/2021	ND	6000	19000
					Annual Mean	<6000		
					Annual Max	<6000		
	Pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4200	11000
					04/06/2021	ND	7300	21000
					07/20/2021	ND	14000	41000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	6000	17000
					07/20/2021	ND	12000	34000
					Annual Mean	<12000		
					Annual Max	<12000		
	Pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1000	2500
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3400	9600
					Annual Mean	<3400		
					Annual Max	<3400		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1700	4900
					07/20/2021	ND	3300	9500
					Annual Mean	<3300		
					Annual Max	<3300		
	Pyridine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	4600	14000
					04/06/2021	ND	6900	42000
					07/20/2021	ND	39000	80000
					Annual Mean	<39000		
					Annual Max	<39000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7900	24000
					04/06/2021	ND	5700	35000
					07/20/2021	ND	33000	67000
					Annual Mean	<33000		
					Annual Max	<33000		
	Pyridine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1100	3400
					04/06/2021	ND	1600	9900
					07/20/2021	ND	9300	19000
					Annual Mean	<9300		
					Annual Max	<9300		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2200	6700
					04/06/2021	ND	1600	9900
					07/20/2021	ND	9300	19000
					Annual Mean	<9300		
					Annual Max	<9300		
	Total Cresols	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	4600 DNQ	4200	11000
					07/20/2021	ND	13000	80000
					Annual Mean	8800 DNQ		
					Annual Max	4600 DNQ		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	7200	18000
					04/06/2021	ND	5300	17000
					07/20/2021	ND	11000	67000
					Annual Mean	<11000		
					Annual Max	<11000		
	Total Cresols wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	1100 DNQ	1000	2500
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	19000
					Annual Mean	1900 DNQ		
					Annual Max	1100 DNQ		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2000	4900
					04/06/2021	ND	1500	4900
					07/20/2021	ND	3000	19000
					Annual Mean	<3000		
					Annual Max	<3000		
Organochlorine Pesticides	Aldrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	38	110
					Annual Mean	<38		
					Annual Max	<38		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	12	35
					07/20/2021	ND	32	88
					Annual Mean	<32		
					Annual Max	<32		
	Aldrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.4	9.6
					07/20/2021	ND	9.0	25
					Annual Mean	<9.0		
					Annual Max	<9.0		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.5	9.8
					07/20/2021	ND	9.0	25
					Annual Mean	<9.0		
					Annual Max	<9.0		
	alpha-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	13	110
					Annual Mean	<15		
					Annual Max	<15		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	13	35
					07/20/2021	ND	11	88
					Annual Mean	<13		
					Annual Max	<13		
	alpha-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.6	9.6
					07/20/2021	ND	3.0	25
					Annual Mean	<3.6		
					Annual Max	<3.6		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.7	9.8
					07/20/2021	ND	3.0	25
					Annual Mean	<3.7		
					Annual Max	<3.7		
	beta-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	21	41
					07/20/2021	ND	55	110
					Annual Mean	<55		
					Annual Max	<55		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	18	35
					07/20/2021	ND	46	88
					Annual Mean	<46		
					Annual Max	<46		
	beta-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	5.0	9.6
					07/20/2021	ND	13	25
					Annual Mean	<13		
					Annual Max	<13		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	5.1	9.8
					07/20/2021	ND	13	25
					Annual Mean	<13		
					Annual Max	<13		
	Chlordane	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	120	410
					04/06/2021	ND	150	410
					07/20/2021	ND	400	1100
					Annual Mean	<400		
					Annual Max	<400		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	100	350
					04/06/2021	ND	130	350
					07/20/2021	ND	340	880
					Annual Mean	<340		
					Annual Max	<340		
	Chlordane wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	29	98
					04/06/2021	ND	36	96
					07/20/2021	ND	95	250
					Annual Mean	<95		
					Annual Max	<95		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	29	98
					04/06/2021	ND	37	98
					07/20/2021	ND	95	250
					Annual Mean	<95		
					Annual Max	<95		
	delta-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	84
					04/06/2021	ND	19	41
					07/20/2021	ND	17	110
					Annual Mean	<19		
					Annual Max	<19		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	72
					04/06/2021	ND	16	35
					07/20/2021	ND	14	88
					Annual Mean	<16		
					Annual Max	<16		
	delta-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	20
					04/06/2021	ND	4.4	9.6
					07/20/2021	ND	4.0	25
					Annual Mean	<4.4		
					Annual Max	<4.4		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	20
					04/06/2021	ND	4.5	9.8
					07/20/2021	ND	4.0	25
					Annual Mean	<4.5		
					Annual Max	<4.5		
	Dieldrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	40	110
					Annual Mean	<40		
					Annual Max	<40		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	13	35
					07/20/2021	ND	34	88
					Annual Mean	<34		
					Annual Max	<34		
	Dieldrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.6	9.6
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.7	9.8
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endosulfan 1	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	14	41
					07/20/2021	ND	36	110
					Annual Mean	<36		
					Annual Max	<36		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	12	35
					07/20/2021	ND	30	88
					Annual Mean	<30		
					Annual Max	<30		
	Endosulfan 1 wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.2	9.6
					07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.3	9.8
					07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		
	Endosulfan 2	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	40	110
					Annual Mean	<40		
					Annual Max	<40		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	13	35
					07/20/2021	ND	34	88
					Annual Mean	<34		
					Annual Max	<34		
	Endosulfan 2 wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.6	9.6
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.7	9.8
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endosulfan Sulfate	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	16	84
					04/06/2021	ND	17	41
					07/20/2021	ND	46	110
					Annual Mean	<46		
					Annual Max	<46		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14	72
					04/06/2021	ND	14	35
					07/20/2021	ND	35	88
					Annual Mean	<35		
					Annual Max	<35		
	Endosulfan Sulfate wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3.9	20
					04/06/2021	ND	4.0	9.6
					07/20/2021	ND	11	25
					Annual Mean	<11		
					Annual Max	<11		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3.9	20
					04/06/2021	ND	4.1	9.8
					07/20/2021	ND	10	25
					Annual Mean	<10		
					Annual Max	<10		
	Endrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	38	110
					Annual Mean	<38		
					Annual Max	<38		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	12	35
					07/20/2021	ND	32	88
					Annual Mean	<32		
					Annual Max	<32		
	Endrin Aldehyde	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	15	41
					07/20/2021	ND	40	110
					Annual Mean	<40		
					Annual Max	<40		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	13	35
					07/20/2021	ND	34	88
					Annual Mean	<34		
					Annual Max	<34		
	Endrin Aldehyde wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.6	9.6
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.7	9.8
					07/20/2021	ND	9.5	25
					Annual Mean	<9.5		
					Annual Max	<9.5		
	Endrin Ketone	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	16	41
					04/06/2021	ND	820	820
					07/20/2021	ND	42	110
					Annual Mean	<820		
					Annual Max	<820		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14	35
					04/06/2021	ND	710	710
					07/20/2021	ND	35	88
					Annual Mean	<710		
					Annual Max	<710		
	Endrin Ketone wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	190	190
					07/20/2021	ND	10	25
					Annual Mean	<190		
					Annual Max	<190		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	200	200
					07/20/2021	ND	10	25
					Annual Mean	<200		
					Annual Max	<200		
	Endrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.4	9.6
					07/20/2021	ND	9.0	25
					Annual Mean	<9.0		
					Annual Max	<9.0		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.5	9.8
					07/20/2021	ND	9.0	25
					Annual Mean	<9.0		
					Annual Max	<9.0		
	gamma-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	16	41
					07/20/2021	ND	15	110
					Annual Mean	<16		
					Annual Max	<16		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	14	35
					07/20/2021	ND	12	88
					Annual Mean	<14		
					Annual Max	<14		
	gamma-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.8	9.6
					07/20/2021	ND	3.5	25
					Annual Mean	<3.8		
					Annual Max	<3.8		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	3.9	9.8
					07/20/2021	ND	3.5	25
					Annual Mean	<3.9		
					Annual Max	<3.9		
	Heptachlor	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	16	41
					04/06/2021	ND	20	41
					07/20/2021	ND	51	110
					Annual Mean	<51		
					Annual Max	<51		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14	35
					04/06/2021	ND	17	35
					07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	Heptachlor Epoxide	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	16	41
					04/06/2021	ND	14	41
					07/20/2021	ND	36	110
					Annual Mean	<36		
					Annual Max	<36		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14	35
					04/06/2021	ND	12	35
					07/20/2021	ND	30	88
					Annual Mean	<30		
					Annual Max	<30		
	Heptachlor Epoxide wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	3.2	9.6
					07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	3.3	9.8
					07/20/2021	ND	8.5	25
					Annual Mean	<8.5		
					Annual Max	<8.5		
	Heptachlor wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	4.6	9.6
					07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	4.7	9.8
					07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
	Kepone	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	420000	1300000
					04/06/2021	ND	90000	250000
					07/20/2021	ND	42000	120000
					Annual Mean	<420000		
					Annual Max	<420000		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	150000	430000
					04/06/2021	ND	67000	190000
					07/20/2021	ND	71000	200000
					Annual Mean	<150000		
					Annual Max	<150000		
	Kepone wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	100000	300000
					04/06/2021	ND	21000	58000
					07/20/2021	ND	10000	29000
					Annual Mean	<100000		
					Annual Max	<100000		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	41000	120000
					04/06/2021	ND	19000	55000
					07/20/2021	ND	20000	56000
					Annual Mean	<41000		
					Annual Max	<41000		
	Methoxychlor	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	300	820
					07/20/2021	ND	32	210
					Annual Mean	<300		
					Annual Max	<300		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	250	710
					07/20/2021	ND	27	180
					Annual Mean	<250		
					Annual Max	<250		
	Methoxychlor wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	71	190
					07/20/2021	ND	7.5	50
					Annual Mean	<71		
					Annual Max	<71		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	72	200
					07/20/2021	ND	7.5	50
					Annual Mean	<72		
					Annual Max	<72		
	Mirex	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	5500	14000
					04/06/2021	ND	1100	2800
					07/20/2021	ND	550	1400
					Annual Mean	<5500		
					Annual Max	<5500		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	1900	4700
					04/06/2021	ND	850	2200
					07/20/2021	ND	880	2200
					Annual Mean	<1900		
					Annual Max	<1900		
	Mirex wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	1300	3400
					04/06/2021	ND	260	660
					07/20/2021	ND	130	330
					Annual Mean	<1300		
					Annual Max	<1300		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	520	1300
					04/06/2021	ND	240	620
					07/20/2021	ND	250	630
					Annual Mean	<520		
					Annual Max	<520		
	o,p'-DDD	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	600	2800
					07/20/2021	ND	300	1400
					Annual Mean	<600		
					Annual Max	<600		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	460	2200
					07/20/2021	ND	460	2200
					Annual Mean	<460		
					Annual Max	<460		
	o,p'-DDD wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	140	660
					07/20/2021	ND	71	330
					Annual Mean	<140		
					Annual Max	<140		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	130	620
					07/20/2021	ND	130	630
					Annual Mean	<130		
					Annual Max	<130		
	o,p'-DDE	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	1100	2800
					07/20/2021	ND	550	1400
					Annual Mean	<1100		
					Annual Max	<1100		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	850	2200
					07/20/2021	ND	850	2200
					Annual Mean	<850		
					Annual Max	<850		
	o,p'-DDE wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	250	660
					07/20/2021	ND	130	330
					Annual Mean	<250		
					Annual Max	<250		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	240	620
					07/20/2021	ND	240	630
					Annual Mean	<240		
					Annual Max	<240		
	o,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	900	2800
					07/20/2021	ND	420	1400
					Annual Mean	<900		
					Annual Max	<900		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	670	2200
					07/20/2021	ND	710	2200
					Annual Mean	<710		
					Annual Max	<710		
	o,p'-DDT wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	210	660
					07/20/2021	ND	100	330
					Annual Mean	<210		
					Annual Max	<210		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	190	620
					07/20/2021	ND	200	630
					Annual Mean	<200		
					Annual Max	<200		
	p,p'-DDD	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	24 DNQ	20	41
					07/20/2021	ND	51	110
					Annual Mean	29 DNQ		
					Annual Max	24 DNQ		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	17	35
					07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	p,p'-DDD wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	5.6 DNQ	4.6	9.6
					07/20/2021	ND	12	25
					Annual Mean	6.8 DNQ		
					Annual Max	5.6 DNQ		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	4.7	9.8
					07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
	p,p'-DDE	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	18	41
					07/20/2021	ND	46	110
					Annual Mean	<46		
					Annual Max	<46		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	15	35
					07/20/2021	ND	39	88
					Annual Mean	<39		
					Annual Max	<39		
	p,p'-DDE wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	4.2	9.6
					07/20/2021	ND	11	25
					Annual Mean	<11		
					Annual Max	<11		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	4.3	9.8
					07/20/2021	ND	11	25
					Annual Mean	<11		
					Annual Max	<11		
	p,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	ND	290	410
					07/20/2021	ND	76	110
					Annual Mean	<290		
					Annual Max	<290		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	240	350
					07/20/2021	ND	60	88
					Annual Mean	<240		
					Annual Max	<240		
	p,p'-DDT wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	67	96
					07/20/2021	ND	18	25
					Annual Mean	<67		
					Annual Max	<67		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	68	98
					07/20/2021	ND	17	25
					Annual Mean	<68		
					Annual Max	<68		
	Total DDTs	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	12	41
					04/06/2021	24 DNQ	20	41
					07/20/2021	ND	550	1400
					Annual Mean	200 DNQ		
					Annual Max	24 DNQ		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	10	35
					04/06/2021	ND	850	2200
						ND	240	350
						ND	17	35
					07/20/2021	ND	850	2200
					Annual Mean	<850		
					Annual Max	<850		
	Total DDTs wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	5.6 DNQ	4.6	9.6
					07/20/2021	ND	130	330
					Annual Mean	46 DNQ		
					Annual Max	5.6 DNQ		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	2.9	9.8
					04/06/2021	ND	240	620
						ND	68	98
						ND	4.7	9.8
					07/20/2021	ND	240	630
					Annual Mean	<240		
					Annual Max	<240		
	Total Heptachlors	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	16	41
					04/06/2021	ND	20	41
					07/20/2021	ND	51	110
					Annual Mean	<51		
					Annual Max	<51		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	14	35
					04/06/2021	ND	17	35
					07/20/2021	ND	42	88
					Annual Mean	<42		
					Annual Max	<42		
	Total Heptachlors wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	4.6	9.6
					07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	3.9	9.8
					04/06/2021	ND	4.7	9.8
					07/20/2021	ND	12	25
					Annual Mean	<12		
					Annual Max	<12		
	Toxaphene	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	410	1600
					04/06/2021	ND	150	820
					07/20/2021	ND	390	2100
					Annual Mean	<410		
					Annual Max	<410		
		EPA 8081A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	350	1400
					04/06/2021	ND	130	710
					07/20/2021	ND	330	1800
					Annual Mean	<350		
					Annual Max	<350		
	Toxaphene wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	98	390
					04/06/2021	ND	35	190
					07/20/2021	ND	93	500
					Annual Mean	<98		
					Annual Max	<98		
		EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	98	390
					04/06/2021	ND	36	200
					07/20/2021	ND	92	500
					Annual Mean	<98		
					Annual Max	<98		
PCBs	PCB 1016	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	860	1800
					07/20/2021	ND	510	1100
					Annual Mean	<860		
					Annual Max	<860		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	740	1600
					07/20/2021	ND	420	880
					Annual Mean	<740		
					Annual Max	<740		
	PCB 1016 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	200	420
					07/20/2021	ND	120	250
					Annual Mean	<200		
					Annual Max	<200		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	210	440
					07/20/2021	ND	120	250
					Annual Mean	<210		
					Annual Max	<210		
	PCB 1221	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	1000	1800
					07/20/2021	ND	590	1100
					Annual Mean	<1000		
					Annual Max	<1000		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	880	1600
					07/20/2021	ND	490	880
					Annual Mean	<880		
					Annual Max	<880		
	PCB 1221 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	240	420
					07/20/2021	ND	140	250
					Annual Mean	<240		
					Annual Max	<240		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	250	440
					07/20/2021	ND	140	250
					Annual Mean	<250		
					Annual Max	<250		
	PCB 1232	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	1100	1800
					07/20/2021	ND	630	1100
					Annual Mean	<1100		
					Annual Max	<1100		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	990	1600
					07/20/2021	ND	570	880
					Annual Mean	<990		
					Annual Max	<990		
	PCB 1232 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	260	420
					07/20/2021	ND	150	250
					Annual Mean	<260		
					Annual Max	<260		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	280	440
					07/20/2021	ND	160	250
					Annual Mean	<280		
					Annual Max	<280		
	PCB 1242	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	560	1800
					07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	460	1600
					07/20/2021	ND	270	880
					Annual Mean	<460		
					Annual Max	<460		
	PCB 1242 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	130	420
					07/20/2021	ND	75	250
					Annual Mean	<130		
					Annual Max	<130		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	130	440
					07/20/2021	ND	76	250
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1248	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	560	1800
					07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	490	1600
					07/20/2021	ND	280	880
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1248 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	130	420
					07/20/2021	ND	77	250
					Annual Mean	<130		
					Annual Max	<130		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	140	440
					07/20/2021	ND	79	250
					Annual Mean	<140		
					Annual Max	<140		
	PCB 1254	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	560	1800
					07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	490	1600
					07/20/2021	ND	270	880
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1254 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	130	420
					07/20/2021	ND	75	250
					Annual Mean	<130		
					Annual Max	<130		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	140	440
					07/20/2021	ND	77	250
					Annual Mean	<140		
					Annual Max	<140		
	PCB 1260	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	560	1800
					07/20/2021	ND	320	1100
					Annual Mean	<560		
					Annual Max	<560		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	490	1600
					07/20/2021	ND	270	880
					Annual Mean	<490		
					Annual Max	<490		
	PCB 1260 wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	130	420
					07/20/2021	ND	75	250
					Annual Mean	<130		
					Annual Max	<130		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	140	440
					07/20/2021	ND	77	250
					Annual Mean	<140		
					Annual Max	<140		
	Total PCBs	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	140	410
					04/06/2021	ND	1100	1800
					07/20/2021	ND	630	1100
					Annual Mean	<1100		
					Annual Max	<1100		
		EPA 8082	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	120	360
					04/06/2021	ND	990	1600
					07/20/2021	ND	570	880
					Annual Mean	<990		
					Annual Max	<990		
	Total PCBs wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	33	97
					04/06/2021	ND	260	420
					07/20/2021	ND	150	250
					Annual Mean	<260		
					Annual Max	<260		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	34	99
					04/06/2021	ND	280	440
					07/20/2021	ND	160	250
					Annual Mean	<280		
					Annual Max	<280		
Herbicides	2,4,5-TP (Silvex)	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	61	120
					Annual Mean	<61		
					Annual Max	<61		
		EPA 8151A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	53	110
					Annual Mean	<53		
					Annual Max	<53		
	2,4,5-TP (Silvex) wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	14	28.9
					Annual Mean	<14		
					Annual Max	<14		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	15	29.4
					Annual Mean	<15		
					Annual Max	<15		
	2,4-D	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	810	1600
					Annual Mean	<810		
					Annual Max	<810		
		EPA 8151A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	710	1400
					Annual Mean	<710		
					Annual Max	<710		
	2,4-D wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	190	386
					Annual Mean	<190		
					Annual Max	<190		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	200	391
					Annual Mean	<200		
					Annual Max	<200		
	Pentachloro phenol	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/12/2021	ND	81	160
					Annual Mean	<81		
					Annual Max	<81		
		EPA 8151A	µg/kg dry	Plant 2 Dewatering Cake	01/12/2021	ND	71	140
					Annual Mean	<71		
					Annual Max	<71		
	Pentachloro phenol wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/12/2021	ND	19	38.6
					Annual Mean	<19		
					Annual Max	<19		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/12/2021	ND	20	39.1
					Annual Mean	<20		
					Annual Max	<20		

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Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Dioxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g	Plant 1 Dewatering Cake	01/12/2021	ND	0.41	5.1
					04/06/2021	ND	0.24	0.99
					07/20/2021	ND	0.37	4.7
					Annual Mean	<0.41		
					Annual Max	<0.41		
			pg/g dry	Plant 1 Dewatering Cake	01/12/2021	ND	1.7	21
					04/06/2021	ND	1.0	4.2
					07/20/2021	ND	1.6	20
					Annual Mean	<1.7		
					Annual Max	<1.7		
		EPA 1613B	pg/g	Plant 2 Dewatering Cake	01/12/2021	ND	0.23	4.3
					04/06/2021	ND	0.15	1.0
					07/20/2021	ND	0.86	5.0
					Annual Mean	<0.86		
					Annual Max	<0.86		
			pg/g dry	Plant 2 Dewatering Cake	01/12/2021	ND	0.83	15
					04/06/2021	ND	0.53	3.5
					07/20/2021	ND	3.0	18
					Annual Mean	<3.0		
					Annual Max	<3.0		
Other	Asbestos	EPA/600/R-93/116	%	Plant 1 Dewatering Cake	01/12/2021	ND	--	1
					04/06/2021	ND	--	1
					07/20/2021	ND	--	1
					Annual Mean	<1		
					Annual Max	<1		
			% dry weight	Plant 1 Dewatering Cake	01/12/2021	ND	--	4
					04/06/2021	ND	--	4
					07/20/2021	ND	--	4
					Annual Mean	<4		
					Annual Max	<4		
		EPA/600/R-93/116	%	Plant 2 Dewatering Cake	01/12/2021	ND	--	1
					04/06/2021	ND	--	1
					07/20/2021	ND	--	1
					Annual Mean	<1		
					Annual Max	<1		
			% dry weight	Plant 2 Dewatering Cake	01/12/2021	ND	--	4
					04/06/2021	ND	--	4
					07/20/2021	ND	--	4
					Annual Mean	<4		
					Annual Max	<4		
Tentatively Identified Compounds	.Beta.-Sitosterol wet weight	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	90000	--	--
					Annual Mean	90000		
					Annual Max	90000		
	.GAMMA.-SITOSTEROL wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	67000	--	--
					07/20/2021	110000	--	--
					Annual Mean	88000		
					Annual Max	110000		
	17-(1,5-DIMETHYLHEXYL)-	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	07/20/2021	69000	--	--
					Annual Mean	69000		
					Annual Max	69000		
	2,6,10,14,18,22-TETRACOSAHEXAENE, 2,6,10,15,19	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	07/20/2021	140000	--	--
					Annual Mean	140000		
					Annual Max	140000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	51000	--	--
					Annual Mean	51000		
					Annual Max	51000		
	5.ALPHA.-CHOLESTAN-3.BETA.-	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	100000	--	9800
					Annual Mean	100000		
					Annual Max	100000		
	Campesterol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	39000	--	--
					Annual Mean	39000		
					Annual Max	39000		

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	48000	--	--
					Annual Mean	48000		
					Annual Max	48000		
	Cholest-4-en-3-one wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	66000	--	5000
					04/06/2021	49000	--	--
					07/20/2021	100000	--	--
					Annual Mean	72000		
					Annual Max	100000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	210000	--	9800
					04/06/2021	120000	--	--
					07/20/2021	210000	--	--
					Annual Mean	180000		
					Annual Max	210000		
	CHOLESTAN-3.BETA.-OL wet	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	07/20/2021	120000	--	--
					Annual Mean	120000		
					Annual Max	120000		
	CHOLESTAN-3-OL, (3.ALPHA.,5	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	290000	--	--
					Annual Mean	290000		
					Annual Max	290000		
	CHOLESTAN-3-OL, (3.BETA.,5.	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	280000	--	--
					Annual Mean	280000		
					Annual Max	280000		
	Cholestan-3-one wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	07/20/2021	630000	--	--
					Annual Mean	630000		
					Annual Max	630000		
	CHOLESTAN-3-ONE, (5.ALPHA.)-	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	07/20/2021	630000	--	--
					Annual Mean	630000		
					Annual Max	630000		
	Cholestan-3-one, (5.beta.)-	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	340000	--	--
					Annual Mean	340000		
					Annual Max	340000		
	CHOLESTANOL wet weight	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	07/20/2021	95000	--	--
					Annual Mean	95000		
					Annual Max	95000		
	CHOLESTEROL wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	260000	--	--
					Annual Mean	260000		
					Annual Max	260000		
	n-Hexadecanoic acid wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	55000	--	5000
					04/06/2021	50000	--	--
					Annual Mean	52000		
					Annual Max	55000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	98000	--	9800
					07/20/2021	70000	--	--
					Annual Mean	84000		
					Annual Max	98000		
	OCTADECANOIC ACID wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	04/06/2021	48000	--	--
					Annual Mean	48000		
					Annual Max	48000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	04/06/2021	51000	--	--
					Annual Mean	51000		
					Annual Max	51000		
	Squalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/12/2021	77000	--	5000
					Annual Mean	77000		
					Annual Max	77000		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/12/2021	130000	--	9800
					07/20/2021	150000	--	--
					Annual Mean	140000		
					Annual Max	150000		
	Stigmasterol, 22,23-dihydro- wet	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	07/20/2021	100000	--	--
					Annual Mean	100000		
					Annual Max	100000		
	Tetradecane	EPA	µg/kg	Plant 1	01/12/2021	56000	--	5000

Appendix C: Summary of Biosolids Monitoring Results

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

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

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	EPA	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 (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&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-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 disclosed to the public. 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, 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

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? ☑ YES ☐ NO

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 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)

- 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 Nitrogen Analytical Method

  Other Analytical Methods Text Area:

  EPA 300.0

Sludge Management - Land Application

ID: 001

Amount: 5637

Management Practice Detail: Agricultural Land Application

Bulk or Bag/Container: Bulk

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

NPDES ID of handler:

Facility Information:
Tule Ranch / Ag-Tech
4324 E. Ashlan Ave.
Fresno, CA 93726
US

Contact Information:
Kurt Wyrick
Controller
559-222-7736 ext. 102
kurt@westexp.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 1: Aerobic 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 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:** 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-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	=	16	
Cadmium	=	1.2	
Copper	=	530	
Lead	=	5	
Mercury	=	0.75	
Molybdenum	=	18	
Nickel	=	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	

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	=	60.47	

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 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	=	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:** 02/01/2021 **Compliance Monitoring Period End Date:** 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	=	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.

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	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/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	=	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.

Sewage 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
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	52000	

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 04/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	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 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)	10.5	
Cadmium	=	0.925	
Copper	=	510	
Lead	=	8.6	
Mercury	=	0.8	
Nickel	=	46	
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:** 05/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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:** 06/01/2021 **Compliance Monitoring Period End Date:** 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	=	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_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)	9.3	
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

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 Parameter	Value 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

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	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 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. 9 **Compliance Monitoring Period Start Date:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	11	
Cadmium	=	1.2	
Copper	=	550	
Lead	=	8.7	
Mercury	=	0.78	
Molybdenum	=	19	
Nickel	=	31	
Selenium	=	8.3	
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	=	60	

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)	9.05	
Cadmium	=	0.975	
Copper	=	550	
Lead	=	5.8	
Mercury	=	0.705	
Nickel	=	30.5	
Selenium	=	7.65	
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)	=	56500	

Compliance Monitoring Event No. 10 **Compliance Monitoring Period Start Date:** 10/01/2021 **Compliance Monitoring Period End Date:** 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 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)	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:** 11/01/2021 **Compliance Monitoring Period End Date:** 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 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:** 12/01/2021 **Compliance Monitoring Period End Date:** 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	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 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:** 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-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	=	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:** 02/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 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	=	7.1	
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:** 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 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:** 04/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	6.2	
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 Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following

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. 5 **Compliance Monitoring Period Start Date:** 05/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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.

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	=	1.7	
Copper	=	480	
Lead	=	17	
Mercury	<	1	
Nickel	=	32	
Selenium	=	4.6	
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)	=	37000	

Compliance Monitoring Event No. 6 **Compliance Monitoring Period Start Date:** 06/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 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	=	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:** 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_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	=	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.

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:** 08/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 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	=	5.4	
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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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:** 10/01/2021 **Compliance Monitoring Period End Date:** 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 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	

Compliance Monitoring Event No. 11 | **Compliance Monitoring Period Start Date:** 11/01/2021 | **Compliance Monitoring Period End Date:** 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 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	=	6.6	
Cadmium	=	2.4	
Copper	=	400	
Lead	=	14	
Mercury	<	1	
Molybdenum	=	20	
Nickel	=	30	
Selenium	=	8	
Zinc	=	670	

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	=	6.6	
Cadmium	=	2.4	
Copper	=	400	
Lead	=	14	
Mercury	<	1	
Nickel	=	30	
Selenium	=	8	
Zinc	=	670	

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	

Compliance Monitoring Event No. 12 | **Compliance Monitoring Period Start Date:** 12/01/2021 | **Compliance Monitoring Period End Date:** 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	=	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: 004

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
US

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/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:** 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-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	=	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:** 02/01/2021 **Compliance Monitoring Period End Date:** 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	=	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:** 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 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	=	4.9	

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:** 04/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	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	

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

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	
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	

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)	=	29012	

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

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)	=	31006	

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_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	=	4.8	
Cadmium	=	2.4	
Copper	=	230	
Lead	=	22	
Mercury	<	1	
Molybdenum	=	11	
Nickel	=	19	
Selenium	=	7.8	
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	=	4.8	
Cadmium	=	2.4	
Copper	=	230	
Lead	=	22	
Mercury	<	1	
Nickel	=	19	
Selenium	=	7.8	
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)	=	27002	

Compliance Monitoring Event No. 8 | **Compliance Monitoring Period Start Date:** 08/01/2021 | **Compliance Monitoring Period End Date:** 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	=	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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	
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	

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	=	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:** 10/01/2021 **Compliance Monitoring Period End Date:** 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 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

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	=	3.1	
Copper	=	295	
Lead	=	18	
Mercury	<	1	
Nickel	=	25	
Selenium	=	7.9	
Zinc	=	535	

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)	=	28003	

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

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)	=	26003	

Compliance Monitoring Event No. 12 **Compliance Monitoring Period Start Date:** 12/01/2021 **Compliance Monitoring Period End Date:** 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	=	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
PO Box 265
Taft, CA 93268
US

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 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:** 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-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	=	4.8	
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

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	=	3.12	
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	

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)	=	34034	

Compliance Monitoring Event No. 2 **Compliance Monitoring Period Start Date:** 02/01/2021 **Compliance Monitoring Period End Date:** 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	=	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	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	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	

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)	=	33015	

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	=	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:** 04/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	3.9	
Cadmium	=	3.3	
Copper	=	290	
Lead	=	20	
Mercury	<	1	
Molybdenum	=	11.5	
Nickel	=	23.4	
Selenium	=	8	
Zinc	=	484	

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	=	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:** 05/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	3.9	
Copper	=	369	
Lead	=	21	
Mercury	<	1	
Molybdenum	=	11.7	
Nickel	=	28.3	
Selenium	=	8.1	
Zinc	=	510	

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	=	3.1	
Cadmium	=	3.5	
Copper	=	305	
Lead	=	18.6	
Mercury	<	0.6	
Nickel	=	25.2	
Selenium	<	4.12	
Zinc	=	509	

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:** 06/01/2021 **Compliance Monitoring Period End Date:** 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

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	=	3.44	
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	

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)	=	30011	

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_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	=	4.6	
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	

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

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)	=	28014	

Compliance Monitoring Event No. 8 **Compliance Monitoring Period Start Date:** 08/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 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	=	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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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 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	=	3.43	
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:** 10/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	5.1	
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	

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	=	3.7	
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:** 11/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	3.5	
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 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	=	2.7	
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:** 12/01/2021 **Compliance Monitoring Period End Date:** 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	=	4.4	
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

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	=	3.4	
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	

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)	=	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
US

Contact Information:
Craig Geyer
Area Director of Composting
623-936-6328
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/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:** 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-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	=	8.2	
Cadmium	=	1.8	
Copper	=	460	
Lead	=	12	
Mercury	=	1.1	

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	

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	=	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:** 02/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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

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	=	3.5	
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	

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)	=	47026	

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 04/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	2.9	
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 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	=	2.9	
Cadmium	=	0.54	
Copper	=	140	
Lead	=	3.6	
Mercury	=	1.1	
Nickel	=	6.3	
Selenium	=	2.6	
Zinc	=	270	

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)	=	39526	

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 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	=	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:** 06/01/2021 **Compliance Monitoring Period End Date:** 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	=	4.2	
Cadmium	=	0.57	
Copper	=	140	
Lead	=	3.5	
Mercury	=	0.68	
Molybdenum	=	5.7	
Nickel	=	6.3	
Selenium	=	2.8	
Zinc	=	300	

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	=	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:** 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_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	=	3.3	
Cadmium	=	0.69	
Copper	=	170	
Lead	=	4.7	
Mercury	=	0.72	
Molybdenum	=	7	
Nickel	=	6.8	
Selenium	=	3.5	
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	<	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:** 08/01/2021 **Compliance Monitoring Period End Date:** 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

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	=	1.8	
Cadmium	=	0.35	

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	=	87	
Lead	=	3.1	
Mercury	=	0.73	
Nickel	=	4.1	
Selenium	=	2.2	
Zinc	=	230	

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)	=	42427	

Compliance Monitoring Event No. 9 **Compliance Monitoring Period Start Date:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	2.4	
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	

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

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)	=	36127	

Compliance Monitoring Event No. 10 **Compliance Monitoring Period Start Date:** 10/01/2021 **Compliance Monitoring Period End Date:** 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 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 Monitoring Period Start Date:** 11/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	4.7	
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 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	=	4.7	
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:** 12/01/2021 **Compliance Monitoring Period End Date:** 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	=	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	

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	
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? ☐ YES ☑ NO ☐ 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? ☐ YES ☑ NO ☐ 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

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	EPA	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 (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&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-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 disclosed to the public. 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, 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).

14855

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? ☑ YES ☐ NO

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 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)

- 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 Nitrogen Analytical Method

  Other Analytical Methods Text Area:

  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

Contact Information:
Kurt Wyrick
Controller
559-222-7736 ext. 102
kurt@westexp.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen 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 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 ☐ 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	=	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	

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	=	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:** 03/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	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

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

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	

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)	=	48000	

Compliance Monitoring Event No. 3 **Compliance Monitoring Period Start Date:** 05/01/2021 **Compliance Monitoring Period End Date:** 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	=	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.

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	=	56	
Lead	=	6	
Mercury	=	0.6	
Nickel	=	30	
Selenium	=	9	
Zinc	=	780	

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. 4 **Compliance Monitoring Period Start Date:** 07/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 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	
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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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:** 11/01/2021 **Compliance Monitoring Period End Date:** 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	=	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	=	700	

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.

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	=	47	
Lead	=	4	
Mercury	=	0.5	
Nickel	=	26	
Selenium	=	9.3	
Zinc	=	680	

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)	=	46000	

ID: 002

Amount: 744

Management Practice Detail: Agricultural Land Application

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 Hills, 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 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 ☐ 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	=	7.4	
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:** 03/01/2021 **Compliance Monitoring Period End Date:** 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_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	

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:** 05/01/2021 **Compliance Monitoring Period End Date:** 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	=	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 Parameter	Value 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:** 07/01/2021 **Compliance Monitoring Period End Date:** 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	=	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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	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:** 11/01/2021 | **Compliance Monitoring Period End Date:** 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	=	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

Rancho Cucamonga, CA 91739
US

jziegenbein@ieua.org

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 ☐ 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	=	4.8	
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:** 03/01/2021 **Compliance Monitoring Period End Date:** 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_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	=	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 – 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	=	1.8	
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

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	=	7.3	
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:** 07/01/2021 **Compliance Monitoring Period End Date:** 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

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:** 09/01/2021 **Compliance Monitoring Period End Date:** 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 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	=	1.5	
Copper	=	200	
Lead	=	12	
Mercury	<	1	
Molybdenum	=	13	
Nickel	=	18	
Selenium	=	11	
Zinc	=	470	

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	=	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:** 11/01/2021 **Compliance Monitoring Period End Date:** 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

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

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? ☐ YES ☑ NO ☐ 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

APPENDIX E

Arizona Department of Environmental Quality Biosolids Annual Report Form

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

1. **Program Information:** All preparers (Generators) 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 Sanitation 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 your 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 sewage 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. Generator/Preparers - Biosolids 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

☐ 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)

☐ 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**	
Management Practice Type:	Agricultural Land application	
Handler or Preparer Type:	Off-Site Third-Party Handler or Applier	
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	
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	
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	
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 Author*	*Results (if tested)*	*Comments (required if other)*
Pathogens			
Ascaris ova.	No Analytical Method Used	Click here to enter text.	Click here to enter text.
Fecal Coliform	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Helminth ova.	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Salmonella sp. Bacteria	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Total Cultural Viruses	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Metals			
Arsenic	EPA Method 6010 - Arsenic (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Beryllium	Other Beryllium Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendix C.	EPA Method 6010 - Beryllium
Cadmium	EPA Method 6010 - Cadmium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Chromium	EPA Method 6010 - Chromium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, appendices A and C.	Click here to enter text.
Copper	EPA Method 6010 - Copper (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Lead	EPA Method 6010 - Lead (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Mercury	EPA Method 7471 - Mercury (CVAA)	See attached OC San Biosolids Management Compliance	Click here to enter text.

		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.

pH	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.

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

5. Land Applicators: Specific information to be completed by Land Applicators Only

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 Cumulative Concentration of Pollutants (kilograms per hectare) in Soil				
Example: ABC Farms, Aztec AZ	*1A*	*350 tons*	*Aztec WWTP*	*Class B Alt. 2*	*Option 9*	*Tons or Kg/acre*		*Corn*						
1. Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	As=Click here to enter text.	Cd=Click here to enter text.	Cr=Click here to enter text.	Cu=Click here to enter text.	Pb=Click here to enter 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.
2. Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	As=Click here to enter text.	Cd=Click here to enter text.	Cr=Click here to enter text.	Cu=Click here to enter text.	Pb=Click here to enter 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.
	Click here									As=Click here to	Cd=Click here to	Cr=Click here to	Cu=Click here to	Pb=Click here to

3. Click here to enter text.	to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	enter text.	enter text.	enter text.	enter text.	enter 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.
4. Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	As=Click here to enter text.	Cd=Click here to enter text.	Cr=Click here to enter text.	Cu=Click here to enter text.	Pb=Click here to enter 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.
5. Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	As=Click here to enter text.	Cd=Click here to enter text.	Cr=Click here to enter text.	Cu=Click here to enter text.	Pb=Click here to enter 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=

APPENDIX F

Biosolids Program History

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 ·co-disposal 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: http://www.ocgrandjury.org/pdfs/biosolids.pdf.

  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: www.ocsan.gov/bios-policy).

  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 (ocsan.gov/BMP) 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" (www.ocsan.gov/bpten). 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 pre-digestion 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:

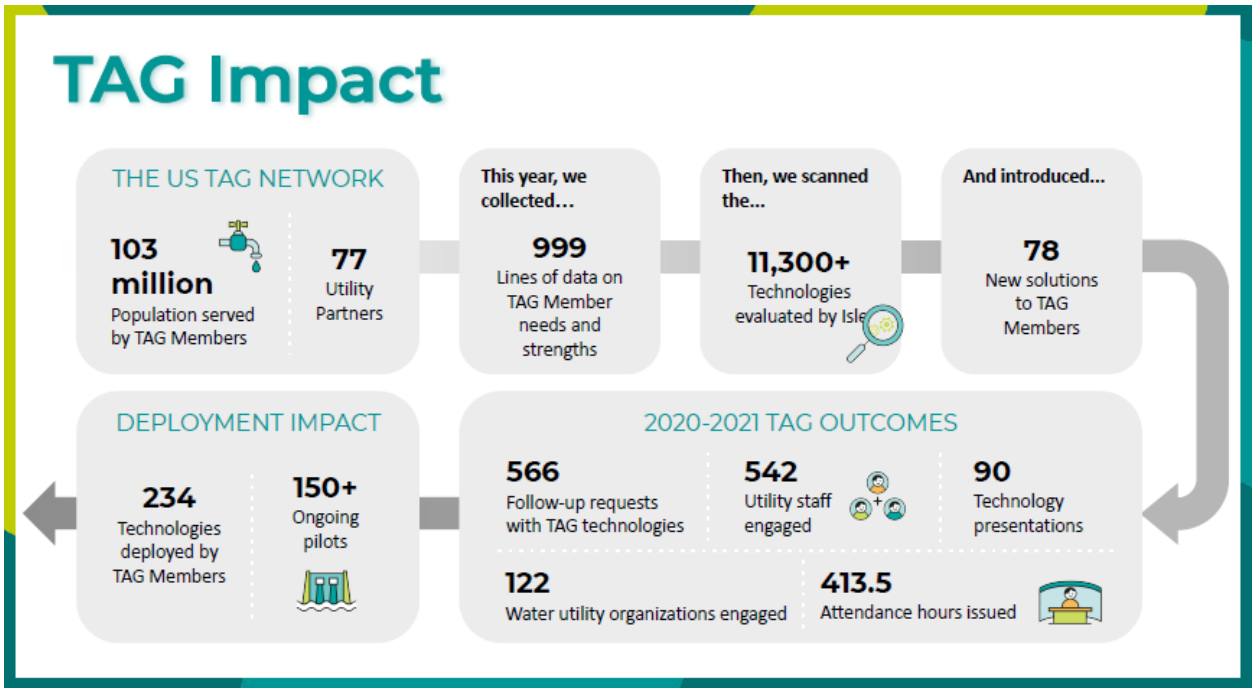
    - Educate and advocate with the local, state, and federal agencies to assure biosolids will continue to be safely and legally used as a soil amendment,
    - Monitor and research constituents of emerging concern such as PFAS and microplastics that may impact biosolids,
    - Stay abreast of new technology 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.

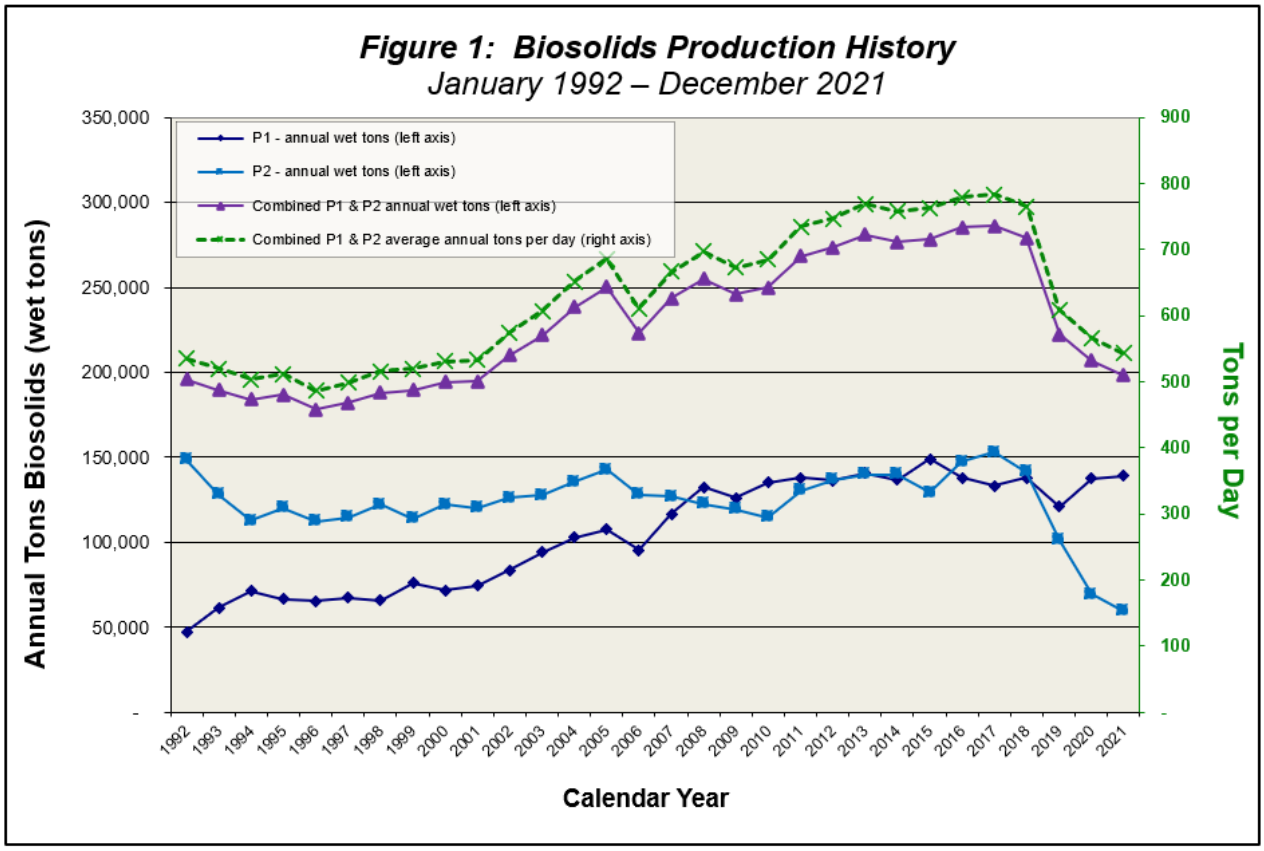
- Research: OC San's Research Program continues to stay abreast of advanced technologies. Isle Utilities facilitates the Technology Advisory Group (TAG) that OC San participates in as an integral part of its Research Program. The TAG screens and evaluates potential beneficial technologies for the wastewater 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 (www.ocsan.gov/about-us/awards-and-honors) 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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