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> Irvine Ranch Water District

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Orange County Sanitation District

10844 Ellis Avenue, Fountain Valley, CA 92708 714.962.2411 • www.ocsd.com

January 29, 2019

Hope Smythe, 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's Annual Compliance Report

Enclosed please find the Orange County Sanitation District's (OCSD) 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. R8-2012-0035.

OCSD has uploaded this report into EPA's biosolids electronic reporting database, and submitted e-mail copies to state and local regulators. A copy of OCSD'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's NPDES Permit No. CA0110604 and 40 CFR part 503, section 503.17 for the submittal of the attached compliance report for calendar year 2018.

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 or comments regarding this packet of information or require any additional data, please contact Deirdre Bingman at (714) 593-7459. I can be reached at (714) 593-7508.

Ronald Coss

Laboratory, Monitoring, and Compliance Manager

RC/DEB:bg

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Our Mission: To protect public health and the environment by providing effective wastewater collection, treatment, and recycling.

Serving:

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January 29, 2019

Andy Koester
Arizona Department of Environmental Quality
Water Permits Section
1110 West Washington Street, 5415-B-3
Phoenix, Arizona 85007

SUBJECT: Orange County Sanitation District's Annual Compliance Report

Enclosed please find the Orange County Sanitation District's (OCSD) 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. R8-2012-0035.

OCSD has uploaded this report into EPA's biosolids electronic reporting database, and submitted e-mail copies to state and local regulators. A copy of OCSD'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 2018.

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 or comments regarding this packet of information or require any additional data, please contact Deirdre Bingman at (714) 593-7459. I can be reached at (714) 593-7508.

Ronald Coss

Laboratory, Monitoring, and Compliance Manager

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Enclosure

Our Mission: To protect public health and the environment by providing effective wastewater collection, treatment, and recycling.

2018 BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

Introduction	1
Organization and Function	1
2018 Accomplishments	
Treatment Plants and Program Updates	
Biosolids Management	
Summary of Pollutants	5
Determination of Hazardousness	
Biosolids Management System	6

APPENDIX A

Table 1: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018, Plant No. 1 Table 2: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018, Plant No. 2 Biosolids Monthly Compliance Report, January – December 2018

APPENDIX B

OCSD's Resource Protection Division, Pretreatment Program's
Annual Report, FY 2017-2018, Solids Management Program, Chapter 9

APPENDIX C

Summary of Priority Pollutants and Trace Constituents Analysis in Biosolids for 2018

APPENDIX D

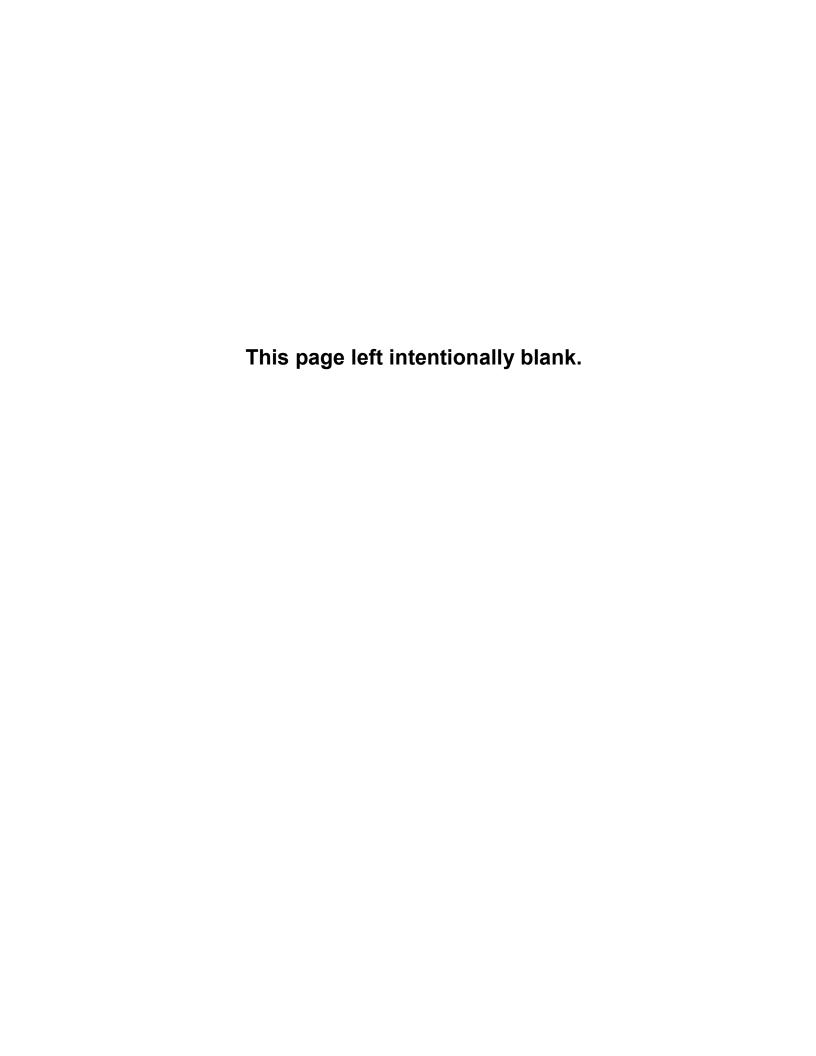
EPA Biosolids Annual Report Electronic Form for Reporting Year 2018, Plant No. 1 EPA Biosolids Annual Report Electronic Form for Reporting Year 2018, Plant No. 2

APPENDIX E

Arizona Department of Environmental Quality Biosolids Annual Report Form for Reporting Year 2018

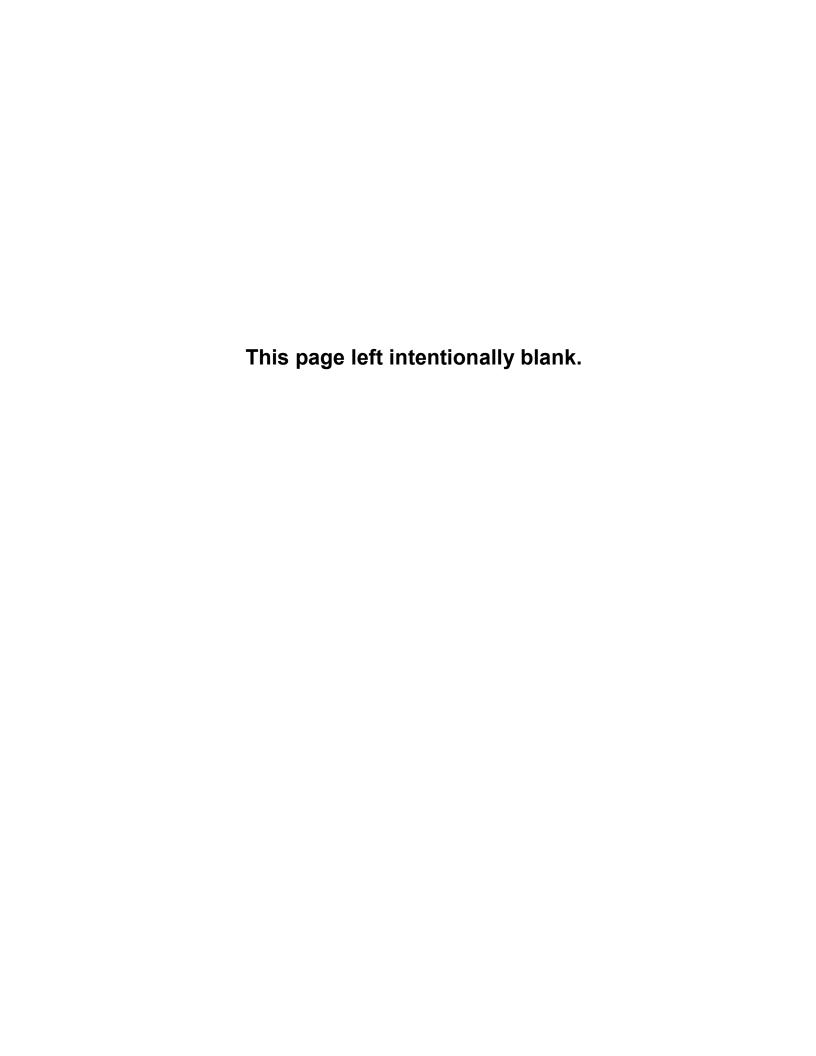
APPENDIX F

Biosolids Program History



2018 BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

Introduction
Organization and Function
2018 Accomplishments
Treatment Plants and Program Updates
Biosolids Management
Summary of Pollutants
Determination of Hazardousness
Biosolids Management System



Introduction

The Orange County Sanitation District (OCSD) treats and manages its biosolids, the nutrient-rich, organic matter recovered through the treatment of wastewater. OCSD's Biosolids Program consists of processes to ensure solids are treated onsite and used offsite (recycled or disposed) in accordance with all regulations and best management practices.

OCSD treats and manages its biosolids in accordance with OCSD's National Pollutant Discharge Elimination System (NPDES) Permit No. CA0110604 (NPDES), Arizona Administrative Code Title 18, Ch. 9, Article 10 (R18-9), and EPA Code of Federal Regulations Title 40 Part 503 (503).

The following sections summarize OCSD's activities and performance for the compliance-reporting period of January 1 to December 31, 2018.

Organization and Function

OCSD is a public agency that provides wastewater collection, treatment, and recycling services for approximately 2.6 million people in central and northwest Orange County. OCSD is a special district that is governed by a Board of Directors consisting of 25 board members appointed from

20 cities, 4 special districts, and 1 representative from the Orange County Board of Supervisors. OCSD has two plants that treat wastewater from residential, commercial and industrial sources.

During this last calendar year OCSD:

- Treated an average daily sewage influent flow of 184 million gallons per day (MGD), down 6 MGD from last year.
- Produced 291,488 wet tons of biosolids (56,010 dry metric tons), which equates
 to an average of 799 wet tons per day of biosolids, including digester cleanings
 managed as biosolids (765 tons per day excluding digester cleanings).

2018 Accomplishments

OCSD accomplishments this year include:

- Recycled of 100% of OCSD's biosolids, including digester cleanings.
- OCSD was awarded with the National Association of Clean Water Agencies (NACWA) Platinum Award. NACWA is the nation's leader in legislative, regulatory and legal advocacy on the full spectrum of clean water issues, as well as a top technical resource for water management, sustainability and ecosystem protection interests. See OCSD's Awards and Honors webpage for many other annual recognitions throughout the agency.

- Project P1-101 began commissioning dewatering centrifuges in November 2018, as featured on the cover of this report.
- OCSD cleaned eight (8) digesters at both plants.
- OCSD's Research Program reviews and funds research projects. The Program includes an ongoing iTAG (international Technology Approval Group) process. The research evaluations and results are summarized in their annual reports (ocsd.com/research).



 As part of the implementation of the 2017 Biosolids Master Plan and as included in the General Manager's Work Plan goal for Fiscal Year 2017-18, OCSD issued a request for proposal for a Professional Design Services Agreement for the Interim Food Waste Receiving Facility Project.

Treatment Plants and Program Updates

Reclamation Plant No. 1, located in the city of Fountain Valley, treated an average of 120 MGD of wastewater. Treatment Plant No. 2, located in the City of Huntington Beach, treated an average of 64 MGD of wastewater during the reporting period.

OCSD provided an average of 119 MGD to the Ground Water Replenishment System (GWRS) and Green Acres Project (GAP), which purify OCSD's secondary treated water from Plant No. 1 to meet drinking water standards for reuse. The GWRS is a joint project of OCSD and the Orange County Water District (OCWD). GWRS is the world's largest system for indirect potable reuse. The system takes highly-treated wastewater that would have previously been discharged into the Pacific Ocean and purifies it using a three-step advanced treatment process. OCWD's GAP is a water reuse effort that provides recycled water for landscape irrigation at parks, schools and golf courses; industrial uses, such as carpet dying; toilet flushing; and power generation cooling.

Plant No. 1 diverted an average of approximately 60,000 cubic feet per day of primary sludge from Plant No. 1 to Plant No. 2 via the inter-plant sludge line. The diversion is anticipated to end after Plant No. 1's centrifuges come online.

OCSD's plants both produce anaerobically digested biosolids to provide 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), respectively. In addition, Tule Ranch/AgTech's standard operating procedure includes incorporation within 6 hours which meets 40 CFR Part 503.33(b)(10) requirement if OCSD's treatment plants fail to meet the Vector Attraction Reduction standard.

OCSD'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%. The resulting biosolids averaged about 19% total solids at Plant No. 1 and 21% total solids at Plant No. 1. More 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.

Digesters 6 and 8 were cleaned at Plant No. 1, and Digesters C, L, N, P, R, and T were cleaned at Plant No. 2 in 2018.

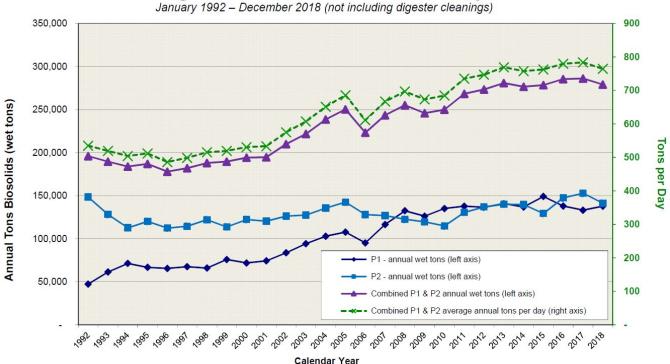


Figure 1: Biosolids Production History

OCSD is commissioning new facilities that will replace the belt filter presses with new dewatering centrifuge facilities at Plant No. 1 and at Plant No. 2. The total percent solids of dewatered biosolids is anticipated to increase significantly in 2019, resulting in approximately one-third fewer wet-weight solids and biosolids trucks to manage. The Plant No. 1 project is also installing pre-digestion centrifuges to thicken primary and secondary solids, so the existing dissolved air floatation thickening units will be decommissioned. Additionally, the project is rehabilitating the Plant No. 1 truck loading facility. Both plants' projects are anticipated to be complete in 2019.

The Irvine Ranch Water District (IRWD) discharges its untreated solids (sludge) to OCSD. IRWD is currently constructing their own solids treatment facility and plans to cease sending their solids to OCSD when IRWD completes start-up of new solids handling facilities, now estimated for years 2019-2020. This cessation is anticipated to reduce Plant No. 1's influent solids by ten to fifteen percent.

Biosolids Management

Biosolids produced at OCSD's two treatment facilities were managed by the contractors listed below in Table 1.

Synagro - Nursery Products
PO Box 1439 Helendale, CA 92342 Contact: Venny Vasquez Phone: (760) 265-5210 Email: vvasquez@SYNAGRO.com
Synagro – Arizona Soils 5615 S. 91st Avenue Tolleson, AZ 85353 Contact: Craig Geyer Phone: (623) 936-6328 Email: CGeyer@SYNAGRO.com
FCFE S5TCF

12645 6th Street

Rancho Cucamonga, CA 91739

Contact: Jeff Ziegenbein Phone: (909) 993-1981 Email: jziegenbein@ieua.org

These biosolids management contractors provide OCSD with diversification and reliability and are therefore important partners to OCSD. Contractors submit their annual compliance reports directly to EPA, in accordance with OCSD's NPDES permit requirements. For this reporting period, OCSD's biosolids were beneficially reused in the areas following in Table 2. More detailed breakdowns are available in Appendices A and D.

Table 2- Biosolids Managed Tonnage Distribution

Out of the Out out to I	Dissille 4	Di(N0	T-4-1	D-1-4: 0/
Quantity Generated	Plant No. 1	Plant No. 2	Total	Relative %
Synagro - Nusery Products CA - (compost) (wet tons)	85,748	17,763	103,511	35.5%
Synagro - Nusery Products CA - (compost) (dry metric tons)	14,608	4,688	19,297	
Synagro AZ Soils (compost) (wet tons)	2,241	5,747.38	7,988	2.7%
Synagro, AZ Soils (compost) (dry metric tons)	840	2,788	3,628	
Liberty Compost CA (wet tons)	34,693	14,828	49,521	17.0%
Liberty Compost CA (dry metric tons)	5,817	2,824	8,641	
Inland Empire Regional Composting (wet tons)	0	13,038	13,038	4.5%
Inland Empire Regional Composting (dry metric tons)	0	2,483	2,483	
Tule Ranch AZ (land application) (wet tons)	17,694	99,737	117,431	40.3%
Tule Ranch AZ (land application) (dry metric tons)	2,939	19,021	21,960	
Total Wet Tons	140,375	151,113	291,488	100%
Total Dry Metric Tons	24,204	31,805	56,010	

Summary of Pollutants

Since 1976, OCSD's Pretreatment Program has been effective in lowering the average mass of metals discharged to the marine environment by 98% and the total mass of metals in the influent sewage by 86%, thereby ensuring OCSD's biosolids can be recycled to farm fields with low metals concentrations. Furthermore, OCSD's influent wastewater meets drinking water standards for metals. Appendix B contains the biosolids chapter of OCSD's Pretreatment Program Annual Report (ocsd.com/SCAnnual, Chapter 9).

OCSD's monthly Biosolids Monthly Compliance Reports (Appendix A) compare the concentration limits of the pollutants listed in 40 CFR 503 to OCSD's average biosolids concentrations for each plant. The average concentrations of all pollutants in OCSD'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.

In accordance with OCSD's NPDES permit, biosolids are also tested semi-annually for all pollutants listed under Section 307(a) of the Clean Water Act. Appendix C contains the summary of the priority pollutants analyzed in the plants' biosolids.

Determination of Hazardousness

Generally speaking, OCSD's biosolids are several orders of magnitude below state and federal hazardous waste limits. However, OCSD performs semi-annual testing of an extensive list of organic and inorganic compounds to verify the continued non-hazardousness of our biosolids.

Legal Definitions

OCSD's 2012 Ocean Discharge NPDES permit requires OCSD to test its biosolids annually for hazardousness in accordance with 40 CFR Part 261. Hazardous waste is also defined under the provisions of California Code of Regulations, Title 22, Chapter 11, Article 5, and Arizona Revised Statutes, Title 49, Chapter 5, Article 2.

Determination

OCSD's biosolids are determined to be non-hazardous based on the following:

- OCSD's biosolids are not ignitable, corrosive, reactive, nor toxic in accordance with the federal regulatory definitions in 40 CFR Part 261.
- OCSD's biosolids are tested at twice annually for the determination of hazardousness. OCSD's biosolids' pollutant concentrations are significantly below the state and federal maximum contaminant concentrations for determining a hazardous waste. See OCSD's biosolids monitoring data in Appendix C, Summary of Priority Pollutants and Trace Constituents Analysis.

Biosolids Management System

OCSD continues to utilize a biosolids management system approach to effectively administer its biosolids program. The following sections highlight OCSD's continued commitment to the biosolids management system.

Communications

OCSD has continued transparent communications during this reporting period.

- Monthly compliance reports and data are posted online (ocsd.com/nani).
- Two interested party newsletters were emailed and posted on OCSD's website (https://www.ocsd.com/education/biosolids-program/e-newsletter-updates).
- OCSD shared timely updates including the annual compliance report, new biosolids videos, updated OCSD resources such as the biosolids allocation map and Biosolids Contractor Requirements document, as well as when a biosolids compliance audit request for proposals was announced.

Contractor Oversight Program

OCSD has continued our strong contractor oversight program:

- No NOVs (Notice of Violations) for OCSD's active biosolids contractors;
- Performed 12 contractor site inspections;
- Addressed and closed out 4 contractor issues;
- Addressed and closed out one inspection finding (one was reopened and is currently being addressed);
- Addressed and closed out 3 odor complaints (of which 2 were unfounded);
- Performed 55 hauling inspections, which reached 42 out of 52 active drivers (81%) this year. There are 11 active drivers (21%) who have earned a place on OCSD's "Honor Roll" for excellence in their truck cleanliness, knowledge of biosolids and emergency protocol by successfully passing 3 consecutive hauler inspections; and
- One contractor offsite incident occurred in January 2018, in which an estimated of 5 tons of biosolids were released and recovered. The final report was submitted to Regional Water Control Board having jurisdiction in the area.

Goals and Targets

The 2014 – 2019 Five Year Strategic Plan is a guiding document that provides a framework that directs our work. Every two years, the Strategic Plan will be reassessed, updated, and submitted for approval by the Board of Directors. The 2017 Strategic Plan Update began with a consultant retained by OCSD conducting confidential interviews with interested Board members to identify issues or concerns. The Strategic Plan Update continued with a workshop and presentation of two issue papers. The Update concluded with two Strategic Goals being identified as completed, no new goals being adopted, and no modifications being made to OCSD's levels of service. See www.ocsd.com/5yearstrategicplan or the OCSD Strategic Planning website (https://www.ocsd.com/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, OCSD Resolution 13-03

(<u>www.ocsd.com/policy</u>), and OCSD's performance relative to these commitments are reported below.

Table 3 – Polic	cy Performance
Policy Commitment	2018 Performance
Commit to sustainable biosolids program. Support the recycling of biosolids.	OCSD has demonstrated effective pretreatment, water and solids treatment operations, compliance, capital improvements, technology research and planning, and biosolids contractor oversight programs. See this year's accomplishments at the beginning of this report.
Strive to balance financial, environmental, and societal considerations when making biosolids decisions.	On a day-to-day basis, OCSD is weighing these considerations and looking out for issues that would alter the balance. For instance, allocating our biosolids to our diverse locations considers this "triple bottom line," but also considers contractors performance and the 2017 Master Plan's Ten Tenets.
Utilize a biosolids management system to maintain a sustainable and publicly supported biosolids program.	OCSD continues to maintain our biosolids management system as outlined in this section. OCSD is currently listed as a Graduate of the National Biosolids Partnership's certification program (www.biosolids.org).
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 Ten Tenets reporting table below. OCSD maintained more than 10 times (1000%) our daily biosolids production in failsafe facility capacity. OCSD also maintained about 33% extra hauling capacity.
Research and implement ways to reduce the volume of biosolids at the treatment plants to minimize the need for offsite management.	As mentioned in the "Treatment Plants and Program Updates" section above, OCSD's production of biosolids is anticipated to drop by about one-third once the centrifuges are fully commissioned in 2019. OCSD's Research program actively seeks opportunities for process area improvements, including solids. OCSD is continuing to monitor the Supercritical Water Oxidation technology (www.scfi.eu) and the progress towards a feasible pilot plant.
Support continuing research of biosolids benefits and potential safety concerns.	OCSD continued our support of the Northwest Biosolids' library (www.nwbiosolids.org). The library contains references to over 2,600 biosolids-related research articles references.

Table 3 – Police	cy Performance
Policy Commitment	2018 Performance
	Northwest Biosolids sends a monthly theme-based, relevant summary of research to its members, so we can easily digest pertinent scientific information and better communicate with interested parties. Northwest Biosolids also has a free monthly e-Bulletin for non-members. In 2015, based on extensive research, the Northwest Biosolids association published a public-friendly risk brochure explaining how long it takes for workers and other "exposed populations" to accumulate a dose-equivalent of pharmaceuticals or personal care products from exposure to biosolids (most in the thousands to hundred-thousands of years). This publication remains one of the best references to address emerging constituents of concern.
	OCSD updated our outreach video in 2018, and included expanded information on the safety of biosolids. Biosolids 2-part video. Part 1: How biosolids are created from sewage treatment plant solids, OCSD's biosolids production, and where OCSD's biosolids are recycled. Part 2: Biosolids benefits and safety and the onsite processes used to land apply and compost biosolids.
7. Demonstrate the benefits of biosolids compost by using it at the District's facilities.	OCSD maintains compost piles at each plant. This compost is available to our employees and our landscape contractor to demonstrate the benefits of compost. OCSD encourages employees to share their compost use photos. OCSD continues to long-term monitoring of our composted biosolids demonstration planter that contains drought-tolerant and native species.

<u>Ten Tenets of OCSD's Biosolids Management Plan</u>
Read more on OCSD's Ten Tenets and the Biosolids Master Plan at <u>ocsd.com/bmp</u>.

Table 4 – Ten Tene	ts of Biosolids Management Performance
Policy Commitment	2018 Performance
Allocate up to 50 percent of biosolids per biosolids contractor.	Each contractor received less than 50% of OCSD's biosolids. See Table 2 for relative tonnage distribution this year. See OCSD's current map of where OCSD's biosolids are allocated at ocsd.com/map .
Allocate up to 50 percent of biosolids to each geographic end use market.	Sixty percent (60%) of OCSD's biosolids were are turned into compost at four (4) regional facilities. Combined, these facilities' distributed over 246,740 tons of composted biosolids in the following geographic markets: • 39.5% (net 24% including land application biosolids below) to Riverside County, • 35% (net 21%) to Kern County, • 8.9% (net 5.3%) to Los Angeles County, • 7.5% (net 4.5%) to San Bernardino County, • 5.3% (net 3.2%) to Arizona, Maricopa County,

	Table 4 – Ten Tene	ts of Biosolids Management Performance
	Policy Commitment	2018 Performance
		 2.2% (net 1.3%) to San Diego, 1.5% (net 0.9%) to Orange County, and 0.2% (net 0.1%) Madera County. The remaining 40% of OCSD's biosolids were used to raise crops, producing 2,316 tons of seed and ethanol crops for use in Arizona.
3.	Maintain at least three (3) different biosolids management facilities at any time.	OCSD maintained five (5) different management facilities. See Table 2 for relative tonnage distribution this year. See OCSD's current map of where OCSD's biosolids are allocated at ocsd.com/map .
4.	Maintain at least two (2) different biosolids management practices at any time.	OCSD maintained two (2) different management practices, composting and land application (direct farming of feed crops with biosolids). See Table 2 for relative tonnage distribution this year. See OCSD's current map of where OCSD's biosolids are allocated at ocsd.com/map .
5.	Maintain at least two (2) different hauling companies within the biosolids management portfolio.	OCSD and its biosolids management contractors utilized three (3) different hauling companies (GIC, Tule Ranch/Western Express, and Denali).
6.	Maintain at least 200 percent contingency capacity at end use sites.	OCSD maintained an average of about 1100% contingency capacity.
7.	Maintain 20 percent fail- safe hauling capacity.	OCSD maintained an average of 33% fail-safe hauling capacity.
8.	Track and encourage development of emerging markets and/or end uses for biosolids, especially for local end use options.	OCSD entered discussions with Anaergia, who is planning to redevelop a Rialto facility to receive food waste and biosolids to produce electricity and biochar. The facility is expected to come online in 2020. OCSD also had discussions with potential partners in Imperial County and are tracking Irvine Ranch Water District's dryer and Los Angeles County Sanitation District's composting facility in Kings County.
		In 2018, OCSD's composting partner, Inland Empire Regional Composting Authority (IERCA), expanded their buy-back program to OCSD member cities and agencies. This program offers discounted compost to incentivize the local use of compost. IERCA provided bagged compost for OCSD's "State of the District" event, and the two agencies' staff informed attendees of the need to buy-back locally-sourced organics.
9.	Allocate up to 10 percent of total biosolids production for participation in emerging markets, including	In 2018, OCSD added Anaergia as a location to our hauling contract (see previous item also). No tonnage was allocated to emerging markets or pilots this year, however, OCSD is aware and monitoring several potential opportunities for future allocation of OCSD's biosolids.

Table 4 – Ten Tene	ts of Biosolids Management Performance
Policy Commitment	2018 Performance
participation in pilot or	
demonstration projects.	
10. Explore partnerships with	OCSD is following the work being done by San Francisco Public
area soil blenders to	Utilities Commission to research and develop their temperature-
allow incorporation of	phase anaerobically digested biosolids soil blend product research, recipe, and roll-out the product to local markets.
OCSD's Class A product	OCSD's efforts will follow suit at the appropriate time since
into local markets.	OCSD facilities are expected to be commissioned in about 2030.



OCSD Plant No. 2 Biosolids Demonstration Planter

APPENDIX A

Table 1: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018, Plant No. 1 Table 2: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018, Plant No. 2

Biosolids Monthly Compliance Report, January - December 2018

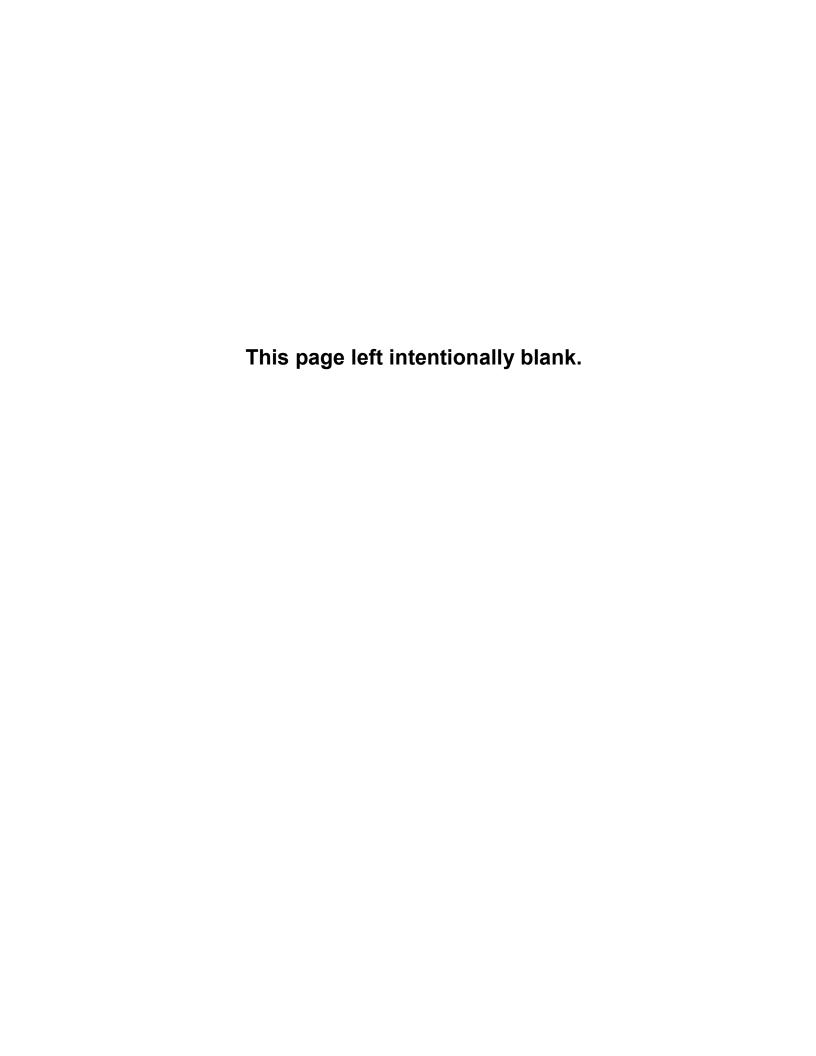


Table 1: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018

Reclamation Plant No. 1, Fountain Valley, CA

				176	Ciamat	OII I Iai	110.	i, i ouii	taiii va	iley, Cr	٦			
Process Assessment	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average	
Biosolids Total Solids (%)	18	18	19	18	18	19	20	19	19	19	18	17	19	
Quantity Generated	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Tot	al
Synagro - Nusery Products CA - compost (wet tons)	8,840	7,924	8,823	7,558	732	4,265	8,303	8,115	7,387	7,837	7,756	7,605	85,145	
Synagro - Nusery Products CA - compost (dry metric tons)	1,443	1,294	1,520	1,234	119	735	1,506	1,398	1,273	1,351	1,266	1,173	14,312.7	
Synagro-AZ Soils-compost (wet tons)	0	0	0	0	0	0	98	0	0	0	267	348	713	Total
Synagro - AZ Soils-compost (dry metric tons)	0	0	0	0	0	0	18	0	0	0	44	54	115.1	Wet Tons
Tule Ranch AZ - land application (wet tons)	0	0	0	408	10,272	5,555	0	0	125	372	444	518	17,694	140,375
Tule Ranch AZ - land application (dry metric tons)	0	0	0	67	1,677	957	0	0	22	64	73	80	2,938.9	
Liberty Compost CA (wet tons)	4,163	3,280	3,676	2,780	885	2,075	3,144	2,794	2,606	2,881	2,926	3,483	34,693	
Liberty Compost CA (dry metric tons)	680	536	634	454	144	358	570	481	449	496	478	537	5,816.6	
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	0.0	
Total Wet Tons	13,003	11,204	12,499	10,745	11,889	11,895	11,545	10,908	10,119	11,089	11,393	11,955	138,244	
Total Dry Metric Tons	2,123	1,829	2,154	1,754	1,941	2,050	2,094	1,880	1,744	1,911	1,860	1,843	23,183.3	
Digester Cleanings	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
D'			Dig 8	Dig 8 & 6	Dig 6									
Digester Cleaning Total Solids Synagro AZ Soils (average)			46.0%	53.3%	57.9%									
Synagro AZ Soils (compost) (wet tons) (digester cleanings only)	0	0	349	949	229	0	0	0	0	0	0	0	1,527	Dry Tons
Synagro, AZ Soils (compost) (dry metric tons) (digester cleanings only)	0	0	147	459	120	0	0	0	0	0	0	0	725.1	24,204.1
Digester Cleaning Total Solids Synagro Nursery Products (average)			48.1%	55.8%	56.4%									
Synagro Nursery Products (compost) (wet tons) (digester cleanings only)	0	0	146	384	74	0	0	0	0	0	0	0	603	
Synagro, Nursery Products (compost) (dry metric tons) (digester cleanings only)	0	0	64	194	38	0	0	0	0	0	0	0	295.7	
Total Wet Tons (Biosolids plus Digester Cleanings)	13,003	11,204	12,994	12,079	12,192	11,895	11,545	10,908	10,119	11,089	11,393	11,955	140,375	
Total Dry Metric Tons (Biosolids plus Digester Cleanings)	2,123	1,829	2,364	2,407	2,099	2,050	2,094	1,880	1,744	1,911	1,860	1,843	24.204	

Table 2: OCSD Biosolids Wet and Dry Tonnage Distribution for 2018

Wastewater Treatment Plant No. 2, Huntington Beach, CA

			vvasu	ewater	reaum	ent Pia	nt No.	z, muni	ington	beach,	, CA			
Process Assessment	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average	
Biosolids Total Solids (%)	21	20	22	21	21	21	22	21	21	21	21	20	21	
Quantity Generated	Jan	Feb	Mar	Amril	May	June	lube	A	Con	Oct	Nov	Nov Dec		al
Synagro - Nusery Products CA -	Jan	reb	War	April	May	June	July	Aug	Sep	Oct	NOV	Dec		
compost (wet tons)	0	177	101	832	8,330	3,898	126	202	0	25	0	0	13,692	
Synagro - Nusery Products CA - compost (dry metric tons)	0	32	20	158	1,587	743	25	38	0	5	0	0	2,608.4	
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	0.0	Total
Tule Ranch AZ - land application (wet tons)	9,428	8,148	10,131	9,514	181	4,176	10,003	10,352	9,441	9,748	9,330	9,285	99,737	Wet Tons
Tule Ranch AZ - land application (dry metric tons)	1,796	1,478	2,022	1,812	34	795	1,996	1,972	1,798	1,857	1,777	1,684	19,021.4	151,113
Liberty Compost CA (wet tons)	807	1,590	782	1,112	4,040	1,717	607	1,061	1,112	989	583	428	14,828	
Liberty Compost CA (dry metric tons)	154	303	149	212	770	327	116	202	212	188	111	82	2,824.3	
Inland Empire Regional Composting (wet tons)	1,381	1,456	1,283	991	1,090	933	1,053	1,124	950	1,096	927	752	13,038	
Inland Empire Regional Composting (dry metric tons)	263	277	244	189	208	178	201	214	181	209	176	143	2,483.3	
Total Wet Tons	11,617	11,371	12,298	12,450	13,641	10,724	11,789	12,739	11,503	11,858	10,840	10,465	141,295	
Total Dry Metric Tons	2,213	2,090	2,435	2,371	2,598	2,043	2,337	2,426	2,191	2,259	2,065	1,909	26,937.3	
Digester Cleanings														
	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total	
Digester Cleaning Total Solids Synagro AZ Soils (average)	Dig C & L 40.3%	Dig L 55.8%	Dig L 60.0%		Dig R 24.2%	Dig R 55.4%		Dig T 53.9%	Dig P 52.3%	Dig P 60.7%	Dig P & N 56.0%			Dry Tons
Synagro AZ Soils (average) Synagro AZ Soils (compost)	40.3%	55.6%	60.0%		24.2%	55.4%		53.9%	52.3%	60.7%	56.0%			
(wet tons) (digester cleanings only)	444	917	257	0	373	762	0	514	313	1400	768	0	5,747	31,805.4
Synagro, AZ Soils (compost) (dry metric tons) (digester cleanings only)	160	464	140	0	82	383	0	251	149	771	390	0	2,788.2	
Digester Cleaning Total Solids Synagro Nursery Products	48.6%	55.7%	60.2%		25.3%	56.5%		58.2%	55.7%	CO 79/	57.3%			
(average) Synagro Nursery Products	40.0 //	55.7 /6	60.276		25.5 %	30.3 /6		30.2 /6	55.7 /6	60.7%	57.3/6			
(compost) (wet tons) (digester cleanings only)	244	603	117	0	69	579	0	671	244	992	552	0	4,071	
Synagro, Nursery Products (compost)														
(dry metric tons) (digester cleanings only)	88	305	64	0	16	297	0	354	123	547	287	0	2,079.8	
Total Wet Tons (Biosolids plus Digester Cleanings)	12,305	12,890	12,671	12,450	14,083	12,065	11,789	13,924	12,060	14,250	12,160	10,465	151,113	
Total Dry Metric Tons (Biosolids plus Digester	0.404	0.070	0.000	0.074	0.000	0.700	0.00=	0.024	0.400	2.570	0.744	4.000	24 225	
Cleanings)	2,461	2,859	2,639	2,371	2,696	2,722	2,337	3,031	2,463	3,576	2,741	1,909	31,805	

FOOTNOTE: Digester cleanings percent total solids are sampled for each truck to calculate the dry metric tons for each truckload. The total dry metric tons reported above are based on the totals of each truckload's dry metric tons and may therefore vary slightly compared multiplying the average percent total solids times the total wet tons and conversion factor of 0.907.



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

Monitoring Period: January 1- 31, 2018

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): 01/23/18,01/30/18

	Mercury (mg/kg dry)		·	Chromium (mg/kg dry)	Copper (mg/kg dry)		Molybdenum (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)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min ¹	0.74	12 DNQ	3.3	36	420	12	14	36	<3.1	580	6,300	59,000	65,000	7.9	18	58
Plant 1 Avg	0.72	10 DNQ	2.6 DNQ	31	340	10	11 DNQ	33	<3.1	510	6,200	55,000	61,000		18	
Plant 2 Max/Min ¹	0.84	14	5,6	45	430	13	14	32	<2.7	680	5,500	47,000	52,000	8.0	21	63
Plant 2 Avg	0.81	13 DNQ	5.4	41	390	12	13	31	<2.7	650	5,500	47,000	52,000		21	
Table 1 (Max/Min) ¹	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) ²	21	Out of Service	Out of Service	20	20	21	21	21	21	21	21
Minimum Temperature (Min 95 °F)	97		Out of Service	98	98	97	97	97	97	97	97

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) ²	24	28 ³	23	Out of Service	23	23	Out of Service	23	24	244	25	23	23	23	22	22	23	24
Minimum Temperature (Min 95 °F)	97	100	98	Out of Service	100	99	Out of Service	100	101	98	98	98	99	98	100	98	97	98



Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA Monitoring Period: January 1-31, 2018

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

1 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).

² MCRT based on a 15-Day Rolling Average.

- ³. Digester C was taken out of service for cleaning and maintenance on January 2, 2018.
- ⁴ Digester L was taken out of service for cleaning and maintenance on January 23, 2018.

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.

4/6/2018

James Spears

jspears@ocsd.com

Operations Manager

(714)593-7081

Signed by: Spears, Jim

Ronald Coss

rcoss@ocsd.com

4/4/2018

Lab, Mon. & Compliance Mgr (714)593-7508

Signed by: Coss, Ronald



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

Monitoring Period: February 1-28, 2018

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): 02/20/18, 02/27/18

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)			Lead (mg/kg dry)	Molybdenum (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)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.0	14 DNQ	3.9	39	510	14	16	39	<3.3	620	6,700	56,000	63,000	7.8	17	55
Plant 1 Avg	0.89	12 DNQ	3.4	37	480	13	15	37	<3.3	620	6,500	55,000	61,000	3	18	
Plant 2 Max/Min*	0.96	13 DNQ	7.7	59	510	16	16	38	<2.9	770	6,300	58,000	63,000	8.0	19	48
Plant 2 Avg	0.79	13 DNQ	7.3	54	510	16	16	38	<2.9	750	5,900	50,000	56,000	W	20	4.5
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	Out of Service	Out of Service	21	21	22	22	22	22	22	22
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	98	97	97	98	97	98	98

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	21	Out of Service	22	Out of Service	21	21	Out of Service	20	21	Out of Service	22	21	21	21	21	21	21	22
Minimum Temperature (Min 95 °F)	96	Out of Service	96	Out of Service	96	96	Out of Service	100	100	Out of Service	98	98	97	98	100	98	98	96



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

Monitoring Period: February 1-28, 2018

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.

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 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.

Operations Manager

jspears@ocsd.com (714) 593-7081 Laboratory, Monitoring & Compliance Manager

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Reviewers:

Cindy Vellucci
Cindy Vellucci (May 1, 2018)

Deirdre Bingman
Deirdre Bingman (May 1, 2018)

Red V- Exl

Margil Jimenez
Aargil Jimenez (May 4, 2018)



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

Monitoring Period: March 1-31, 2018

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): 03/20/18, 03/27/18

	Mercury (mg/kg dry)			Chromlum (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Nitrogen		рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.3	11 DNQ	1.8 DNQ	29	320	9.5	10 DNQ	36	<3.1	480	6,700	65,000	72,000	7.9	18	57
Plant 1 Avg	0.98	10 DNQ	1.7 DNQ	27	320	8,9	10 DNQ	32	<3.1	470	6,400	56,000	62,000	-BEE	19	
Plant 2 Max/Min*	0.77	15	4.4	44	440	10	16	37	<2.7	650	5,500	53,000	58,000	8.0	21	64
Plant 2 Avg	0.74	12 DNQ	4.1	39	380	10	14	33	<2.7	590	5,500	43,000	48,000		22	MIT.
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	Out of Service	Out of Service	23	23	24	24	23	23	23	23
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	98	97	98	98	98	98	98

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig, T
Minimum Mean Cell Residence Time (Min 15 days)**	19	Out of Service	18	Out of Service	18	18	Out of Service	18	18	Out of Service	19	18	18	18	18	18	21	19
Minimum Temperature (Min 95 °F)	97	Out of Service	99	Out of Service	97	99	Out of Service	100	101	Out of Service	98	97	97	99	99	98	99	98

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

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

^{*} 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).

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

Monitoring Period: March 1- 31, 2018

Certifications:

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

503 Class B: I certify, under penalty of law, that the Class B pathogen requirements in 503,32(b) and the vector attraction reduction requirement in 503,33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

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

Jim Spears Operations Manager

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Reviewers

Cindy Velluci (May 30, 2018)

Deirdre Bingman

Ridel V- Exl

Rachel van Exel

Margil Jimenez
Margil Jimenez (May 31, 2018)



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

Monitoring Period: April 1- 30, 2018

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): <u>04/17/18</u>, <u>04/24/18</u>

	Mercury (mg/kg dry)			Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min ¹	0.78	17	2.3 DNQ	37	500	26	17	34	<3.1	630	6,500	52,000	58,000	8.0	18	63
Plant 1 Avg	0.77	16 DNQ	2.2 DNQ	37	490	19	16	34	<3.1	630	6,300	51,000	57,000		18	
Plant 2 Max/Min ¹	0.97	17	3.6	46	540	16	19	40	<2.8	780	5,900	45,000	51,000	8.0	20	56
Plant 2 Avg	0.92	16	3.5	46	520	16	18	39	<2.8	770	5,800	44,000	50,000	Thus.	21	
Table 1 (Max/Min) ¹	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) ²	25	Out of Service	Out of Service	24	24	25	25	24	25	25	25
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	97	98	97	98	98	97	97	98

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) ²	19	Out of Service	18	Out of Service	18	18	Out of Service	18	18	Out of Service	18	18	18	18	18	18	293	18
Minimum Temperature (Min 95 °F)	97	Out of Service	102	Out of Service	101	100	Out of Service	100	100	Out of Service	100	99	99	100	99	100	98	97

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

¹ 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).

² MCRT based on a 15-Day Rolling Average.

³ Digester S was being fed significantly less because a pump was being replaced, therefore it had a higher detention time.



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

Monitoring Period: April 1-30, 2018

Certifications:

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

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

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

Jim Spears
Operations Manager

jspears@ocsd.com (714) 593-7081 Ron Coss Laboratory, Monitoring & Compliance Manager rcoss@ocsd.com (714) 593-7508

Reviewers

Cindy Vellucci Cindy Vellucci (Jun 26, 2018) DP

Redel V-Exl

Margil Jimenez Margil Imenez (Jun 27, 2018)

Deirdre Bingman

Rachel van Exel



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

Monitoring Period: May 1-31, 2018

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): <u>05/15/18, 05/22/18</u>

	Mercury (mg/kg dry)	4.7	Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	(mg/kg dry)		Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.2	16	1.9 DNQ	38	500	14	16	34	<3.2	660	6,700	48,000	54,000	7.6	18	56
Plant 1 Avg	1.0	15 DNQ	1.9 DNQ	38	500	14	16	34	<3.2	640	6,300	48,000	54,000	i mi	18	93
Plant 2 Max/Min*	0.78	15	2.6	43	500	15	17	33	<2.7	710	5,700	44,000	50,000	7.6	20	56
Plant 2 Avg	0.77	15	2.5	42	500	15	17	33	<2.7	680	5,600	43,000	49,000		21	
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)**	20	Out of Service	Out of Service	20	20	20	20	19	20	20	20
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	97	98	97	98	98	98	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)**	17	Out of Service	17	Out of Service	17	17	Out of Service	17	17	Out of Service	17	17	17	17	17	Out of Service	17	17
Minimum Temperature (Min 95 °F)	98	Out of Service	102	Out of Service	101	100	Out of Service	100	100	Out of Service	99	98	99	101	100	Out of Service	101	98

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

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

^{*} 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).



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

Monitoring Period: May 1-31, 2018

Certifications:

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

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

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

Jim Spears

Operations Manager

jspears@ocsd.com (714) 593-7081

Ron Coss Laboratory, Monitoring &

Compliance Manager

rcoss@ocsd.com (714) 593-7508

Reviewers

Cindy Vellucci
Cindy Vellucci (Jul 25, 2018)

DB

Ridel V- Exl

Margil Jimenez Margil Jimenez (Jul 30, 2018)

Deirdre Bingman

Rachel van Exel



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

Monitoring Period: June 1- 30, 2018

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): 06/12/18, 06/19/18

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)	777	Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	2.0	22	1.7	36	480	13	18	40	<2.8	670	7,100	54,000	61,000	7.7	17	57
Plant 1 Avg	1.4	19	1.8 DNQ	31	440	12	16	34	<2.8	600	6,600	53,000	59,000		19	
Plant 2 Max/Min*	0.98	21	2.9	44	490	15	21	3 9	<2.8	760	6,300	43,000	49,000	7.8	20	56
Plant 2 Avg	0.92	20 DNQ	2.6	38	440	13	18	34	<2.8	650	6,000	43,000	49,000		21	
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)**	19	Out of Service	Out of Service	18	18	19	19	18	19	19	19
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	97	98	98	98	98	98	98

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	18	Out of Service	18	Out of Service	18	18	Out of Service	18	17	Out of Service	17	18	18	18	17	Out of Service	18	18
Minimum Temperature (Min 95 °F)	98	Out of Service	99	Out of Service	100	100	Out of Service	98	98	Out of Service	98	98	100	100	99	Out of Service	100	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.



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

Monitoring Period: June 1-30, 2018

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

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

> Jim Spears Operations Manager

jspears@ocsd.com (714) 593-7081

Ron Coss Laboratory, Monitoring & Compliance Manager

rcoss@ocsd.com (714) 593-7508

Reviewers

Deirdre Bingman

Rachel van Exe



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

Monitoring Period: July 1-31, 2018

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): <u>07/17/18, 07/24/18</u>

	Mercury (mg/kg dry)		Cadmlum (mg/kg dry)			Lead (mg/kg dry)	Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min ¹	0.71	20	1.7 DNQ	34	440	12	16	33	<2.8	580	5,900	49,000	55,000	7.6	20	54
Plant 1 Avg	0.68	20	1.7 DNQ	33	430	12	16	32	<2.8	580	5,900	48,000	54,000		20	
Plant 2 Max/Min ¹	0.92	20	2.9	46	510	14	19	35	<2.6	730	5,300	42,000	47,000	7.6	21	58
Plant 2 Avg	0.76	20	2.8	43	500	14	18	33	<2.6	700	5,300	41,000	46,000	100	22	
Table 1 (Max/Min) ¹	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) ²	20	Out of Service	Out of Service	19	19	20	20	20	20	20	20
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	98	98	98	98	98	98	98

OCSD Plant 2	System Summary		Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) ²	18	89 3	18	Out of Service	18	18	Out of Service	17	17	19	18	17	18	18	18	Out of Service	18	18
Minimum Temperature (Min 95 °F)	96	96	99	Out of Service	100	99	Out of Service	98	98	99	99	97	100	100	100	Out of Service	99	100

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

MCRT based on a 15-Day Rolling Average.
 Digester C started coming online, but had to be taken back out to address a mechanical issue.

¹ 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).

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

Monitoring Period: July 1- 31, 2018

Certifications:

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

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

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

Jim Spears Operations Manager

jspears@ocsd.com (714) 593-7081 Ron Coss Laboratory, Monitoring & Compliance Manager rcoss@ocsd.com (714) 593-7508

Reviewers

Cindy Vellucci
Gindy Vellucci (Oct. 11, 2018)

DPJ

RedUV-Eal

Margil Jimenez
Margil Imenez (Oct 11, 2018)

Deirdre Bingman

Rachel van Exel



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

Monitoring Period: August 1- 31, 2018

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): 08/20/18, 08/27/18

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)		Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(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	0.84	23	1.9 DNQ	43	560	12	21	47	<3.1	730	6,900	56,000	62,000	7.9	18	54
Plant 1 Avg	0.77	22	1.8 DNQ	42	540	11	20	44	<3.1	700	6,600	53,000	59,000	-160	19	
Plant 2 Max/Min ¹	1.1	24	4.7	49	560	12	20	46	<2.7	810	5,800	45,000	50,000	7.7	21	47
Plant 2 Avg	0.96	23	4.4	48	550	12	20	44	<2.7	790	5,700	44,000	49,000		21	
Table 1 (Max/Min) ¹	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	Dlg. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days) ²	.21	Out of Service	Out of Service	20	20	21	21	21	21	21	21
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	98	98	98	98	98	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) ²	18	293	18	Out of Service	18	18	Out of Service	17	18	17	18	17	18	18	18	Out of Service	17	Out of Service
Minimum Temperature (Min 95 °F)	98	99	101	Out of Service	100	100	Out of Service	98	98	99	98	99	99	99	99	Out of Service	100	Out of Service

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

¹ 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).

² MCRT based on a 15-Day Rolling Average.

³ Digester C was brought into service on August 15, 2018.

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

Monitoring Period: August 1- 31, 2018

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.

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Jim Spears
Operations Manager

jspears@ocsd.com (714) 593-7081 Ron Coss Laboratory, Monitoring & Compliance Manager rcoss@ocsd.com (714) 593-7508

Reviewers

Cindy Vellucci
Cindy Vellucci (Oct 29, 2018)

29/2

RIDIV-EX

Scott Ahn (Oct 29, 2018)

Margil Jimenez Margil Jimenez (Oct 30, 2018)

Deirdre Bingman

Rachel van Exel



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

Monitoring Period: September 1- 30, 2018

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): 09/18/18, 09/25/18

	Mercury (mg/kg dry)		Cadmlum (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.2	20	1.6 DNQ	40	540	12	17	35	<3,1	660	5,500	50,000	55,000	7.6	18	53
Plant 1 Avg	1,1	20	1.6 DNQ	39	520	12	17	35	<3.1	660	5,400	47,000	52,000		19	
Plant 2 Max/Min*	1.2	21	3.2	48	580	15	18	41	<2.6	780	4,800	46,000	51,000	7.9	21	55
Plant 2 Avg	1.0	20	3.1	47	570	14	18	41	<2.6	770	4,700	43,000	48,000	JEG.	21	
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)**	21	Out of Service	Out of Service	20	20	21	21	21	21	21	21
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	97	97	98	97	98	98	97

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)**	18	20	18	Out of Service	18	18	Out of Service	17	18	18	18	18	18	18	19	22	18	Out of Service
Minimum Temperature (Min 95 °F)	97	98	100	Out of Service	99	100	Out of Service	100	100	98	98	97	99	99	99	100	99	Out of Service

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

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

^{*} 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).



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

Monitoring Period: September 1- 30, 2018

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@ocsd.com (714) 593-7081

Ron Coss Laboratory, Monitoring & Compliance Manager rcoss@ocsd.com (714) 593-7508

Deirdre Bingman

Rachel van Exel



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

Monitoring Period: October 1- 31, 2018

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): 10/16/18,10/23/18

	Mercury (mg/kg dry)		Cadmlum (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.0	29	4,4	76	610	19	22	47	<3.1	950	6,600	53,000	60,000	7.8	18	54
Plant 1 Avg	0.86	24	3.0 DNQ	58	510	15	18	38	<3.1	760	6,300	51,000	57,000	-	19	
Plant 2 Max/Min*	0.82	24	3.7	57	550	16	19	41	<2.7	810	5,900	47,000	53,000	7.8	20	53
Plant 2 Avg	0.81	24	2.7 DNQ	52	520	15	19	39	<2.7	760	5,700	46,000	51,000		21	-
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)**	21	Out of Service	Out of Service	20	20	21	21	21	21	21	21
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	98	98	98	98	98	98	98

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dlg. 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)**	19	21	19	Out of Service	19	19	Out of Service	18	19	18	19	18	19	Out of Service	20	20	19	22
Minimum Temperature (Min 95 °F)	98	98	99	Out of Service	99	99	Out of Service	99	100	98	99	100	99	Out of Service	100	100	99	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.

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

Monitoring Period: October 1- 31, 2018

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

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

Jim Spears
Operations Manager

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Ron Coss Laboratory, Monitoring & Compliance Manager rcoss@ocsd.com (714) 593-7508

Cindy Vellucci
Cindy Vellucci (Jan 11, 2019)

J.M.

RIDIV-EX

Peter Park
Peter Park (Jan 14, 2019)

Margil Jimenez





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

Monitoring Period: December 1- 31, 2018

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): 12/04/18, 12/11/18 (2 samples for Plant No. 1 - belt presses and centrifuges)

	Mercury (mg/kg dry)		Cadmium (mg/kg dry)				Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	(mg/kg dry)		Nitrogen	Total Nitrogen (mg/kg dry)	рН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.78	18	1.7 DNQ	38	500	13	19	35	<3.3	680	7,800	58,000	64,000	8,1	17	52
Plant 1 Avg	0.63	16	1.4 DNQ	34	450	11	16	30	<3.3	610	6,700	50,000	56,000		17	
Plant 2 Max/Min*	0.72	18	4.1	40	470	13	16	33	<2.9	700	6,300	54,000	60,000	7,7	19	52
Plant 2 Avg	0.65	18	4.1	39	440	13	16	33	<2.9	690	6,100	52,000	58,000		20	
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)**	19	Out of Service	Out of Service	19	19	20	20	20	19	19	20
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	98	98	98	98	98	98	98

OCSD Plant 2	System Summary	Photograph of the control of the	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)**	19	22	19	Out of Service	20	20	Out of Service	19	19	19	20	Out of Service	20	Out of Service	20	21	19	22
Minimum Temperature (Min 95 °F)	98	98	100	Out of Service	98	99	Out of Service	99	99	101	98	Out of Service	98	Out of Service	100	100	100	100

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

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

^{*} 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).

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

Monitoring Period: December 1-31, 2018

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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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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Cindy Vellucci

Doirdro Dinama

Ridel V. Exl

Peter Park
Peter Park (Jan 23, 2019)

Margil Timenez

Margil Jimenez (Jan 28, 2019)

Deirdre Bingman

Rachel van Exel





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

Monitoring Period: November 1- 30, 2018

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): 11/06/18, 11/27/18,11/29/18 (Plant 1)

	Mercury (mg/kg dry)			Chromium (mg/kg dry)			Molybdenum (mg/kg dry)		Selenium (mg/kg dry)	Zinc (mg/kg dry)			Total Nitrogen (mg/kg dry)	pН	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.2	23	1.7 DNQ	42	480	17	22	50	<3.1	680	6,900	54,000	59,000	7.7	18	57
Plant 1 Avg	0.98	20	1.5 DNQ	38	450	13	20	38	<3.1	630	5,800	52,000	58,000		18	
Plant 2 Max/Min*	1.3	24	5.3	58	530	13	18	39	<2.8	810	5,700	43,000	48,000	7.9	20	56
Plant 2 Avg	1.0	22	4.7	53	510	13	18	39	<2.8	770	5,600	41,000	47,000		21	
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	Dlg. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	20	Out of Service	Out of Service	19	19	20	20	20	20	20	20
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	98	98	98	97	98	98	97

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)**	19	21	19	Out of Service	20	20	Out of Service	18	19	19	20	Out of Service	20	Out of Service	20	21	19	22
Minimum Temperature (Min 95 °F)	97	100	101	Out of Service	100	100	Out of Service	100	100	98	98	Out of Service	97	Out of Service	100	100	99	100

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

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

^{*} 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).



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

Monitoring Period: November 1- 30, 2018

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

Jim Spears Operations Manager

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Cindy Vellucci
Cindy Vellucci (Jan 21, 2019)

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Peter Park (Jan 23, 2019)

Margil Jimenez Margil Amenez (Jan 23, 2019)

SOLIDS MANAGEMENT PROGRAM

Introduction Biosolids Quality

SOLIDS MANAGEMENT PROGRAM

9.1 INTRODUCTION

This section provides an overview of OCSD's Biosolids Program, focusing on the 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 OCSD'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.

OCSD's annual biosolids compliance report was completed, submitted to regulators, and posted online in February. Visit OCSD.com/503 to access the most recent document that contains Biosolids Program information, regulations, quantities, policies, guiding principles, and how and where biosolids are recycled.

9.2 BIOSOLIDS QUALITY

Biosolids quality plays an important role in ensuring the continued recyclability of OCSD's biosolids. OCSD's pretreatment program has been extremely effective in reducing and maintaining levels of pollutants (e.g., OCSD's influent sewage meets drinking water standards for the biosolids monitoring metals). The ceiling concentrations and EQ (exceptional quality) concentrations promulgated by the EPA's biosolids regulations (40 CFR 503) are presented in the figures as a reference. For FY 2017/18, OCSD biosolids met the EQ limits for all the regulated parameters.

TABLE 9.1	Trends in Trace Metal Content of Biosolids, Fiscal Years 2009-2018
	(Concentration in mg/kg, dry weight)
	Orange County Sanitation District, Resource Protection Division

		Exceptional		Plant 1			Plant 2	
	Fiscal	Quality						
Metal	Year	Limits	Min.	Max.	Avg	Min.	Max	Avg.
Arsenic		41						
	2008-09		4.3	12	7.1	3.5	13	9.0
	2009-10		2.0	10	5.2	4.4	10	7.2
	2010-11		7.2	9.7	8.4	8.6	12	10
	2011-12		2.3	11	7.4	6.6	66	22
	2012-13		0	7.8	4.7	2.0	10	7.0
	2013-14*		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

TABLE 9.1 Trends in Trace Metal Content of Biosolids, Fiscal Years 2009-2018 (Concentration in mg/kg, dry weight)
Orange County Sanitation District, Resource Protection Division

	Orange County Sanitation District, Resource Protection Division										
		Exceptional		Plant 1			Plant 2				
	Fiscal	Quality									
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.			
Cadmium		39									
	2008-09		2.5	6.2	4.1	1.7	4.4	3.0			
	2009-10		1.1	4.4	2.9	1.0	4.8	2.8			
	2010-11		1.2	3.8	2.6	1.4	5.0	2.5			
	2011-12		0.8	6.0	3.8	1.1	4.4	3.6			
	2012-13		2.6	7.8	4.7	1.9	4.4	3.1			
	2013-14*		1.6	11	3.9	2.1	6.0	3.5			
	2014-15		2.7	7.8	5.1	3.1	5.8	4.0			
	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			
		Exceptional		Plant 1			Plant 2				
	Fiscal	Quality									
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.			
Chromium		**			<u> </u>						
	2008-09		44	65	55	42	88	62.3			
	2009-10		29	56	44	30	54	47			
	2010-11		41	58	47	50	66	59			
	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			
	2017-18		27	38	34	38	54	44			
	Fiscal	Exceptional Quality		Plant 1			Plant 2				
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.			
Copper	i Gai	1,500	IVIIII.	IVIAA.	Avy.	IVIIII.	ivian.	Avy.			
Оорры	2008-09	1,500	500	590	560	500	540	520			
	2000-09		420	620	540	370	560	500			
	2010-11		520	600	570	500	720	570			
	2011-12		430	670	520	380	720	520			
	2012-13		480	640	540	500	640	540			
	2013-14		460	540	510	470	540	500			
	2014-15		320	570	470	320	560	470			
	2015-16		380	560	460	340	570	480			
	2016-17		400	560	460	340	570	490			
	2017-18		320	500	420	380	590	460			

TABLE 9.1	Trends in Trace Metal Content of Biosolids, Fiscal Years 2009-2018
	(Concentration in mg/kg, dry weight)
	Orange County Sanitation District, Resource Protection Division

	Orange Col	unty Sanitation L	DISTRICT, Re	source Prot	ection Divis	sion		
		Exceptional		Plant 1			Plant 2	
	Fiscal	Quality						
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Lead		300						
	2008-09		11	25	21	6.0	21	15
	2009-10		9.0	44	23	9.0	20	17
	2010-11		21	24	23	9.0	30	20
	2011-12		ND	25	9.0	ND	32	13
	2012-13		7.5	19	15	7.5	17	14
	2013-14*		13	17.5	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
		Exceptional		Plant 1			Plant 2	
	Fiscal	Quality						
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Mercury		17						
	2008-09		1.0	1.9	1.4	1.0	2.6	1.4
	2009-10		1.0	3.2	1.4	0.9	1.6	1.3
	2010-11		0.8	2.2	1.3	8.0	2.3	1.2
	2011-12		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	0.93	0.64	1.2	1.0
	2016-17		0.53	1.7	0.90	0.70	1.2	0.90
	2017-18		0.66	1.1	0.85	0.34	1.1	0.79
		Exceptional		Plant 1			Plant 2	
	Fiscal	Quality						
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Molybdenum		**						
-	2008-09		12	16	15	8.0	16	14
	2009-10		6.0	16	13	6.0	14	10
	2010-11		12	19	15	4.8	18	14
	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

TABLE 9.1	Trends in Trace Metal Content of Biosolids, Fiscal Years 2009-2018
	(Concentration in mg/kg, dry weight)
	Orange County Sanitation District. Resource Protection Division

				Dla::44		1	Discit O	
	Fig.s.l	Exceptional		Plant 1			Plant 2	
Metal	Fiscal	Quality	N 4:	N4	Δ	N.A.:	Merr	Λ
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Nickel	2000 00	420	20	4.4	25	00	07	00
	2008-09		30	41	35	22	37	29
	2009-10		12	36	28	9	27	21
	2010-11		28	46	37 35	14	38	32
	2011-12		15	48	35	20	39	31
	2012-13 2013-14		34 36	48 55	40 43	23 28	41 56	30 37
	2013-14		26	55 47	43 37	26 26	30 41	3 <i>1</i> 34
			26 29			26 20	41 41	
	2015-16*			45 45	38			33
	2016-17		25	45	36	21	41	32
	2017-18		28	37	32	31	39	34
	_	Exceptional		Plant 1			Plant 2	
	Fiscal	Quality			_			
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Selenium		100						
	2008-09		2.5	14	9.7	2.8	13	7.5
	2009-10		2.7	18	7.3	2.8	16	5.6
	2010-11		2.8	26	11	3.7	26	9.8
	2011-12		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
		Exceptional		Plant 1			Plant 2	
	Fiscal	Quality						
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Silver		**						
	2008-09		19	24	21	9.5	13	12
	2009-10		10	18	15	7.4	13	10
	2010-11		10	17	13	5.2	12	9.6
	2011-12		7	14	10	4.0	12	8.5
	2012-13		6.2	14	8.6	6.4	13	8.6
	2013-14		1.7	7.6	5.7	3.8	9.1	7.0
	2014-15		4.9	7.8	6.7	6.0	8.6	7.0
	2015-16		4.6	7.7	6.1	4.2	8.0	6.0
	2016-17		3.6	7.7	5.7	4.3	7.9	5.7
	2017-18		2.4	5.5	4.0	2.8	5.7	4.2

TABLE 9.1 Trends in Trace Metal Content of Biosolids, Fiscal Years 2009-2018 (Concentration in mg/kg, dry weight)
Orange County Sanitation District, Resource Protection Division

	Fiscal	Exceptional Quality		Plant 1			Plant 2	
Metal	Year	Limits	Min.	Max.	Avg.	Min.	Max.	Avg.
Zinc		2,800						
	2008-09		720	870	790	700	800	750
	2009-10		560	810	740	520	790	710
	2010-11		630	740	700	700	830	740
	2011-12		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

^{*} Calculations included data below the reporting limit, but above the method detection limit, and were therefore flagged as "detected not quantified."

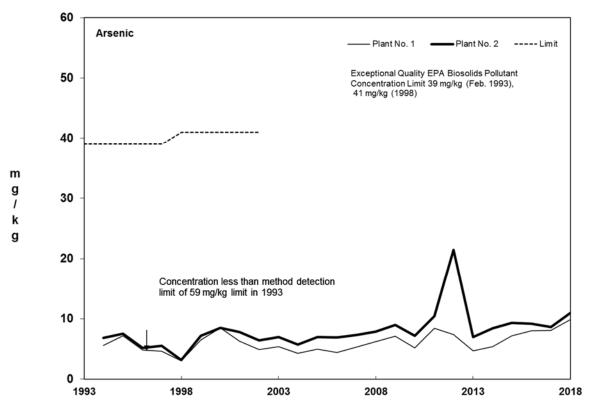


Figure 9-1 Trends in Concentrations of Arsenic in Biosolids, Fiscal Years 1993-2018
Orange County Sanitation District, Resource Protection Division

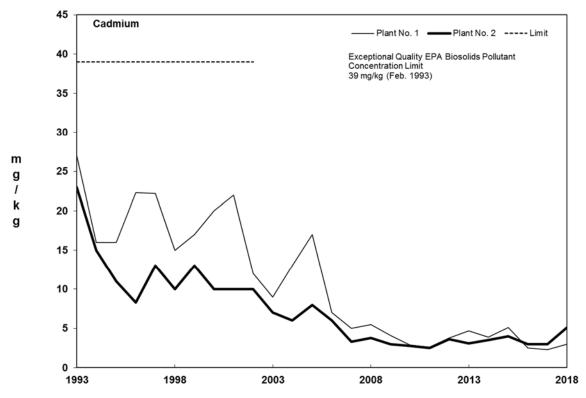


Figure 9-2 Trends in Concentrations of Cadmium in Biosolids, Fiscal Years 1993-2018
Orange County Sanitation District, Resource Protection Division

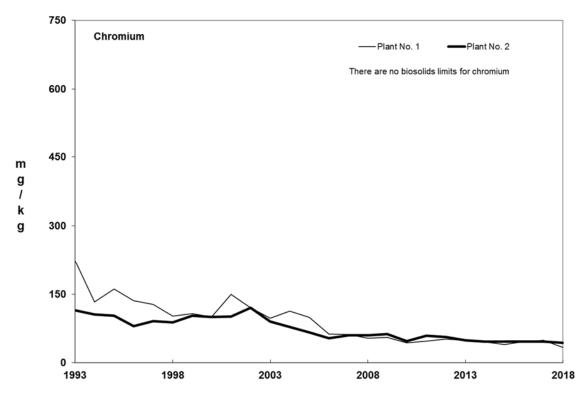


Figure 9-3 Trends in Concentrations of Chromium in Biosolids, Fiscal Years 1993-2018
Orange County Sanitation District, Resource Protection Division

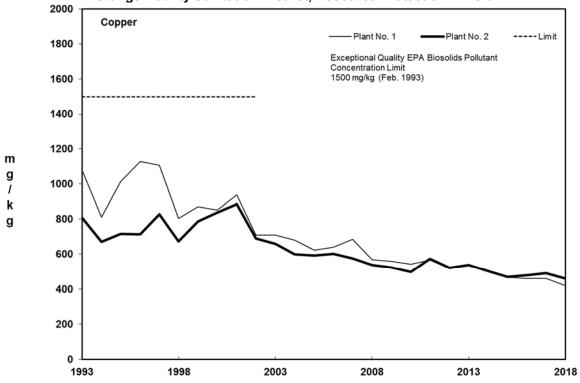


Figure 9-4 Trends in Concentrations of Copper in Biosolids, Fiscal Years 1993-2018
Orange County Sanitation District, Resource Protection Division

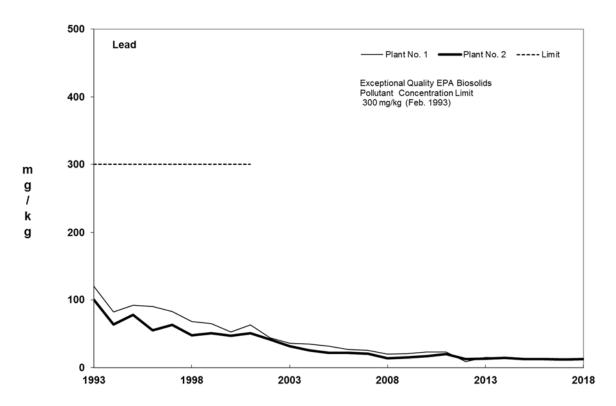


Figure 9-5 Trends in Concentrations of Lead in Biosolids, Fiscal Years 1993-2018 Orange County Sanitation District, Resource Protection Division

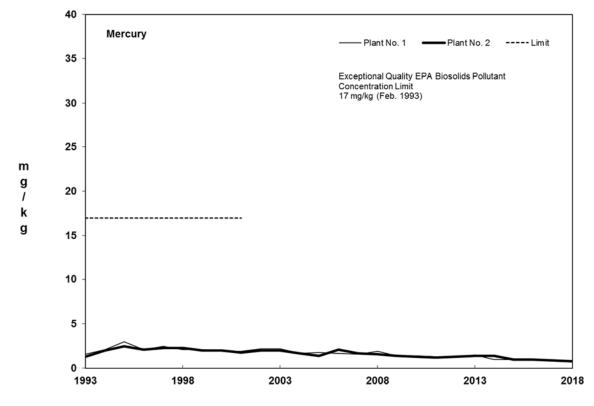


Figure 9-6 Trends in Concentrations of Mercury in Biosolids, Fiscal Years 1993-2018 Orange County Sanitation District, Resource Protection Division

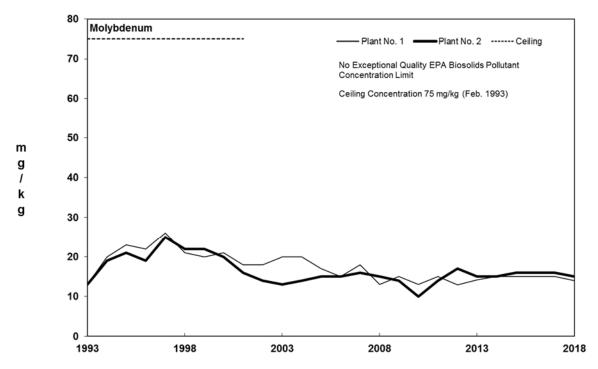


Figure 9-7 Trends in Concentrations of Molybdenum in Biosolids, Fiscal Years 1993-2018 Orange County Sanitation District, Resource Protection Division

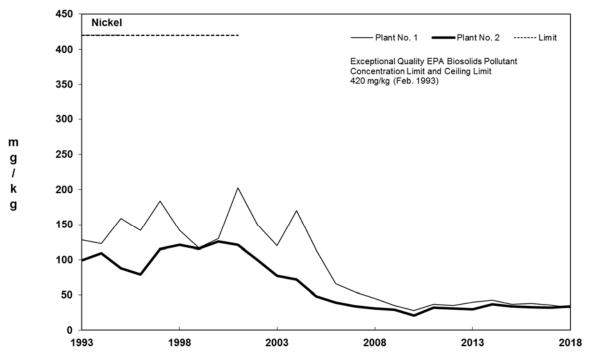


Figure 9-8 Trends in Concentrations of Nickel in Biosolids, Fiscal Years, 1993-2018
Orange County Sanitation District, Resource Protection Division

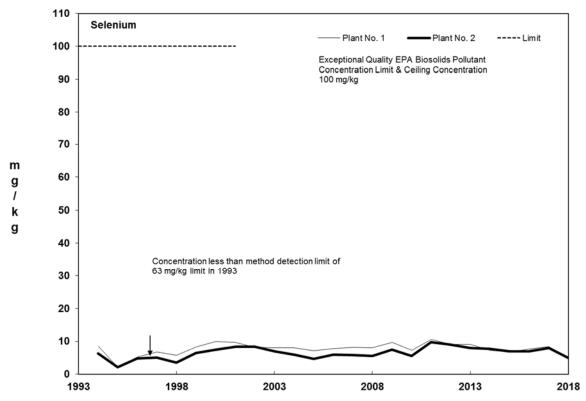


Figure 9-9 Trends in Concentrations of Selenium in Biosolids, Fiscal Years 1993-2018 Orange County Sanitation District, Resource Protection Division

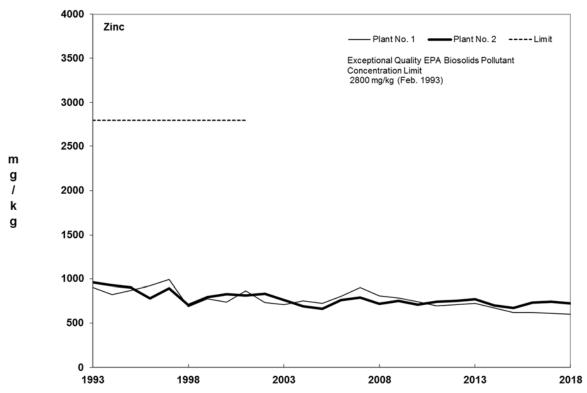
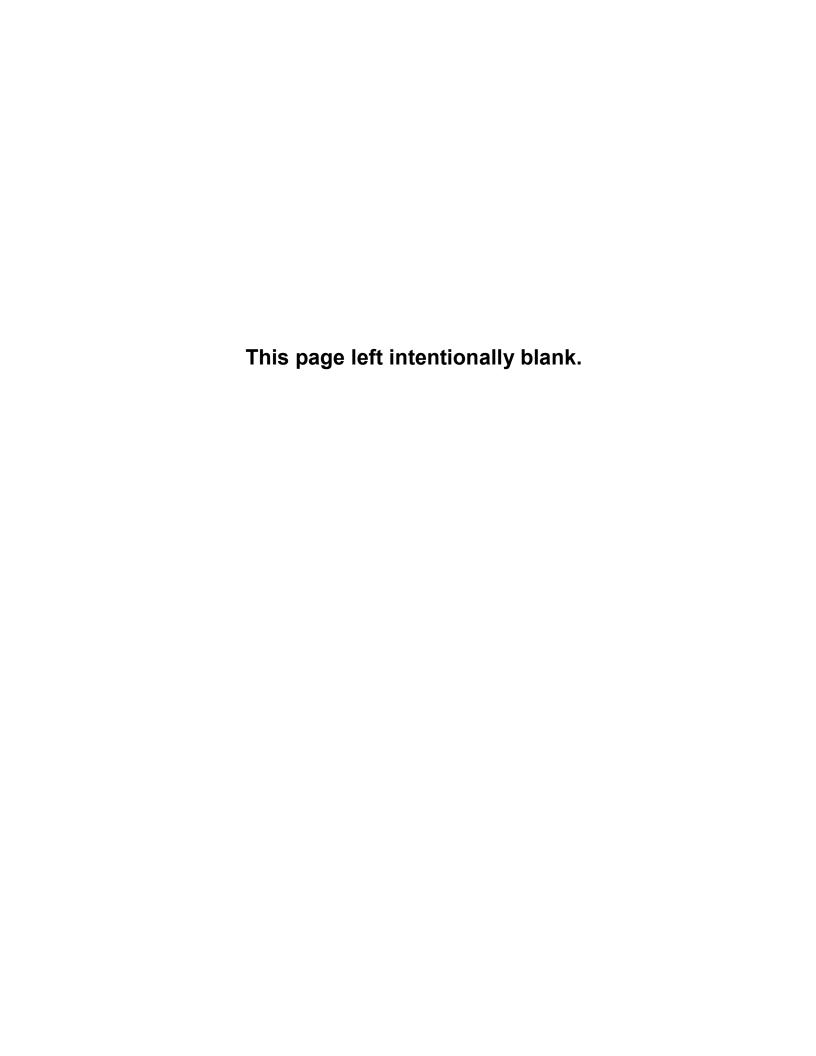


Figure 9-10 Trends in Concentrations of Zinc in Biosolids, Fiscal Years 1993-2018 Orange County Sanitation District, Resource Protection Division

APPENDIX C



ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eneral	Ammonia-N	SM 4500 NH3 G	mg/kg dry	Plant 1 Cake	01/23/2018	6100	270	1400
emistry			weight		01/30/2018	6300	270	1300
					02/20/2018	6700	300	1500
					02/27/2018	6200	260	1300
					Period Mean	6300		
					Period Max	6700		
		SM 4500 NH3 G	ma/ka dry	Plant 2 Cake	01/23/2018		240	1200
			weight	i idiii 2 Gairis	01/30/2018		240	1200
					02/20/2018		250	1200
					02/27/2018		260	1300
					Period Mean	5600	200	1000
	Fluoride Hexavalent Chromium Kjeldahl Nitrogen				Period Max	6300		
		EPA 300.0	ma/ka dni	Plant 1 Cake	01/23/2018		19	27
		EPA 300.0	mg/kg dry weight	Plant I Cake			19	21
			weignt		Period Mean	33		
		ED 1 000 0	, ,	DI 1001	Period Max	33	1=	
	Hexavalent Chromium EP Kjeldahl Nitrogen EP	EPA 300.0	mg/kg dry	Plant 2 Cake	01/23/2018		17	24
			weight		Period Mean	28		
					Period Max	28		
		EPA 7196A	mg/kg dry	Plant 1 Cake	01/23/2018		14	27
			weight		Period Mean	<14		
					Period Max	<14		
		EPA 7196A	mg/kg dry	Plant 2 Cake	01/23/2018	8.1 DNQ	5.9	12
			weight		Period Mean	8.1 DNQ		
					Period Max	8.1 DNQ		
		EPA 351.2	mg/kg dry	Plant 1 Cake	01/23/2018	57000	6500	8600
			weight		01/30/2018	65000	8200	11000
					02/20/2018	63000	8600	12000
					02/27/2018		15000	19000
					Period Mean	61000	111111	111111
					Period Max	65000		
		FPA 351 2	mg/kg dry	kg dry Plant 2 Cake	01/23/2018		7400	9800
		LI A 001.2	weight		01/30/2018		5200	6900
					02/20/2018		7600	10000
					02/27/2018		12000	16000
							12000	16000
					Period Mean			
	APC C AL	ED4 000 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DI 1101	Period Max	63000		0.0
	Nitrate-N	EPA 300.0	mg/kg dry	Plant 1 Cake	01/23/2018		4.4	6.0
			weight		01/30/2018		4.3	6.0
					02/20/2018		4.8	6.6
					02/27/2018		4.3	5.9
					Period Mean	<4.8		
					Period Max	<4.8		
		EPA 300.0	mg/kg dry	Plant 2 Cake	01/23/2018	ND	3.8	5.2
			weight		01/30/2018	ND	3.8	5.2
					02/20/2018	ND	4.1	5.6
					02/27/2018	ND	4.2	5.8
					Period Mean	<4.2		
					Period Max	<4.2		
	Nitrite-N	EPA 300.0	mg/kg dry	Plant 1 Cake	01/23/2018		6.0	8.2
			weight		01/30/2018		6.0	8.1
			_		02/20/2018		6.6	9.0
					02/27/2018		5.9	8.0
					Period Mean	<6.6	0.9	0.0
		EDA 200 0	maller de:	Dlamt 0.0-1	Period Max	<6.6	F 0	7.4
		EPA 300.0	mg/kg dry weight	Plant 2 Cake	01/23/2018		5.2	7.1
			weigni		01/30/2018		5.2	7.1
	Nitrogen EPA 351. Nitrate-N EPA 300.				02/20/2018	ND	5.6	7.6

tegory	f Priority Pollu Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	02/27/2018	ND	5.8	8.0
					Period Mean	<5.8		
					Period Max	<5.8		
	Organic Lead	HML 939-M	mg/kg dry	Plant 1 Cake	01/23/2018		0.13	0.31
	Organic Lead	I IIVIL 333-IVI	weight	I lant I Cake	Period Mean	<0.13	0.13	0.51
			Wolgin					
					Period Max	<0.13		
		HML 939-M	mg/kg dry	Plant 2 Cake	01/23/2018		0.11	0.27
			weight		Period Mean	<0.11		
					Period Max	<0.11		
	Organic	CALC	mg/kg dry	Plant 1 Cake	01/23/2018	51000		
	Nitrogen		weight		01/30/2018	59000		
					02/20/2018	56000		
					02/27/2018	53000		
					Period Mean	55000		
					Period Max	59000		
		CALC	mg/kg dry	Plant 2 Cake	01/23/2018			
		5, 120	weight	I IGIN Z OGNO	01/30/2018			
					02/20/2018			
					02/27/2018			
	рН				Period Mean	48000		
					Period Max	58000		
	рН	EPA 9045C	pH units	Plant 1 Cake	01/23/2018	8.1	0.10	0.1
					01/30/2018	7.9	0.10	0.1
					02/20/2018	7.8	0.10	0.1
					02/27/2018	7.8	0.10	0.1
					Period Mean	7.9		
					Period Max	8.1		
		EPA 9045C	pH units	Plant 2 Cake	01/23/2018	8.0	0.10	0.1
					01/30/2018		0.10	0.1
					02/20/2018		0.10	0.1
					02/27/2018		0.10	0.1
							0.10	0.1
					Period Mean	8.0		
	T	ED4 0044			Period Max	8.1		0.7
	Total Cyanide	EPA 9014	mg/kg dry	Plant 1 Cake	01/23/2018		2.3	2.7
			weight			<2.3		
					Period Max	<2.3		
		EPA 9014	mg/kg dry	Plant 2 Cake	01/23/2018	ND	2.0	2.4
			weight		Period Mean	<2.0		
					Period Max	<2.0		
	Total Nitrogen	CALC	mg/kg dry	Plant 1 Cake	01/23/2018	57000		
			weight		01/30/2018			
					02/20/2018			
					02/27/2018			
					Period Mean	61000		
					Period Max	65000		
		CALC	mg/kg dry	Plant 2 Cake	01/23/2018			
		OALO	weight	i iaiii 2 Cake				
			weight		01/30/2018			
					02/20/2018			
					02/27/2018			
					Period Mean	54000		
					Period Max	63000		
		SM 2540G	%	Plant 1 Cake	01/23/2018		0.050	0.050
					01/30/2018	18	0.050	0.050
					02/20/2018		0.050	0.050
					02/27/2018		0.050	0.050
	Total Solids				Period Mean	18		

ategory	Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
				Location				
		SM 2540G	%	Plant 2 Cake	01/23/2018		0.050	0.050
					01/30/2018		0.050	0.050
					02/20/2018		0.050	0.050
					02/27/2018	19	0.050	0.050
					Period Mean	20		
					Period Max	21		
ace Elements	Antimony	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	ND	2.0	27
			weight		Period Mean	<2.0		
					Period Max	<2.0		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018	ND	1.8	24
			weight		Period Mean	<1.8		
					Period Max	<1.8		
	Arsenic	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		3.0	16
	Alsenie	LI A OUTOB	weight	Tiant Toake	01/30/2018		2.9	16
			Worgin.		02/20/2018		3.3	18
					02/27/2018		2.9	16
					Period Mean	11 DNQ		
		ED. 22::-		DI	Period Max	14 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		2.6	14
			weight		01/30/2018		2.6	14
	Barium EPA 6010B			02/20/2018		2.7	15	
					02/27/2018	13 DNQ	2.9	16
					Period Mean	13 DNQ		
					Period Max	14		
	Barium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	230	0.54	27
	EPA 6010B	weight		Period Mean	230			
				Period Max	230			
		mg/kg dry	Plant 2 Cake	01/23/2018		0.48	24	
		weight		Period Mean	800	00		
			Weight		Period Max	800		
	Beryllium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		0.066	2.7
	Dei yilidiri	LI A 00 10B	weight	Plant 1 Cake	Period Mean	0.13 DNQ 0.13 DNQ	0.000	2.1
			Worgin.					
		EDA 6040B	una ne lle ne alum e	Diant 2 Calca	Period Max	0.13 DNQ	0.050	2.4
		EPA 6010B	mg/kg dry weight	Plant 2 Cake	01/23/2018		0.058	2.4
			weigiit			0.20 DNQ		
					Period Max	0.20 DNQ		
	Cadmium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		0.13	2.7
			weight		01/30/2018		0.13	2.7
					02/20/2018		0.15	3.0
					02/27/2018	2.8	0.13	2.6
					Period Mean	3.0 DNQ		
					Period Max	3.9		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018	5.1	0.12	2.4
			weight		01/30/2018	5.6	0.11	2.3
					02/20/2018		0.12	2.5
					02/27/2018		0.13	2.6
					Period Mean	6.3	-	
					Period Max	7.7		
	Chromium	FPA 6010R	mg/kg dry	Plant 1 Cake	01/23/2018		1.2	11
	Chromium EPA 6010B	weight	I lain I Cane	01/30/2018		1.2	11	
				02/20/2018		1.3	12	
					02/27/2018		1.1	11
					Period Mean	34		
					Period Max	39		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		1.0	9.5
			weight		01/30/2018		1.0	9.3
					02/20/2018	40	1.1	9.9

egory	Parameter	Method	Units	Sample	n Biosolids for Sample Date	Result	MDL	RL
•				Location				
					02/27/2018		1.1	11
					Period Mean	48		
					Period Max	59		
	Cobalt	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	1.6 DNQ	0.30	11
			weight		Period Mean	1.6 DNQ		
					Period Max	1.6 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018	2.9 DNQ	0.26	9.5
			weight		Period Mean	2.9 DNQ		
					Period Max	2.9 DNQ		
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	260	2.4	14
			weight		01/30/2018	420	2.4	13
					02/20/2018	510	2.6	15
					02/27/2018		2.3	13
					Period Mean	410	2.0	1.0
					Period Max	510		
		EPA 6010B	ma/ka dny	Plant 2 Cake	01/23/2018		2.1	12
		LFA 00 10D	mg/kg dry weight	FIAIIL & CAKE				
			woight		01/30/2018		2.1	12
					02/20/2018		2.2	12
					02/27/2018		2.3	13
	Iron				Period Mean	450		
					Period Max	510		
	Iron	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	35000	12	54
			weight		01/30/2018	58000	12	53
					02/20/2018	62000	13	59
					02/27/2018	56000	12	53
					Period Mean	53000		
					Period Max	62000		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018	55000	11	48
			weight		01/30/2018	64000	10	47
					02/20/2018		11	49
					02/27/2018		12	53
					Period Mean	63000		
					Period Max	67000		
	Lead	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		0.75	5.4
	Leau	LI A 00 10B	weight	I lant I Cake	01/30/2018		0.73	5.3
							0.73	5.9
					02/20/2018			
					02/27/2018		0.72	5.3
					Period Mean	11		
		ED		DI : 5 - :	Period Max	14	0.55	
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		0.65	4.8
			weight		01/30/2018		0.64	4.7
					02/20/2018		0.68	4.9
					02/27/2018		0.72	5.3
					Period Mean	14		
					Period Max	16		
	Magnesium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	4100	18	140
			weight		01/30/2018	6900	18	130
					02/20/2018	6700	20	150
					02/27/2018	6000	18	130
					Period Mean	5900		
					Period Max	6900		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		16	120
		2.7.00100	weight	I MILL OUNG	01/30/2018		16	120
					02/20/2018		17	120
					02/27/2018		18	130
							10	130
					Period Mean	7200		
	1				Period Max	7800		

egory	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
	Mercury	EPA 7471A	mg/kg dry	Plant 1 Cake	01/23/2018	0.74	0.066	0.11
			weight		01/30/2018	0.70	0.065	0.11
					02/20/2018	1.0	0.072	0.12
					02/27/2018	0.77	0.063	0.11
					Period Mean	0.80		
					Period Max	1.0		
	Molybdenum	EPA 7471A	mg/kg dry	Plant 2 Cake	01/23/2018		0.057	0.095
			weight		01/30/2018		0.057	0.095
					02/20/2018		0.060	0.10
					02/27/2018		0.064	0.11
					Period Mean	0.80		
					Period Max	0.96		
	Molyhdenum	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		0.31	11
	Morybaeriani	LI A 00 10B	weight	Tidile T Gallo	01/30/2018		0.30	11
			weight		02/20/2018		0.33	12
					02/20/2018			11
							0.30	11
					Period Mean	13 DNQ 16		
		EDA 0040D		Diamet 0. O - I	Period Max		0.07	0.5
		EPA 6010B	mg/kg dry weight	Plant 2 Cake	01/23/2018		0.27	9.5
			weight		01/30/2018		0.26	9.3
					02/20/2018		0.28	9.9
					02/27/2018		0.30	11
					Period Mean	14		
					Period Max	16		
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	30	0.98	11
			weight		01/30/2018	36	0.96	11
					02/20/2018	39	1.1	12
					02/27/2018	34	0.94	11
					Period Mean	35		
					Period Max	39		
		EPA 6010B	10B mg/kg dry	kg dry Plant 2 Cake	01/23/2018	30	0.86	9.5
			weight		01/30/2018		0.84	9.3
					02/20/2018		0.89	9.9
					02/27/2018		0.94	11
						34		
					Period Max	38		
	Selenium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		3.1	27
	Ocicilani	LI A 00 10B	weight	I lant I dake	01/30/2018		3.0	27
					02/20/2018		3.3	30
					02/27/2018		2.9	26
					Period Mean	<3.3		
		ED 4 00 125		DI (0.5.)	Period Max	<3.3	0 =	
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		2.7	24
			weight		01/30/2018		2.6	23
					02/20/2018		2.8	25
					02/27/2018		2.9	26
					Period Mean	<2.9		
					Period Max	<2.9		
	Silver E	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	2.4 DNQ	0.77	14
			weight		01/30/2018	4.0 DNQ	0.75	13
					02/20/2018	4.9 DNQ	0.84	15
					02/27/2018	4.1 DNQ	0.74	13
					Period Mean	3.8 DNQ		
					Period Max	4.9 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		0.67	12
				l 2 Gang	01/30/2018		0.66	12
		weight			01/00/2010	51100	0.00	14

Category	Priority Pollu Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	02/27/2018	4.6 DNQ	0.74	13
					Period Mean	4.2 DNQ		
					Period Max	4.6 DNQ		
	Thallium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018		1.8	27
	Triamarri	LI / COTOB	weight	Tidile Found	Period Mean	<1.8	1.0	E
			g		Period Mean	<1.8		
		EDA 0040D		DI 1001			4.5	0.4
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		1.5	24
			weight		Period Mean	<1.5		
					Period Max	<1.5		
	Vanadium	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	12	2.9	5.4
			weight		Period Mean	12		
					Period Max	12		
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018	39	2.5	4.8
			weight		Period Mean	39		
					Period Max	39		
	Zinc	EPA 6010B	mg/kg dry	Plant 1 Cake	01/23/2018	430	9.4	27
			weight		01/30/2018		9.2	27
					02/20/2018		10	30
					02/27/2018		9.1	26
					Period Mean	560	J. I	20
		EDA 22422		DI (0.5.)	Period Max	620	0.0	2.1
		EPA 6010B	mg/kg dry	Plant 2 Cake	01/23/2018		8.2	24
			weight		01/30/2018		8.1	23
	nic 1,1,1,2- Tetrachloroetha				02/20/2018	730	8.6	25
	•				02/27/2018	770	9.1	26
					Period Mean	700		
					Period Max	770		
olatile Organic		EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	110
ompounds					Period Mean	<22		
	ne				Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	120
		LI / (OZOOB	µg/kg diy		Period Mean	<24	27	120
					Period Max	<24		
	4.4.4	EPA 8260B	//				22	44
	1,1,1- Trichloroethane	EPA 8200B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
	Thomoroemane					<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
					Period Mean	<24		
					Period Max	<24		
	1,1,2,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
	Tetrachloroetha				Period Mean	<22		
	ne				Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
			. 5 5 ,		Period Mean	<24		
					Period Max	<24		
	1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
	Trichloroethane	02000	maring dry	i idir i Odro	Period Mean	<22		77
					Period Max	<22		
		EDA GOCOD	110/len d	Diamt 0.0-1			24	47
	EPA	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
					Period Mean	<24		
					Period Max	<24		
	1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
	Dichloroethane				Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
					Period Mean	<24		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
1 1	EPA 8260B	ua/ka dm	Plant 1 Cake	01/23/2018	NID	22	110
1,1- Dichloroethene	EPA 8200B	μg/kg dry	Plant I Cake			22	111
Dictioroetherie				Period Mean	<22		
	ED 4 0000D	, ,	DI 1001	Period Max	<22	0.4	10
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	12
				Period Mean	<24		
	ED 1 0000		DI (10)	Period Max	<24		
1,1- Dichloropropene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dicilioroproperie				Period Mean	<22		
	ED 1 0000		DI (00)	Period Max	<22	0.1	4-
	EPA 8260B	µg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	<24		-
				Period Max	<24		
1,2,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	11
Trichlorobenzen e				Period Mean	<22		\perp
E				Period Max	<22		\perp
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	12
				Period Mean	<24		L
				Period Max	<24		L
1,2,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	22
Trichloropropan				Period Mean	<22		
е				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	24
				Period Mean	<24		
				Period Max	<24		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	11
Trichlorobenzen				Period Mean	<22		
e E				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	12
				Period Mean	<24		
				Period Max	<24		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	1300	22	44
Trimethylbenze				Period Mean	1300		
ne				Period Max	1300		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	900	24	47
				Period Mean	900		
				Period Max	900		
1,2-Dibromo-3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	44	11
chloropropane				Period Mean	<44		T
				Period Max	<44		Т
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	47	12
				Period Mean	<47		Т
				Period Max	<47		T
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dibromoethane				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	4
		100,000		Period Mean	<24		+ 1
				Period Max	<24		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dichlorobenzen		ניש פיייפייו	l lance out	Period Mean	<22	_ -	+
е				Period Max	<22		+
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
	_1 / (02000	pg/ng dry	I MILL CARE	Period Mean	<24	<u>∠</u> -T	+1
				Period Max	<24		+
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
	L. A 0200D	pg/ng dry	I lain I Cane	Period Mean	<22	<u> </u>	74
Dichloroethane				T CHOO MEAN	144		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
		-		Period Mean	<24		
				Period Max	<24		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dichloropropane		13.3		Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
	L1710200B	pg/kg dry	I Idili 2 Odilo	Period Mean	<24		11
				Period Max	<24		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		24	48
Trichlorobenzen	LI A 0200D	µg/kg diy	I latt I Cake	Period Mean	<24	24	40
е				Period Max	<24		
	EDA 0000D	/len alme	Dlamt 2 Calca			24	47
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	<24		╄
	ED4 0000	, ,	DI 440 I	Period Max	<24		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Trimethylbenze ne				Period Mean	330		\perp
116				Period Max	330		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	240		
				Period Max	240		
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dichlorobenzen				Period Mean	<22		
е				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
				Period Mean	<24		
				Period Max	<24		
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
Dichloropropane				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		100,000		Period Mean	<24		+ -
				Period Max	<24		
1,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dichlorobenzen	/ . 02000	מיוש שייים	i idili i odilo	Period Mean	<22		+77
е				Period Max	<22		+
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
	LI A 0200D	µg/kg uly	I Idill 2 Cake	Period Mean	<24	24	4/
							+
2.2	EDA 00005		Dia t 4 O I	Period Max	<24	20	1
2,2- Dichloropropane	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dictiloroproparie				Period Mean	<22		-
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	<24		
				Period Max	<24		L
2-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	11
				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	12
E				Period Mean	<24		
				Period Max	<24		
2-Hexanone	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	110	56
				Period Mean	<110		
				Period Max	<110		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		120	59
		נוג פוי פיו		Period Mean	<120	1.24	+
E				. Shou would	120		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
4-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	110
				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	12
		, ,		Period Mean	<24		
				Period Max	<24		+
Acrolein	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		220	22
7101010111	217102002	µg/ng ary	riant round	Period Mean	<220		+
				Period Max	<220		+
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		240	24
	LI A 0200B	pg/kg dry	I lain 2 Oako	Period Mean	<240	240	-
				Period Max	<240		+
Acrylonitrile	EPA 8260B	ua/ka dn/	Plant 1 Cake	01/23/2018		440	2:
Acrylonitrile	EPA 0200B	μg/kg dry	Plant I Cake	Period Mean	<440	440	2.
							H
	EDA 0000D		Diamet 2 California	Period Max	<440	470	0
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		470	24
				Period Mean	<470		+
_				Period Max	<470		\perp
Benzene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
				Period Mean	<22		L
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	<24		Γ
				Period Max	<24		
Bromobenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	1
				Period Mean	<22		Т
				Period Max	<22		
E	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	12
				Period Mean	<24		T
				Period Max	<24		T
Bromochloromet	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	1
hane		. 5 5 ,	I lain I Gano	Period Mean	<22		\dagger
				Period Max	<22		+
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	12
		ניי פיי, פיין	2 Cano	Period Mean	<24		+ 2
				Period Max	<24		+
Bromodichlorom	FPA 8260R	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
ethane	_1 / (0200)	pg/ng diy	I Idili I Oake	Period Mean	<22		+
-				Period Max	<22		+
	EPA 8260B	ua/ka da	Plant 2 Cake	01/23/2018		24	4
	EPA 0200B	μg/kg dry	Plant 2 Cake	Period Mean	ND <24	24	4
				Period Mean Period Max			+
Duamas f	EDA COCCE		Diamet 4.0.1		<24	4.4	1
Bromoform	EPA 8260B	µg/kg dry	Plant 1 Cake	01/23/2018		44	1
				Period Mean	<44		+
				Period Max	<44		L
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		47	12
				Period Mean	<47		L
				Period Max	<47		L
Bromomethane	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	11
				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	1:
				Period Mean	<24		T
				Period Max	<24		T
Carbon	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	11
tetrachloride				Period Mean	<22		
etrachloride						The second secon	

mary of Jory	Priority Pollu Parameter	tants and Ti	race Constitu Units	uents Analysis i Sample	n Biosolids for Sample Date	2018 - Ja Result	nuary - Febrເ ^{MDL}	lary RL
,,				Location				
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	120
					Period Mean	<24		
					Period Max	<24		
	Chlorobenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
					Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		LI A 0200B	µg/kg diy	I lant 2 dake	Period Mean	<24	LT	71
					Period Max	<24		
	Chilana ath an a	EDA 0000D	//	Diamet 1 Calca			4.4	110
	Chloroethane	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		44	110
					Period Mean	<44		
					Period Max	<44		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		47	120
					Period Mean	<47		
					Period Max	<47		
	Chloroform	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
					Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		LI / COLOGE	pg/ng ary	I lant 2 Gano	Period Mean	<24		
					Period Max	<24		
	Chilana na ath an a	EDA 0000D	//	Diama 4 Calca			22	110
	Chloromethane	EPA 0200D	μg/kg dry	Plant 1 Cake	01/23/2018		22	110
					Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	120
					Period Mean	<24		
					Period Max	<24		
	cis-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
	Dichloroethene				Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
			1-3/37		Period Mean	<24		
					Period Max	<24		
	cis-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
	Dichloropropene		µg/kg diy	I lant I Cake		<22	22	44
	Dioriloroproporio							
		554 00005		DI (0.0.1	Period Max	<22		4=
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
					Period Mean	<24		
					Period Max	<24		
	Dibromochlorom	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
	ethane				Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
					Period Mean	<24		
					Period Max	<24		
	Dibromomethan	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
	е		. 5 5,		Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		LI A 0200D	µg/kg uly	I Idill 2 Care	Period Mean	<24	27	71
	Diskl. Pr	EDA 20005		DI- 140 1	Period Max	<24	4.4	440
		EPA 8260B	µg/kg dry	Plant 1 Cake	01/23/2018		44	110
	memane				Period Mean	<44		
					Period Max	<44		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	47	120
					Period Mean	<47		
	Dichlorodifluoro methane EPA 8260				Period Max	<47		

/	Parameter	Method	Units	Sample Location	Sample Date	Result	nuary - February MDL	RL
	Ethylbenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	120	22	44
	Lutyiberizerie	LI / (OZOOD	pg/kg dry	Tiant Toute	Period Mean	120	EE.	
					Period Max	120		
		EPA 8260B	ua/ka day	Plant 2 Cake	01/23/2018		24	47
		EPA 6200B	μg/kg dry	Platit 2 Cake			24	47
					Period Mean	72		
					Period Max	72		
	Hexachlorobuta	EPA 8260B	µg/kg dry	Plant 1 Cake	01/23/2018		22	110
	diene				Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	120
					Period Mean	<24		
					Period Max	<24		
	Isobutyl alcohol	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	560	1100
					Period Mean	<560		
					Period Max	<560		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	590	1200
					Period Mean	<590		
					Period Max	<590		
	Isopropylbenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
	е		רטייט אין	Tant Toake	Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		LFA 0200B	µg/kg diy	Flant 2 Cake	Period Mean	<24	24	47
					Period Max	<24		
	ma in Vidanaa	EDA GOCOD	//	Diamt 1 Calca			44	00
	m,p-Xylenes	EPA 8260B	µg/kg dry	Plant 1 Cake	01/23/2018		44	89
					Period Mean	670		
					Period Max	670		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		47	94
				Diant 1 Cake	Period Mean	330		
					Period Max	330		
	Methyl ethyl	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		110	220
	ketone				Period Mean	1700		
					Period Max	1700		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	3300	120	240
					Period Mean	3300		
					Period Max	3300		
	Methylene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	110	440
	Chloride				Period Mean	<110		
					Period Max	<110		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		120	470
					Period Mean	<120		
					Period Max	<120		
	MIBK	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		56	110
			13.3		Period Mean	<56		_
					Period Max	<56		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		59	120
		LI A 0200B	µg/kg di y	I lant 2 dake	Period Mean	<59	00	120
					Period Max	<59		
	Nonhtholana	EDA 9060B	ua/ka day	Plant 1 Calca			11	110
	Naphthalene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018 Period Mean		44	110
						180		
		ED. 05.55		DI (5.5.)	Period Max	180	1=	105
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		47	120
					Period Mean	160		
					Period Max	160		
	n-Butylbenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	110
					Period Mean	71 DNQ		
					Period Max	71 DNQ		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	61 DNQ	24	120
				Period Mean	61 DNQ		
				Period Max	61 DNQ		
n-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	110	22	44
Propylbenzene				Period Mean	110		
				Period Max	110		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	80	24	47
		, , ,		Period Mean	80		
				Period Max	80		
o-Xylene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
,		13.3		Period Mean	300		
				Period Max	300		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
	LI / (OZOOD	pg/kg dry	I lant 2 dake	Period Mean	150		7,
				Period Max	150		+
sec-	EPA 8260B	ua/ka day	Plant 1 Cake	01/23/2018		22	110
Butylbenzene	LFA 0200D	μg/kg dry	Fiant i Cake			<u> </u>	110
Datyibolizelle				Period Mean	<22		-
	EDA 00005		DI	Period Max	<22	0.4	400
	EPA 8260B	µg/kg dry	Plant 2 Cake	01/23/2018		24	120
				Period Mean	<24		-
		, ,		Period Max	<24		1
Styrene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
				Period Mean	<24		
				Period Max	<24		
tert-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	110
Butylbenzene				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	120
				Period Mean	<24		
				Period Max	<24		
Tetrachloroethe	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
ne				Period Mean	<22		
				Period Max	<22		+
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		מייש שיי	I Idili Z Gailo	Period Mean	<24		+,
				Period Max	<24		+
Toluene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
TOIUETTE	LFA 0200D	µg/kg ury	Fiant i Cake	Period Mean	230	<u> </u>	44
							-
	EDA 00005		DI	Period Max	230	0.4	47
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	-	24	47
				Period Mean	91		-
				Period Max	91		-
trans-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
Dichloroethene				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
				Period Mean	<24		
				Period Max	<24		
trans-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	44
Dichloropropene				Period Mean	<22		
				Period Max	<22		
	EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018		24	47
		F-337		Period Mean	<24	<u>- · </u>	+
				i Silou Mouli			

Category	Parameter	Method	Units	Sample	Sample Date	Result	nuary - February MDL	RL
				Location				
	Trichloroethene	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018		22	44
					Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	47
					Period Mean	<24		
					Period Max	<24		
	Trichlorofluorom	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	110
	ethane				Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	120
					Period Mean	<24		
					Period Max	<24		
	Vinyl chloride	EPA 8260B	μg/kg dry	Plant 1 Cake	01/23/2018	ND	22	110
					Period Mean	<22		
					Period Max	<22		
		EPA 8260B	μg/kg dry	Plant 2 Cake	01/23/2018	ND	24	120
			ניש פייפיון		Period Mean	<24		.=-
					Period Max	<24		
emi-Volatile	1,2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	2700
emi-volatile Irganic	Trichlorobenzen	LI A 02/00	µg/kg ury	i iaiit i Cake	Period Mean	<1100	1 100	2100
Compounds	e				Period Mean	<1100		
•		EDA 00700	/Icas alms	Diamt 2 Calca	01/23/2018		4000	4000
		EPA 8270C	μg/kg dry	Plant 2 Cake			1900	4600
					Period Mean	<1900		
	Dichlorobenzen e				Period Max	<1900		
		EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	2700
					Period Mean	<570		
					Period Max	<570		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	4600
					Period Mean	<980		
					Period Max	<980		
	1,3-	EPA 8270C μg/kg dry	μg/kg dry	μg/kg dry Plant 1 Cake	01/23/2018	ND	1100	2700
	Dichlorobenzen				Period Mean	<1100		
	е				Period Max	<1100		
		EPA 8270C	μg/kg dry	/kg dry Plant 2 Cake	01/23/2018	ND	1900	4600
					Period Mean	<1900		
					Period Max	<1900		
	1,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	2700
	Dichlorobenzen		1-99		Period Mean	<1100		
	е				Period Max	<1100		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	4600
		LI A 02700	pg/kg dry	I lant 2 dake	Period Mean	<1900	1500	4000
					Period Max	<1900		
	2,4,5-	EPA 8270C	ug/kg day	Plant 1 Cake	01/23/2018		1100	2700
	Z,4,5- Trichlorophenol	LFA 0210C	μg/kg dry	FIAIIL I CAKE	Period Mean	<1100	1 100	2100
					Period Max	<1100		
		EDA 00700	المالية المالية	Dloort 0 O-1			1000	4600
		EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		1800	4600
					Period Mean	<1800		
		 			Period Max	<1800		
	2,4,6-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		610	2700
	Trichlorophenol				Period Mean	<610		
					Period Max	<610		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1000	4600
					Period Mean	<1000		
					Period Max	<1000		
	2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	540	2700
	Dichlorophenol				Period Mean	<540		
					Period Max	<540		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	940	4600
				Period Mean	<940		
				Period Max	<940		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	2700
Dimethylphenol				Period Mean	<1100		
				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1800	4600
				Period Mean	<1800		
				Period Max	<1800		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	2700	5400
Dinitrophenol				Period Mean	<2700		
				Period Max	<2700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	4600	9200
		100,		Period Mean	<4600		
				Period Max	<4600		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		650	2700
Dinitrotoluene		1.99 4.7		Period Mean	<650		5
				Period Max	<650		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1100	460
	217102700	µg/kg diy	I Idili 2 Odilo	Period Mean	<1100	1100	100
				Period Max	<1100		-
2,6-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		770	270
Dinitrotoluene	LI A 02/00	µg/kg diy	I latt I Cake	Period Mean	<770	110	210
				Period Max	<770		-
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1300	460
	EPA 62/0C	µg/kg dry	Flatil 2 Cake	Period Mean	<1300	1300	400
				Period Max	<1300		
2	EDA 00700	/Icas almi	Diamt 4 Calca			540	270
2- Chloronaphthale	EPA 8270C	µg/kg dry	Plant 1 Cake	01/23/2018		540	270
ne				Period Mean	<540		-
	EDA 00700		Diamet O Oalaa	Period Max	<540	0.40	400
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	460
				Period Mean	<940		-
0.011	ED 4 00700	// /	DI 1101	Period Max	<940	570	070
2-Chlorophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	270
				Period Mean	<570		
	EDA 00700	// /	DI 1001	Period Max	<570	000	400
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	460
				Period Mean	<980		
				Period Max	<980		
2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	270
Methylnaphthale ne				Period Mean	<570		-
				Period Max	<570		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	460
				Period Mean	<980		
				Period Max	<980		
2-Methylphenol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		650	270
				Period Mean	<650		
				Period Max	<650		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1100	460
				Period Mean	<1100		
				Period Max	<1100		
2-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	540	270
				Period Mean	<540		
				Period Max	<540		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	940	460
				Period Mean	<940		
				Period Max	<940		-

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
2-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	270
				Period Mean	<1100		
				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1900	460
				Period Mean	<1900		
				Period Max	<1900		
3,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1200	670
Dichlorobenzidi		100,		Period Mean	<1200		
ne				Period Max	<1200		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		2100	120
		13.3		Period Mean	<2100		
				Period Max	<2100		
3-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	270
o ma camino	217102700	µg/ng ary	Tiant Toats	Period Mean	<1100	1100	
				Period Max	<1100		+
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	460
	LI A 02/00	µg/kg dry	I Idilit Z Odke	Period Mean	<1900	1300	700
				Period Mean	<1900		
4,6-Dinitro-2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	340
methylphenol	LFA 02/00	µg/kg ury	FIGHT I CAKE			1100	340
ouryipiiGiioi				Period Mean Period Max	<1100 <1100		
	EDA 00700		Diamet O. Oalaa			4000	500
	EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		1900	590
				Period Mean	<1900		
L				Period Max	<1900		
4-Bromophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		610	270
phenyl ether				Period Mean	<610		
				Period Max	<610		
	EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		1000	460
				Period Mean	<1000		
				Period Max	<1000		
4-Chloro-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	270
methylphenol				Period Mean	<570		
				Period Max	<570		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	460
				Period Mean	<980		
				Period Max	<980		
4-Chloroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	270
				Period Mean	<1100		
				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1900	460
				Period Mean	<1900		
				Period Max	<1900		
4-Chlorophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		690	270
phenyl ether			1	Period Mean	<690		
				Period Max	<690		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1200	460
		pg/ng ury	7 Idilit 2 Odilo	Period Mean	<1200	1200	-100
				Period Max	<1200		
4-Methylphenol	EDA 92700	ua/ka dry	Plant 1 Cake	01/23/2018		1100	270
+-ivietriyiprieriol	LFA 02/00	µg/kg dry	FIGHT I CAKE	Period Mean		1100	210
					32000		
	EDA 00700		DI	Period Max	32000	1000	100
	EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		1900	460
				Period Mean	<1900		-
				Period Max	<1900		
4-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	670
				Period Mean	<1100		
				Period Max	<1100		

nmary of gory	Priority Pollu Parameter	tants and Ti Method	ace Constitu Units	uents Analysis i Sample	n Biosolids for Sample Date	2018 - Ja Result	nuary - Febru _{MDL}	ary RL
				Location				
		EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		1900	12000
					Period Mean	<1900		
					Period Max	<1900		
	4-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	6700
					Period Mean	<1100		
					Period Max	<1100		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	2000	12000
					Period Mean	<2000		
					Period Max	<2000		
	Acenaphthene	EPA 8270C	µg/kg dry	Plant 1 Cake	01/23/2018		540	2700
	7 tochaphanone	217102700	pg/kg dry	Tidile Todalo	Period Mean	<540	040	2700
					Period Max	<540		
		EDA 0070C	/lear alm.	Diamt 2 Calca			0.40	4000
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	4600
					Period Mean	<940		
					Period Max	<940		
	Acenaphthylene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	2700
					Period Mean	<570		
					Period Max	<570		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	4600
					Period Mean	<980		
					Period Max	<980		
	Aniline	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		690	3400
	7		F9/119 417	l lant i Gant	Period Mean	<690		0.00
					Period Max	<690		
		EPA 8270C	ualka dar	Plant 2 Cake	01/23/2018		1200	5900
		EPA 02/0C	μg/kg dry	Plant 2 Cake			1200	5900
					Period Mean	<1200		
					Period Max	<1200		
	Anthracene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		650	2700
					Period Mean	<650		
					Period Max	<650		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1100	4600
					Period Mean	<1100		
					Period Max	<1100		
	Azobenzene/1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	2700
	Diphenylhydrazi		13 3 3			<570		
	ne				Period Max	<570		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	4600
		LFA 02/0C	µg/kg ury	Flant 2 Cake			900	4000
					Period Mean	<980		
					Period Max	<980		
	Benz(a)anthrac	EPA 8270C	µg/kg dry	Plant 1 Cake	01/23/2018		570	2700
	ene				Period Mean	<570		
					Period Max	<570		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	4600
					Period Mean	<980		
					Period Max	<980		
	Benzidine	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	5400	11000
					Period Mean	<5400		
					Period Max	<5400		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		9200	19000
			רשייש שין	. ISIN 2 OUNO	Period Mean	<9200	3200	10000
					Period Max	<9200		
	Panza/a\w:	EDA 00700	الماليمين	Dignet 4 Only			E40	0700
	Benzo(a)pyrene	EPA 82/00	µg/kg dry	Plant 1 Cake	01/23/2018		540	2700
					Period Mean	<540		
					Period Max	<540		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	4600
					Period Mean	<940		
					Period Max	<940		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Benzo(b)fluoran	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	2700
thene		100,		Period Mean	<570		_
				Period Max	<570		+
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	4600
		F-9···9·)		Period Mean	<980		1.00
				Period Max	<980		+
Benzo(g,h,i)pery	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		890	2700
lene	217102700	pg/kg dry	I lant I dake	Period Mean	<890	000	2700
				Period Max	<890		+
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1500	4600
	LI A 02100	µg/kg diy	I lant 2 dake	Period Mean	<1500	1000	7000
				Period Max	<1500		+
Benzo(k)fluorant	EDA 9270C	ug/kg dry	Plant 1 Cake	01/23/2018		570	2700
hene	EPA 6270C	μg/kg dry	Flatit I Cake	Period Mean	<570	370	2700
Tiorio				Period Max	<570 <570		+
	EDA 00700		Diamet O Oalaa			000	4000
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	4600
				Period Mean	<980		-
	EDA 22727	, .	DI	Period Max	<980	0000	0==
Benzoic acid	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		2800	6700
				Period Mean	<2800		
				Period Max	<2800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		4800	1200
				Period Mean	<4800		
				Period Max	<4800		
Benzyl alcohol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1200	2700
E				Period Mean	<1200		
				Period Max	<1200		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	2100	4600
			Period Mean	<2100			
				Period Max	<2100		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	2700
chloroethoxy)m				Period Mean	<1100		
ethane				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	4600
		100,		Period Mean	<1900		+
				Period Max	<1900		+
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	2700
chloroethyl)ethe		1 3 3 7		Period Mean	<570	- -	1
r				Period Max	<570		+
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	4600
	_1 / (02/00	pg/ng dry	I Idill 2 Oake	Period Mean	<980	000	7000
				Period Max	<980		+
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	2700
chloroisopropyl)	LFA 02/00	µg/kg ury	Fiant i Cake	Period Mean	<1100	1100	2100
ether							-
	EDA 00700	1100/lear al	Dignt 0.0-1	Period Max	<1100	1000	4000
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	4600
				Period Mean	<1900		-
D: (0		, .		Period Max	<1900		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		730	2700
ethylhexyl)phtha				Period Mean	7700		
late				Period Max	7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1300	4600
				Period Mean	9800		
				Period Max	9800		
Butyl benzyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	650	2700
phthalate				Period Mean	<650		
				Period Max	<650		+

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1100	4600
		100,000		Period Mean	<1100		1.5
				Period Max	<1100		
Chrysene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		610	270
O'll yours	2.7102700	µg/ng ary	r iant i dano	Period Mean	<610	0.10	
				Period Max	<610		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1000	460
	LI A 0270C	µg/kg diy	I lant 2 Cake	Period Mean	<1000	1000	400
				Period Max	<1000		-
Dibenz(a,h)anth	EDA 9270C	μg/kg dry	Plant 1 Cake	01/23/2018		810	340
racene	LI A 0270C	µg/kg diy	I lant I Cake	Period Mean	<810	010	340
				Period Max	<810		+
	EDA 9270C	ua/ka dm/	Dlant 2 Calca			1400	590
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1400	590
				Period Mean	<1400		
D.1	ED 4 00700	, ,	DI 1101	Period Max	<1400	5.40	070
Dibenzofuran	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		540	270
				Period Mean	<540		
	ED4.05		Di (5.5.)	Period Max	<540	0.40	
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	460
				Period Mean	<940		
				Period Max	<940		
Diethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		770	270
phthalate				Period Mean	<770		
				Period Max	<770		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1300	460
				Period Mean	<1300		
				Period Max	<1300		
Dimethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	540	270
phthalate				Period Mean	<540		
				Period Max	<540		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	940	460
				Period Mean	<940		
				Period Max	<940		
Di-n-butyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	730	270
phthalate				Period Mean	<730		
				Period Max	<730		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	1300	460
				Period Mean	<1300		
				Period Max	<1300		
Di-n-octyl	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	730	270
phthalate				Period Mean	<730		
				Period Max	<730		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1300	460
		. 5 5 ,		Period Mean	<1300		
				Period Max	<1300		
Fluoranthene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	270
		ן יש פיייפייו	l	Period Mean	<570	- · •	
				Period Max	<570		+
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	460
	LI A 02/00	pg/kg diy	I Idill 2 Care	Period Mean	<980	000	700
				Period Max	<980		
Eluorono	EDA 92700	110/kg d	Dignt 1 Calca			570	070
Fluorene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	270
				Period Mean	<570		-
	EDA 20722		DI- 100:	Period Max	<570	000	40-
	EPA 8270C	µg/kg dry	Plant 2 Cake	01/23/2018		980	460
				Period Mean	<980		
I .		1		Period Max	<980		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
Hexachlorobenz	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	270
ene				Period Mean	<570		
				Period Max	<570		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	460
				Period Mean	<980		
				Period Max	<980		
Hexachlorobuta	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1100	270
diene				Period Mean	<1100		
				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	460
				Period Mean	<1900		
				Period Max	<1900		
Hexachlorocyclo	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	670
pentadiene		[-3···3·)		Period Mean	<1100		
•				Period Max	<1100		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	120
		ניט פיי,פין		Period Mean	<1900	1.000	1.20
				Period Max	<1900	-	+
Hexachloroetha	FPΔ 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	270
ne	LI A 02/00	pg/ng dry	I Idill I Oake	Period Mean	<1100	1100	210
				Period Max	<1100		-
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1900	460
	EFA 6270C	µg/kg dry	Platit 2 Cake	Period Mean	<1900	1900	400
				Period Max	<1900		
Indona(4.0.0	EDA 00700		Diant 1 Calca			1100	270
Indeno(1,2,3- cd)pyrene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		1100	2/0
				Period Mean	<1100		-
	EDA 00700		DI 1001	Period Max	<1100	1000	100
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1800	460
				Period Mean	<1800		
				Period Max	<1800		
Isophorone	EPA 8270C μ	8270C µg/kg dry	Plant 1 Cake	01/23/2018		540	270
				Period Mean	<540		_
				Period Max	<540		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	460
				Period Mean	<940		
				Period Max	<940		
Naphthalene	EPA 8270C	µg/kg dry	Plant 1 Cake	01/23/2018		540	270
				Period Mean	<540		
				Period Max	<540		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		940	460
				Period Mean	<940		
				Period Max	<940		
Nitrobenzene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	270
				Period Mean	<570		
				Period Max	<570		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	460
				Period Mean	<980		
				Period Max	<980		
N-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	270
Nitrosodimethyl				Period Mean	<570		
amine				Period Max	<570		
	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		980	460
		נייי פיייפיון		Period Mean	<980		
				Period Max	<980		
N-Nitroso-di-n-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		570	200
propylamine	L1 X 02100	pg/ng dry	I Idill I Care	Period Mean	<570	070	200
				TECHOU INCALL	-U1U		

Category	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	980	3500
					Period Mean	<980		
					Period Max	<980		
	N-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		650	2700
	Nitrosodiphenyl		13.3		Period Mean	<650		
	amine				Period Max	<650		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1100	4600
		217102700	pg/kg dry	Tiant 2 date	Period Mean	<1100	1100	4000
					Period Max	<1100		
	Pentachlorophe	EDA 9270C	μg/kg dry	Plant 1 Cake	01/23/2018		2800	6700
	nol	EPA 6270C	µg/kg diy	Plant I Cake	Period Mean	<2800	2000	0700
						<2800		
		ED 4 00700	" 1	DI 1001	Period Max		1000	40000
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		4800	12000
					Period Mean	<4800		
					Period Max	<4800		
	Phenanthrene	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018		540	2700
					Period Mean	<540		
					Period Max	<540		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	940	4600
					Period Mean	<940		
					Period Max	<940		
	Phenol	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	730	2700
			13.3		Period Mean	<730		
					Period Max	<730		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018		1300	4600
	Pyrene	LI A 02700	pg/kg dry	I lant 2 dake	Period Mean	<1300	1000	4000
					Period Max	<1300		
		EDA 00700		Disast 4 Oslas			4400	0700
		EPA 8270C μg/kg dry	μg/kg dry	Plant 1 Cake	01/23/2018		1100	2700
				Period Mean	<1100			
					Period Max	<1100		
		EPA 8270C μg/kg dry	µg/kg dry	μg/kg dry Plant 2 Cake	01/23/2018		1900	4600
					Period Mean	<1900		
					Period Max	<1900		
	Pyridine	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	ND	1200	2800
					Period Mean	<1200		
					Period Max	<1200		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	ND	2100	4800
					Period Mean	<2100		
					Period Max	<2100		
rganochlorine	Aldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		260	1800
esticides			1.5 5		Period Mean	<260		
					Period Max	<260		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		230	1500
			רטייט אין	Z Odno	Period Mean	<230		.000
					Period Max	<230		
	alpha-BHC	EPA 8081A	ua/ka day	Plant 1 Cake	01/23/2018		220	1800
	αιμπα-ΒΠΟ	LFA 000 IA	μg/kg dry	FIAIIL I CAKE	Period Mean	2800	220	1000
		EDA 00011		DI- 100	Period Max	2800	400	1500
		EPA 8081A	µg/kg dry	Plant 2 Cake	01/23/2018		190	1500
					Period Mean	520 DNQ		
					Period Max	520 DNQ		
	beta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	13000	690	1800
					Period Mean	13000		
					Period Max	13000		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	600	1500
					Period Mean	<600		
					Period Max	<600		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Chlordane	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	8100	26000
				Period Mean	<8100		
				Period Max	<8100		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	7000	2300
				Period Mean	<7000		
				Period Max	<7000		
delta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		420	1800
		F-9···9·)		Period Mean	<420		1.000
				Period Max	<420		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		360	1500
		F99 a)	i iaini 2 Gaine	Period Mean	<360		
				Period Max	<360		
Dieldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		220	1800
Dielailii	LI A 000 IA	µg/kg diy	I latt I Cake	Period Mean	<220	220	1000
				Period Max	<220		
	EDA 0004A	/Icas almir	Dlamt 2 Calca			100	4500
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		190	1500
				Period Mean	<190		
F 1 15 1	EDA 22211	, .	DI	Period Max	<190	100	
Endosulfan 1	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		180	1800
				Period Mean	<180		
				Period Max	<180		
	EPA 8081A	μg/kg dry	Plant 2 Cake		1200 DNQ	160	1500
				Period Mean	1200 DNQ		
				Period Max	1200 DNQ		
Endosulfan 2	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	580 DNQ	300	1800
				Period Mean	580 DNQ		
				Period Max	580 DNQ		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	14000	260	1500
				Period Mean	14000		
				Period Max	14000		
Endosulfan	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	290	1800
Sulfate				Period Mean	<290		
				Period Max	<290		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		250	1500
		F99 a)	i iaini 2 Gaine	Period Mean	570 DNQ		
				Period Max	570 DNQ		
Endrin	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		320	1800
LIGHT		pg/ng dry	I MILL I CARE	Period Mean	<320	020	1000
				Period Max	<320		
	EPA 8081A	المرادم طب	Dignt 2 Calif	01/23/2018		200	4500
	EPA 8U8 TA	μg/kg dry	Plant 2 Cake			280	1500
				Period Mean	<280		
	EDA 00044	, ,	DI 1101	Period Max	<280	100	1000
Endrin Aldehyde	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		180	1800
				Period Mean	<180		
				Period Max	<180		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		150	1500
				Period Mean	<150		
				Period Max	<150		
Endrin Ketone	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	510	1800
				Period Mean	<510		
				Period Max	<510		
	EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	440	1500
				Period Mean	<440		
				Period Max	<440		
gamma-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		480	1800
		1 J. J J		Period Mean	<480		1.230
	1	I		Period Max	<480		

ory	Parameter	Method	Units	ents Analysis i	Sample Date	Result	MDL MDL	RL RL
		EDA 0004A	/Icas alm.s	Location	04/02/2040	ND	400	4500
		EPA 8081A	µg/kg dry	Plant 2 Cake	01/23/2018		420	1500
					Period Mean	<420		
					Period Max	<420		
	Heptachlor	EPA 8081A	µg/kg dry	Plant 1 Cake	01/23/2018		220	1800
					Period Mean	<220		
					Period Max	<220		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	190	1500
					Period Mean	<190		
					Period Max	<190		
	Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	5000	440	1800
	Epoxide				Period Mean	5000		
					Period Max	5000		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	380	1500
			13 3 3		Period Mean	<380		
					Period Max	<380		
	Kepone	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		26000	78000
	Торопо	Li 7(000 i/ (pg/kg dry	Tiant Touto	Period Mean	<26000	20000	70000
					Period Max	<26000		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		23000	68000
		EPA 000 IA	µg/kg diy	Platit 2 Cake			23000	00000
					Period Mean	<23000		
		504.00044		DI (10)	Period Max	<23000	170	0.100
	Methoxychlor	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		470	3400
					Period Mean	<470		
					Period Max	<470		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		410	3000
					Period Mean	<410		
					Period Max	<410		
	Mirex	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	280	1800
					Period Mean	<280		
					Period Max	<280		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	240	1500
					Period Mean	<240		
					Period Max	<240		
	o,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	190	1800
	,"		13 3 3			<190		
					Period Max	<190		
		EPA 8081A	µg/kg dry	Plant 2 Cake	01/23/2018		160	1500
		Li 7(000 i/ (pg/kg dry	Tiant 2 date	Period Mean	<160	100	1000
					Period Max	<160		
	o,p'-DDE	EPA 8081A	ug/kg day	Plant 1 Cake	01/23/2018		340	1800
	υ,ρ -υυ <u>Ε</u>	LFA 000 IA	μg/kg dry	FIAIIL I CAKE	Period Mean	<340	340	1000
		EDA 00044		DI	Period Max	<340	000	4500
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		290	1500
					Period Mean	<290		
		ED 4 222 : :			Period Max	<290	0.55	
	o,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Cake	01/23/2018		280	1800
					Period Mean	<280		
					Period Max	<280		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		240	1500
					Period Mean	<240		
					Period Max	<240		
	p,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	570	1800
					Period Mean	<570		
					Period Max	<570		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	490	1500
					Period Mean	<490		
	1				Period Max	<490		

Category	Parameter	Method	Units	ients Analysis i Sample	Sample Date	Result	MDL	RL
ategory				Location				IVE
	p,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018		250	1800
					Period Mean	<250		
					Period Max	<250		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018	ND	210	1500
					Period Mean	<210		
					Period Max	<210		
	p,p'-DDT	EPA 8081A	μg/kg dry	Plant 1 Cake	01/23/2018	ND	610	1800
	"		13.3		Period Mean	<610		
					Period Max	<610		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		530	1500
		Li 71 000 i/1	pg/kg dry	Tiant 2 date	Period Mean	<530	000	1000
					Period Max	<530		
	Tayanhana	EDA 9094A	ualka dar	Dlant 1 Cake			16000	60000
	Toxaphene	EPA 8081A	µg/kg dry	Plant 1 Cake	01/23/2018		16000	69000
					Period Mean	<16000		
					Period Max	<16000		
		EPA 8081A	μg/kg dry	Plant 2 Cake	01/23/2018		14000	60000
					Period Mean	<14000		
					Period Max	<14000		
Bs	PCB 1016	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018	ND	140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018		120	360
			1-3/37		Period Mean	<120	1	
					Period Max	<120		
	PCB 1221	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018		140	400
		EFA 0002	µg/kg diy	Plant I Cake			140	400
					Period Mean	<140		
		554.000		DI (00)	Period Max	<140	100	
		EPA 8082 μg/kg dry	Plant 2 Cake	01/23/2018		120	360	
					Period Mean	<120		
				DI 1101	Period Max	<120		
	PCB 1232	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018	ND	140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018	ND	120	360
					Period Mean	<120		
					Period Max	<120		
	PCB 1242	EPA 8082	µg/kg dry	Plant 1 Cake	01/23/2018	ND	140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018		120	360
		LI A 0002	µg/Ng ury	I Idill 2 Cake	Period Mean	<120	120	000
					Period Max	<120		
	DOD 4040	EDA 0000	المالية المالية	Dloot 4 O-1			140	400
	PCB 1248	EPA 8082	µg/kg dry	Plant 1 Cake	01/23/2018		140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018		120	360
					Period Mean	<120		
					Period Max	<120		
	PCB 1254	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018	ND	140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018	ND	120	360
			1.5 5		Period Mean	<120	-	
					Period Max	<120		
	PCB 1260	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018		140	400
	1 00 1200	Li 7 0002	µg/kg uly	I Idill I Cake	Period Mean	<140	170	700
	1				Period Max	<140		

Category	Parameter	Method	Units	Sample	Sample Date	Result	nuary - Februar MDL	RL
Julogory	r dramotor		Omis	Location				
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018		120	360
					Period Mean	<120		
					Period Max	<120		
	PCB_HR_DM	EPA 8082	μg/kg dry	Plant 1 Cake	01/23/2018	ND	140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8082	μg/kg dry	Plant 2 Cake	01/23/2018	ND	120	360
			13.3		Period Mean	<120		
					Period Max	<120		
erbicides	2,4,5-TP	EPA 8151A	μg/kg dry	Plant 1 Cake	01/23/2018		8.6	45
CIDIOIGCO	(Silvex)	2171010171	pg/kg dry	Tidile Todilo	Period Mean	<8.6	0.0	40
	(=,				Period Max	<8.6		
		EDA 0454A		Disease O. Osalas			7.0	00
		EPA 8151A	µg/kg dry	Plant 2 Cake	01/23/2018		7.3	38
					Period Mean	<7.3		
					Period Max	<7.3		
	2,4-D	EPA 8151A	μg/kg dry	Plant 1 Cake	01/23/2018		27	45
					Period Mean	290		
					Period Max	290		
		EPA 8151A	μg/kg dry	Plant 2 Cake	01/23/2018	1300	23	38
					Period Mean	1300		
					Period Max	1300		
	Pentachlorophe	FPA 8151A	μg/kg dry	Plant 1 Cake	01/23/2018		2.3	45
	nol		F-9/···9 4.7	i idini i Ganis	Period Mean	<2.3		
					Period Max	<2.3		
		EPA 8151A	μg/kg dry	Plant 2 Cake	01/23/2018		1.9	38
		EFACISIA	µg/kg diy	Flatil 2 Cake			1.8	30
					Period Mean	<1.9		
					Period Max	<1.9		
oxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g dry	Plant 1 Cake	01/23/2018		0.70	5.5
					Period Mean	<0.70		
					Period Max	<0.70		
		EPA 1613B	pg/g dry	Plant 2 Cake	01/23/2018	ND	1.1	4.8
					Period Mean	<1.1		
					Period Max	<1.1		
entatively	17-(1,5-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	650000		4100
entified	DIMETHYLHEX				Period Mean	650000		
ompounds	YL)-10,13-				Period Max	650000		
	9-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018			4100
	OCTADECENOI		pg/ng ary	I laik i Gako	Period Mean	86000		1100
	C ACID, (E)-				Period Max	86000		
		EDA 0070C	/lear alm.e	Diamat O Calca	01/23/2018			7000
	Cholest-4-en-3- one	EPA 02/0C	μg/kg dry	Plant 2 Cake				7000
	Offic				Period Mean	79000		
					Period Max	79000		
	Docosane	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018			7000
					Period Mean	46000		
					Period Max	46000		
	Heneicosane	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	22000		4100
					Period Mean	22000		
					Period Max	22000		
	Hexacosane	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	21000		4100
					Period Mean	21000		
					Period Max	21000		
	n-Hexadecanoic	EDΔ 8270€	μg/kg dry	Plant 1 Cake	01/23/2018			4100
	acid	LI A 02/00	µg/kg uly	I Idill I Cake	Period Mean	87000		7100
	3014							
		EDA 20722		DI- 100	Period Max	87000		7000
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018			7000
					Period Mean	180000		
					Period Max	180000		

Summary o	f Priority Pollu	tants and Tr	ace Constitu	ients Analysis i	n Biosolids for	2018 - Jai	านary - Febrเ	uary
Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	OCTADECANOI	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	57000		7000
	C ACID				Period Mean	57000		
					Period Max	57000		
	Oleic Acid	EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	130000		7000
					Period Mean	130000		
					Period Max	130000		
	STIGMAST-4-	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	32000		4100
	EN-3-ONE				Period Mean	32000		
					Period Max	32000		
	UNKNOWN	EPA 8270C	μg/kg dry	Plant 1 Cake	01/23/2018	650000		4100
					Period Mean	650000		
					Period Max	650000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	01/23/2018	65000		7000
					Period Mean	65000		
					Period Max	65000		

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eral	Ammonia-N	SM 4500 NH3 G	mg/kg dry	Plant 1 Cake	03/20/2018	6700	280	1400
nistry			weight		03/27/2018	6000	270	1300
	Ammonia-N Hexavalent Chromium Kjeldahl Nitrogen Nitrate-N				04/17/2018	6500	280	1400
					04/24/2018	6100	270	1400
					Period Mean	6300		
	SM 4500 NH3 G mg/kg dry weight Plant 2 Cake 03/20/2018 5500 5500 5400 04/24/2018 5600 04/24/2018 5600 Period Mean 5600 Period Mean 5600 Period Max 5600 Period Mean 5414 Period Max 5414 Period Mean 5415 Period Mean 5414 Period Mean 5415 Period Mean							
		SM 4500 NH3 G	mg/kg dry	Plant 2 Cake	03/20/2018	5500	240	1200
					03/27/2018	5400	230	1100
					04/17/2018	5900	240	1200
					04/24/2018	5600	250	1300
					Period Mean	5600		
						5900		
	Hexavalent	EPA 7196A	ma/ka drv	Plant 1 Cake	04/17/2018		14	28
				i idiii i Gaile				
		FPA 7196A	ma/ka dry	Plant 2 Cake			12	24
		2171710071		Tiam 2 Gans			1.2	
	Kieldahl	FPΔ 351 2	ma/ka dry	Plant 1 Cake			1900	5300
		LI A 001.2		Tiant Toake			8300	11000
	J 9		g				8000	11000
							7900	10000
							7 900	10000
		weight Feat Feat						
		EDA 351 2	ma/ka dn/	Plant 2 Cake			1700	4700
		EPA 331.2		Platit 2 Cake			7500	10000
			Weight				6200	8300
							7000	9400
								9400
			mg/kg dry					
	Nitrata N	EDA 200 0		Diant 1 Cake			4.5	6.2
	ivitiate-iv	EPA 300.0		Plant I Cake				
			Weight				4.3	5.9
							4.5	6.2
							4.4	6.0
		EDA 000 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DI 1001				5.0
		EPA 300.0		Plant 2 Cake			3.9	5.3
			weigni				3.7	5.1
							3.8	5.3
							4.1	5.7
	Nitrite-N	EPA 300.0		Plant 1 Cake			6.2	8.5
			weignt				5.9	8.1
							6.2	8.4
					04/24/2018		6.0	8.2
					Period Mean	<6.2		
					Period Max	<6.2		
		EPA 300.0	mg/kg dry	Plant 2 Cake	03/20/2018		5.3	7.3
			weight		03/27/2018		5.1	6.9
					04/17/2018	ND	5.3	7.2
					04/24/2018	ND	5.7	7.7
					Period Mean	<5.7		
					Period Max	<5.7		
	Organic Lead	HML 939-M	mg/kg dry	Plant 1 Cake	04/17/2018	ND	0.13	0.31
			weight		Period Mean	<0.13		
					Period Max	<0.13		

tegory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
		HML 939-M	mg/kg dry	Plant 2 Cake	04/17/2018	ND	0.11	0.27
			weight		Period Mean	<0.11		
					Period Max	<0.11		
	Organic	CALC	mg/kg dry	Plant 1 Cake				
	Nitrogen		weight					
				03/27/2018 46000				
	pH Total Cyanide Total Nitrogen							
		CALC	mg/kg dry	Plant 2 Cake				
			weight					
					04/24/2018	42000		
					Period Mean	43000		
					Period Max	53000		
	рH	EPA 9045C	pH units	Plant 1 Cake	03/20/2018	8.0	0.10	0.1
			ľ		03/27/2018	7.9	0.10	0.1
								0.1
								0.1
							0.10	0.1
		EDA 00450		Diama O Calca			0.40	0.4
		EPA 9045C	pH units	Plant 2 Cake				0.1
								0.1
								0.1
							0.10	0.1
	Total Cyanide EP							
					Period Max	8.2		
		EPA 9014	mg/kg dry	Plant 1 Cake	04/17/2018	ND	2.4	2.8
			weight		Period Mean	<2.4		
					Period Max	<2.4		
		EPA 9014	mg/kg dry Plant 2 Cake 04/17/2018 2.3 DNQ 2.1	2.1	2.4			
			weight					
	Total Nitrogen	CALC	mg/kg dry	Plant 1 Cake				
		0.1.20	weight	l lant i Gant				
		241.5		B				
		CALC	mg/kg dry	Plant 2 Cake	03/20/2018			
			weight		03/27/2018			
					04/17/2018			
					04/24/2018			
					Period Mean	48000		
					Period Max	58000		
	Total Solids	SM 2540G	%	Plant 1 Cake	03/20/2018	18	0.050	0.050
					03/27/2018	19	0.050	0.050
					04/17/2018	18	0.050	0.050
					04/24/2018		0.050	0.050
					Period Mean	18		
	SM 2540G			Period Max	19			
		%	Plant 2 Cake	03/20/2018		0.050	0.050	
		31VI 2040G	/0	FIAIIL Z CAKE				
					03/27/2018		0.050	0.050
					04/17/2018		0.050	0.050
					04/24/2018		0.050	0.050
					Period Mean	21		
					Period Max	22		

Summary of	Priority Pol	lutants and Ti	race Constitu	ients Analysis i	n Biosolids for	2018 - Ma	rch - April	
Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Trace Elements	Antimony	EPA 6010B	mg/kg dry	Plant 1 Cake	04/17/2018	ND	2.0	28
			weight		Period Mean	<2.0		
	Arsenic Beryllium Cadmium				Period Max	<2.0		
		EPA 6010B	mg/kg dry	Plant 2 Cake	04/17/2018	ND	1.8	24
			weight		Period Mean	<1.8		
					Period Max	<1.8		
	Arsenic	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018	11 DNQ	3.1	17
			weight		03/27/2018		2.9	16
					04/17/2018		3.0	17
					04/24/2018		3.0	16
					Period Mean	13 DNQ		
					Period Max	17		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018		2.6	14
		LI A OUTOD	weight	I lant 2 dake	03/27/2018		2.5	14
					04/17/2018		2.7	14
							2.8	15
							2.0	15
	- ···	5D4 0040D	, ,	DI (10)			0.007	
	Beryllium	EPA 6010B		Plant 1 Cake			0.067	2.8
			weight					
		EPA 6010B		Plant 2 Cake			0.058	2.4
			weight Period Mean Period Max <0.067 B mg/kg dry weight Plant 2 Cake 04/17/2018 ND B mg/kg dry weight Plant 1 Cake 03/20/2018 1.8 DNQ B mg/kg dry weight Plant 1 Cake 03/20/2018 1.6 DNQ 04/17/2018 2.1 DNQ 04/17/2018 2.3 DNQ Period Mean Period Mean Period Max 2.3 DNQ Period Max 2.3 DNQ Period Max 3.7 03/27/2018 4.4 04/17/2018 3.3 04/24/2018 3.6 Period Mean 3.8 Period Max 4.4 Period Mean Available 3.8 Period Max 4.4					
					Period Max	<0.058		
	Cadmium	EPA 6010B		Plant 1 Cake	03/20/2018	1.8 DNQ	0.14	2.8
			weight		03/27/2018	1.6 DNQ	0.13	2.6
		04/17/2018 2.1 DNQ 0.14	0.14	2.8				
			04/17/2018 2.1 DNQ 0.14 04/24/2018 2.3 DNQ 0.14	0.14	2.7			
					Period Mean	2.0 DNQ		
					Period Max	2.3 DNQ 0.14 2.7 2.0 DNQ 2.3 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	3.7	0.12	2.4
							0.11	2.3
							0.12	2.4
							0.12	2.5
							0	
	Chromium	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018		1.2	11
	Cilionilani	LFA 00 10B	weight	Flant I Cake	03/27/2018		1.1	10
					04/17/2018		1.2	11
					04/24/2018		1.2	11
					Period Mean	32		
		EDA 0040D	7 1	DI 1001	Period Max	37	1.0	0.5
		EPA 6010B	mg/kg dry weight	Plant 2 Cake	03/20/2018		1.0	9.5
			weignt		03/27/2018		0.99	9.2
					04/17/2018		1.0	9.6
					04/24/2018		1.1	10
					Period Mean	42		
					Period Max	46		
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018	320	2.5	14
			weight		2.3	13		
					04/17/2018	480	2.4	14
					04/24/2018	500	2.4	14
					Period Mean	400		
					Period Max	500		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018		2.1	12
			weight		03/27/2018		2.0	11
					04/17/2018		2.1	12
		I	I	I	J-1/1/2010		2.1	12

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	04/24/2018	540	2.2	13
					Period Mean	440	2.2	10
					Period Max	540		
		EDA 0040D	4 1	DI 1401			10	50
	Iron	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018		12	56
			weight		03/27/2018		12	52
	Lead Magnesium				04/17/2018	73000	12	55
					04/24/2018	58000	12	55
					Period Mean	55000		
					Period Max	73000		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	50000	11	48
			weight		03/27/2018	65000	10	46
					04/17/2018		11	48
					04/24/2018		11	50
					Period Mean	64000	11	30
					Period Max	73000		
	Lead	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018		0.76	5.6
			weight		03/27/2018		0.71	5.2
					04/17/2018		0.76	5.5
					04/24/2018	26	0.75	5.5
					Period Mean	14		
					Period Max	26		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	9.9	0.65	4.8
			weight		03/27/2018		0.62	4.6
					04/17/2018		0.66	
					04/24/2018		0.69	
							0.69	5.0
					Period Mean	13		
					Period Max	16		
		EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018		19	
			weight		03/27/2018	4500	17	4.8 5.0 140 130 140 140
					04/17/2018	6900	18	140
					04/24/2018	5600	18	140
					Period Mean	5200		
					Period Max	6900		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	5000	16	120
			weight		03/27/2018		15	110
					04/17/2018		16	120
					04/24/2018		17	130
							17	130
					Period Mean	6800		
					Period Max	7900		
	Mercury	EPA 7471A	mg/kg dry	Plant 1 Cake	03/20/2018		0.066	0.11
			weight		03/27/2018		0.063	0.11
					04/17/2018	0.78	0.13	0.22
					04/24/2018	0.75	0.065	0.11
					Period Mean	0.87		
					Period Max	1.3		
		EPA 7471A	mg/kg dry	Plant 2 Cake	03/20/2018		0.058	0.097
			weight		03/27/2018		0.054	0.090
					04/17/2018		0.12	0.030
					04/24/2018		0.062	0.10
					Period Mean	0.82		
					Period Max	0.97		
	Molybdenum	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018	10 DNQ	0.32	11
	Molybdenum		weight		03/27/2018	9.9 DNQ	0.30	10
					04/17/2018	15	0.31	11
					04/24/2018		0.31	11
					Period Mean	13 DNQ	-	
	Molybdenum							

itegory	Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
				Location				
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	11	0.27	9.5
			weight		03/27/2018	16	0.26	9.2
					04/17/2018	17	0.27	9.6
					04/24/2018	19	0.28	10
					Period Mean	16		
					Period Max	19		
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018	27	1.0	11
			weight		03/27/2018	36	0.94	10
					04/17/2018	33	0.99	11
					04/24/2018	34	0.99	11
					Period Mean	32		
					Period Max	36		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018		0.86	9.5
		LI 7 CO TOD	weight	Tidili 2 Gallo	03/27/2018		0.82	9.2
			3		04/17/2018		0.86	9.6
					04/24/2018		0.90	10
					Period Mean	36	0.90	10
					Period Mean Period Max	40		
	Calamirum	EDA 6040B	no or // cor of m /	Diant 1 Calca			2.4	20
	Selenium	EPA 6010B	mg/kg dry weight	Plant 1 Cake	03/20/2018		3.1	28
			weight		03/27/2018		2.9	26
					04/17/2018		3.1	28
					04/24/2018		3.1	27
					Period Mean	<3.1		
					Period Max	<3.1		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018	ND	2.7	24
			weight		03/27/2018	ND	2.6	23
					04/17/2018	ND	2.7	24
					04/24/2018	ND	2.8	25
					Period Mean	<2.8		
					Period Max	<2.8		
	Silver	EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018	3.6 DNQ	0.79	14
			weight		03/27/2018	3.2 DNQ	0.74	13
					04/17/2018		0.78	14
					04/24/2018		0.78	14
						4.2 DNQ		
					Period Max	5.5 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018		0.67	12
		LI A GOTOD	weight	Tiant 2 Gaic	03/27/2018		0.65	11
			3		04/17/2018		0.68	12
					04/17/2018		0.00	13
					Period Mean		0.71	13
					Period Max	4.6 DNQ 5.7 DNQ		
	Th - 10:	EDA 0040D		Disast 4 Oslas			4.0	00
	Thallium	EPA 6010B	mg/kg dry weight	Plant 1 Cake	04/17/2018		1.8	28
			Weight		Period Mean	<1.8		
					Period Max	<1.8		
		EPA 6010B	mg/kg dry	Plant 2 Cake	04/17/2018		1.6	24
			weight		Period Mean	<1.6		
					Period Max	<1.6		
	Zinc EPA 6010B	mg/kg dry	Plant 1 Cake	03/20/2018		9.6	28	
		weight		03/27/2018	450	9.0	26	
				04/17/2018	620	9.5	28	
					04/24/2018	630	9.5	27
	EPA 60				Period Mean	540		
					Period Max	630		
		EPA 6010B	mg/kg dry	Plant 2 Cake	03/20/2018		8.2	24
			weight		03/27/2018		7.9	23
					750	8.3	24	

ategory		Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
					04/24/2018	780	8.7	25
					Period Mean	680		
					Period Max	780		
olatile Organic	1,1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
ompounds	Tetrachloroetha				Period Mean	<27		
	ne				Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	120
			F9/119 41)	i idiii 2 Gailig	Period Mean	<23		
					Period Max	<23		
	1,1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Trichloroethane	LI A 0200B	µg/kg diy	I lant I Cake	Period Mean	<27	21	34
	THOMOTOGUIGHO				Period Max	<27		
		ED 4 0000D	0 1	DI 1001			00	40
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	1 1 1 1	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Tetrachloroetha				Period Mean	<27		
	ne				Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
	Trichloroethane		100		Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LI A 0200B	µg/kg diy	I lant 2 dake	Period Mean	<23	20	70
					Period Max	<23		
	4.4	EDA 0200B	//	Diamet 4 Calca			27	54
	1,1- Dichloroethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		21	54
	Dictilordelliane				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	'	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
	Dichloroethene				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
					Period Mean	<23		
					Period Max	<23		
	1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Dichloropropene		F9/119 41)	i idini i Ganis	Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LI A 0200D	pg/kg diy	I Idill 2 Cane	Period Mean	<23	20	70
					Period Max	<23		
	1 2 2	EDA 0000D	المالية المالية	Dlood 4 Octo			07	140
	1,2,3- Trichlorobenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	140
	e				Period Mean	<27		
	-				Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	120
					Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	270
	Trichloropropan				Period Mean	<27		
	е				Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	230
			. 5 5 ,		Period Mean	<23		
					Period Max	<23		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	14
Trichlorobenzen				Period Mean	<27		
е				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	12
				Period Mean	<23		
				Period Max	<23		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	28 DNQ	27	140 120 54 46 140 120 54 46 54 46 54 46 54 46 54 46 54 46 54
Trimethylbenze				Period Mean	28 DNQ		
ne				Period Max	28 DNQ		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	50	23	46
		13.3		Period Mean	50		
				Period Max	50		
1,2-Dibromo-3-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		54	14
chloropropane	217102002	pg/itg diy	lanc i dano	Period Mean	<54	0.1	
' '				Period Max	<54		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		46	10
	LI A 0200D	µg/kg ury	I Idill 2 Cake	Period Mean	<46	70	12
				Period Mean	<46 <46		
1.2	EDA COCOD	ا المالات المال	Dient 4 Oile			07	
1,2- Dibromoethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
Pibrofficettatie				Period Mean	<27		
				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
				Period Mean	<23		
				Period Max	<23		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
Dichlorobenzen				Period Mean	<27		
E				Period Max	<27		
	EPA 8260B µg/kg dry Plar	Plant 2 Cake	04/17/2018	ND	23	46	
				Period Mean	<23		46
				Period Max	<23		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
Dichloroethane				Period Mean	Period Mean <27		
				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
		100,		Period Mean	<23		
				Period Max	<23		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
Dichloropropane		רים יוים מוין	a.r. i ouro	Period Mean	<27		- 1
' '				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	14
	LFA 0200D	µg/kg diy	Fiant 2 Cake	Period Mean	<23	23	40
125	EDA COCOD	ا المراادية على	Dient 4 Octo	Period Max	<23	07	-
1,3,5- Trichlorobenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
e e				Period Mean	<27		
_				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
				Period Mean	<23		
				Period Max	<23		
1,3,5- Trimethylbenze ne	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
				Period Mean	<27		
				Period Max	<27		
	EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
				Period Mean	<23		
				Period Max	<23		
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
Dichlorobenzen		. 5 5 ,		Period Mean	<27		
Dichlorobenzen							1

ory	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
			13.3		Period Mean	<23		
					Period Max	<23		
	1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Dichloropropane		F-9/···9 4.7	i idiii i Gaile	Period Mean	<27		0.
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LI A 0200B	µg/kg diy	I lant 2 Cake	Period Mean	<23	23	40
					Period Max	<23		
	4.4	EDA GOCOD	//	Diant 1 Calca			07	F.4
	1,4- Dichlorobenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	e				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	2,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
	Dichloropropane				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
			, ,		Period Mean	<23		
					Period Max	<23		
	2-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	140
	2 Officiological	LI / (OZOOB	pg/kg dry	Tiant Touto	Period Mean	<27		140
					Period Max	<27		
		EDA 0000D	//	Diamt 2 Calca			22	100
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	120
					Period Mean	<23		
					Period Max	<23		
	2-Hexanone	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		140	680
					Period Mean	<140		
					Period Max	<140		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	120	580
					Period Mean	<120		
					Period Max	<120		
	4-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
					Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
			,		Period Mean	<23		
					Period Max	<23		
	Acrolein	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		270	2700
			מיוש שיייש	I Idik i Odko	Period Mean	<270	2, 3	2.00
					Period Max	<270		
		EPA 8260B	ua/ka day	Plant 2 Cake	04/17/2018		230	2300
		LFA 0200D	μg/kg dry	FIAIIL Z CAKE	Period Mean	<230	230	2300
	A = m d = !t-:!!	EDA 00005		Dia::440.1	Period Max	<230	E40	0700
	Acrylonitrile	EPA 8260B	µg/kg dry	Plant 1 Cake	04/17/2018		540	2700
					Period Mean	<540		
					Period Max	<540		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		460	2300
					Period Mean	<460		
					Period Max	<460		
	Benzene	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
					Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
			. 5 5 ,		Period Mean	<23		

ory	of Priority Pollu Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
	Bromobenzene	EPA 8260B	μg/kg dry	Location Plant 1 Cake	04/17/2018	ND	27	140
	Diomoberizerie	LI A 0200B	µg/kg diy	I latit I Cake	Period Mean	<27	21	140
					Period Max	<27		
		EPA 8260B	ua/ka dm/	Dlant 2 Cake	04/17/2018		23	120
		EPA 6200B	μg/kg dry	Plant 2 Cake			23	120
					Period Mean	<23		
	D	EDA OCCOD		Diamet 4 Oalea	Period Max	<23	0.7	110
	Bromochloromet hane	EPA 8200B	μg/kg dry	Plant 1 Cake	04/17/2018 Period Mean		27	140
	Tidilo				Period Mean Period Max	<27		
		ED 4 0000D	, ,	DI 1001		<27	00	100
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	120
					Period Mean	<23		
		ED 4 0000D		DI () O I	Period Max	<23	0=	
	Bromodichlorom ethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	etnane				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	Bromoform	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		54	140
					Period Mean	<54		
					Period Max	<54		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	46	120
					Period Mean	<46		
					Period Max	<46		
	Bromomethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
					Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
					Period Mean	<23		
					Period Max	<23		
	Carbon	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
	tetrachloride				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
					Period Mean	<23		
					Period Max	<23		
	Chlorobenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
					Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
			1 3 3 7		Period Mean	<23	-	-
					Period Max	<23		
	Chloroethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		54	140
	2		ניש פיייפייו	- I - IIII	Period Mean	<54		
					Period Max	<54		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		46	120
			רשייש אין	an 2 oano	Period Mean	<46		120
					Period Max	<46		
	Chloroform	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	5111515151111		Hg/Ng ury	I WILL I OWNE	Period Mean	<27		O -1
					Period Max	<27		
		EPA 8260B	ua/ka day	Plant 2 Cake	04/17/2018		23	46
		LFA 0200D	μg/kg dry	FIAIIL Z CAKE	Period Mean	<23	23	40
					Period Max	<23		
	Chloromether	EDA 9360D	110/kg d	Dignt 1 Calca			27	140
	Chloromethane	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	140
			1		Period Mean	<27		

าmary oז	f Priority Pollu	tants and Ti	race Constitu	ients Analysis i	n Biosolids for	2018 - Ma	arch - April	
gory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	23 DNO	23	120
		2.7.02002	pg/ng ary	Tiant 2 dans		23 DNQ		120
						23 DNQ		
	cis-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Dichloroethene	LFA 0200B	µg/kg dry	Flant I Cake	Period Mean	<27	21	J4
	Diornorocaliene				Period Mean			
		ED 1 0000		DI (00)		<27		10
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	cis-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Dichloropropene				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	Dibromochlorom	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
	ethane				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LI / CZOOB	pg/kg dry	Tiant 2 date	Period Mean	<23	20	70
					Period Max	<23		
	Dibromomethan	EDA 9260B	ualka dar	Plant 1 Cake	04/17/2018		27	54
	e	EPA 0200D	μg/kg dry	Plant I Cake			21	04
	C				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	Dichlorodifluoro	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		54	140
	methane				Period Mean	<54		
					Period Max	<54		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	46	120
					Period Mean	<46		
					Period Max	<46		
	Ethylbenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	34 DNQ	27	54
					Period Mean	34 DNQ		
					Period Max	34 DNQ		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	28 DNQ	23	46
			13 3 7			28 DNQ		
					Period Max	28 DNQ		
	Hexachlorobuta	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	140
	diene	L. 7. 0200D	pg/ng dry	I MILL I OAKE	Period Mean	<27	<u></u>	170
					Period Max	<27		
		EDA OGGOD	ualka d=:	Dlant 2 Calca			22	120
		EPA 8260B	µg/kg dry	Plant 2 Cake	04/17/2018 Period Mean		23	120
						<23		
	In about 1 1 1 1 1	EDA 20005		Di- 140 :	Period Max	<23	000	4400
	Isobutyl alcohol	EPA 8260B	µg/kg dry	Plant 1 Cake	04/17/2018		680	1400
					Period Mean	<680		
					Period Max	<680		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		580	1200
					Period Mean	<580		
					Period Max	<580		
	Isopropylbenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
	е				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		

	Parameter	Method	Units	Sample	Sample Date	Result	MDL	R
Period Mean 554 Period Max 554 Period Max 554 Period Max 546 Period Max 546 Period Max 466 Period Max 2600 Period Max 240 DNQ Period								
Period Max 5-54 Period Max 5-54 Period Max 5-54 Period Max 46 Period Max 2600 Period Max 240 DNQ Peri	m,p-Xylenes	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	54	1
EPA 8260B pg/kg dry Plant 2 Cake Period Max 46 Period Max 260 Period Max 220 Period Max 240 DNO Period Max 240 PNO 240 PRIOR MAX 240 PRIOR MAX 240 PNO 240 PRIOR MAX 240 PRIOR					Period Mean	<54		
Methyl ethyl ketone EPA 8260B ug/kg dry Plant 1 Cake Period Max 2600 260					Period Max	<54		
Methyl ethyl ketone		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	46	9
Methyl ethyl ketone EPA 8260B µg/kg dry Plant 1 Cake Period Mean Period Max 2600 04/17/2018 2600 140 EPA 8260B µg/kg dry Plant 2 Cake Period Max 3200 04/17/2018 3200 120 Methylene Chloride EPA 8260B µg/kg dry Plant 1 Cake Period Max 3200 04/17/2018 3200 140 Milbrance Chloride EPA 8260B µg/kg dry Plant 1 Cake Period Max 240 DNQ Perio					Period Mean	<46		
Retorne					Period Max	<46		
Retorne	Methyl ethyl	EPA 8260B	µg/kg dry	Plant 1 Cake	04/17/2018	2600	140	140 27 140 27 140 54 14
Period Max 2600 Period Max 2600 Period Max 2000 Period Max 2000 Period Max 3200 Period Max 240 DNQ Period Max 210 DNQ Period Max 250 DNQ Period								
EPA 8260B µg/kg dry Plant 2 Cake Period Mean 3200 320					Period Max			
Period Mean 2000 Period Max 3200 Period Max 240 DNQ Period Max 246 Period Max 248 Period Max 249 Period Max 249		EPA 8260B	µg/kg dry	Plant 2 Cake	04/17/2018	3200	120	2
Methylene Chloride PA 8260B µg/kg dry Plant 1 Cake Period Mean 240 DNQ 140 DNQ								
Chloride EPA 8260B μg/kg dry Plant 2 Cake Period Mean Period Max 240 DNQ <					Period Max	3200		
Chloride EPA 8260B μg/kg dry Plant 2 Cake Period Mean Period Max 240 DNQ <	Methylene	EPA 8260B	ua/ka drv	Plant 1 Cake	04/17/2018	240 DNQ	140	5
Period Max 240 DNQ 120			13 3 7				-	
Part								
Period Mean 210 DNQ Period Max 268 Period Mean 688 Period Max 588 Period Max 584		EPA 8260B	µg/ka drv	Plant 2 Cake		,	120	4
Period Max Pe			3.13.17	555			1.4	
MIBK								
Period Mean <68 Period Max <68	MIBK	EPA 8260B	ug/ka dry	Plant 1 Cake			68	1
Period Max \$ \$ Period Max \$ \$ \$ Replace of the propertion of the properti		/. 02000	ma, na ar y	I Idili I Jako				
EPA 8260B μg/kg dry Plant 2 Cake Period Mean 558 758							-	-
Period Mean S58 Period Max S58 Period Max S58 S6 S6 S6 S6 S6 S6 S6 S		FPA 8260B	ua/ka dry	Plant 2 Cake			58	
Naphthalene EPA 8260B μg/kg dry Plant 1 Cake Period Max C54 Period Mean C27 Period Mean C23 Period Mean C25 DNQ Period Mean C25 DNQ Period Mean C25 DNQ Period Mean C26 DNQ Period Mean C26 DNQ Period Mean C26 DNQ Period Mean C26 DNQ Period Mean C27 Period Me		LI 7 0200B	µg/kg diy	Tidin 2 Gano			00	
Naphthalene Part Part Cake Part								
Period Mean <54 Period Max <54 Period Max <54 Second Period Max <54 Period Max <54 Period Max <54 Second Period Max <54 Period Mean <46 Period Max <47 Period Max	Nanhthalene	EPA 8260B	ua/ka dry	Plant 1 Cake			54	
Period Max Ad6 Ad6 Period Max Ad6 Period Max Ad6 Period Max Ad6 Ad6 Period Max Ad6 Period Max Ad6 Period Max Ad6 Ad6 Period Max Ad6 Pe	Napritrialerie	LI A 0200B	µg/kg diy	I lant I Cake			34	140
EPA 8260B	Ē							
Period Mean <46 Period Max <46 Period Max <46		EDA 9260B	ua/ka dry	Plant 2 Cake			16	
Period Max <46		LFA 0200B	µg/kg diy	Flam 2 Cake			40	-
Part 1 Cake								
Period Mean C27 Period Max C27 Period Max C27 C23 Period Mean C25 DNQ Period Max C25 DNQ Period Mean C25 Period Mean C27 Period Mean C23 Period Mean C23 Period Mean C25 Period Mean C25 Period Mean C27 Period Mean	n Butylbonzono	EDA 9260B	ua/ka dry	Plant 1 Cake			27	
Period Max C27 Period Max C27 Period Max C23 Period Mean C23 Period Mean C23 Period Mean C23 Period Max C23 Period Mean C23 Period Mean C25 DNQ Period Mean C25 DNQ Period Max C25 Period Mean C27 Period Mean C23 Period Mean C23 Period Mean C23 Period Max C23 Period Max C27 Period Mean C27 P	n-butyiberizerie	LFA 0200B	µg/kg diy	Flailt I Cake			21	
EPA 8260B μg/kg dry Plant 2 Cake 04/17/2018 ND 23 Period Mean <23 Period Max <23 Period Mean 52 DNQ 27 Period Mean 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Mean 26 DNQ Period Mean <27 Period Mean <27 Period Mean <27 Period Mean <23 Period Mean <27 Period Mean <28 Period Mean <28								
Period Mean <23 Period Max <23 Period Mean 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Mean 26 DNQ Period Mean 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Mean <27 Period Mean <27 Period Mean <27 Period Max <27 Period Max <27 Period Mean <23 Period Mean <23 Period Mean <23 Period Max <23 Period Max <23 Period Max <23 Period Mean <27 Period Mean <27 Period Mean <23 Period Mean <27 Period Mean <28 Period Mean <		EDA 9260D	ug/kg dn/	Plant 2 Cake			22	
Period Max <23		EPA 6200B	µg/kg dry	Platit 2 Cake			23	
Propylbenzene Propylbenze								-
Propylbenzene Period Mean Period Max Period Max 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Max 52 DNQ Period Mean 26 DNQ Period Mean 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Mean 27 Period Mean 23 Period Mean 23 Period Mean 23 Period Max 23 Period Max 23 Period Mean 223 Period Mean 27 Period Mean 28 Period Mean 28 Period Mean 23 Period Mean 23 Period Mean 23 Period Mean 223 Period	n	EDV 0360B	ug/kg day	Plant 1 Calca			27	
Period Max 52 DNQ 23 24 25 25 25 26 26 26 27 27 27 28 26 27 28 26 28 26 28 26 27 28 28 28 28 28 28 28		EFA 020UB	µg/kg ary	Fiant I Cake			Z1	
EPA 8260B μg/kg dry Plant 2 Cake 04/17/2018 26 DNQ 23 Period Mean 26 DNQ 26 DNQ 26 DNQ 0-Xylene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27 Period Mean <27	. 100,1001/20116						-	
Period Mean 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Max 26 DNQ Period Mean 27 Period Mean 27 Period Mean 27 Period Max 27 Period Max 27 Period Mean 23 Period Mean 23 Period Max 23 Period Mean 23 Period Mean 27 Period Mean 28 Period Mean 29 Period Mean 20 Period Mean 20		EDA 0000D		Dlant 0 C-1			22	
co-Xylene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27 eriod Max 26 DNQ 27 27 Period Mean <27		EPA 8260B	µg/кg ary	Plant 2 Cake			23	
o-Xylene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27 Period Mean <27								
Period Mean <27 Period Max <27 Period Mean <23 Period Mean <23 Period Max <23 Period Max <23 Period Max <23 Period Max <27 Period Mean <27 Period Max <27 Period Max <27 Period Max <27 Period Mean <28 Per	a Vida:	EDA 2000B		Diamet 4.C. 1			07	
Period Max C27 Period Max C27 Period Max C28 Period Mean C23 Period Max C27 Period Mean C27 Period Max C27 Period Mean C27 Period Mean C27 Period Mean C28 Period Mean Period Mean C28 Period Mean C28 Period Mean C28 Peri	o-xylene	EPA 8260B	µg/kg ary	Plant 1 Cake			21	
EPA 8260B μg/kg dry Plant 2 Cake 04/17/2018 ND 23 Period Mean <23								
Period Mean <23 Period Max <23 Period Max <23		EDA COCCE		Discussion of the			000	
Period Max <23 sec-Butylbenzene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27 Period Mean <27		EPA 8260B	µg/kg dry	Plant 2 Cake			23	4
sec-Butylbenzene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27 Period Mean <27								_
Butylbenzene Period Mean < 27				-				
Period Max <27 EPA 8260B μg/kg dry Plant 2 Cake 04/17/2018 ND 23 Period Mean <23		EPA 8260B	µg/kg dry	Plant 1 Cake			27	
EPA 8260B μg/kg dry Plant 2 Cake 04/17/2018 ND 23 Period Mean <23	butyipenzene							
Period Mean <23 Period Max <23								
Period Max <23 Styrene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27		EPA 8260B	μg/kg dry	Plant 2 Cake			23	1
Styrene EPA 8260B μg/kg dry Plant 1 Cake 04/17/2018 ND 27								
Period Mean <27	Styrene	EPA 8260B	μg/kg dry	Plant 1 Cake		ND	27	5
					Period Mean	<27		

ategory	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	tert-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	140
	Butylbenzene				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
			100,		Period Mean	<23		
					Period Max	<23		
	Tetrachloroethe	FPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	-	27	54
	ne		J-9.1.9		Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LI A 0200B	pg/kg dry	I lant 2 dake	Period Mean	<23	20	40
					Period Max	<23		
	Toluene	EPA 8260B	ua/ka day	Plant 1 Cake	04/17/2018		27	54
	roluerie	EPA 0200D	μg/kg dry	Plant I Cake			21	54
					Period Mean	72		
		EDA 20005		DI- 100	Period Max	72	00	40
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
					Period Mean	62		
					Period Max	62		
	trans-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
	Dichloroethene				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	trans-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018	ND	27	54
	Dichloropropene				Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	46
			, , ,		Period Mean	<23		
					Period Max	<23		
	Trichloroethene	FPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	54
		/ . 02002		l lant i Ganto	Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	46
		LFA 0200D	µg/kg diy	Flatil 2 Cake	Period Mean	<23	23	40
					Period Max	<23		
	Tuishlanaflususus	EDA 0000D	/len alme	Diamt 1 Calca			27	110
	Trichlorofluorom ethane	EPA 8260B	µg/kg dry	Plant 1 Cake	04/17/2018		27	140
	Cillane				Period Mean	<27		
		ED 4 00000	,, .	DI : 2 2 :	Period Max	<27	00	100
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018		23	120
					Period Mean	<23		
					Period Max	<23		
	Vinyl chloride	EPA 8260B	μg/kg dry	Plant 1 Cake	04/17/2018		27	140
					Period Mean	<27		
					Period Max	<27		
		EPA 8260B	μg/kg dry	Plant 2 Cake	04/17/2018	ND	23	120
					Period Mean	<23		
					Period Max	<23		
emi-Volatile	1,2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	15000	37000
rganic	Trichlorobenzen		-		Period Mean	<15000		
ompounds	е				Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	32000
			100,000		Period Mean	<13000		, ,
						<13000		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
· '	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	3700
Dichlorobenzen e				Period Mean	<7800		
				Period Max	<7800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	3200
				Period Mean	<6800		
				Period Max	<6800		
	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	15000	3700
Dichlorobenzen				Period Mean	<15000		
е				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	13000	3200
				Period Mean	<13000		
				Period Max	<13000		
1,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	15000	3700
Dichlorobenzen				Period Mean	<15000		
е				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	3200
		1 3 3		Period Mean	<13000		3230
				Period Max	<13000		
2,4,5-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		30000	5600
Trichlorophenol	2.7102700	µg/ng ary	I lanc I dano	Period Mean	<30000	00000	
· ·				Period Max	<30000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		26000	4800
	LI A 0270C	µg/kg diy	I lant 2 Cake	Period Mean	<26000	20000	4000
				Period Max	<26000		
Trichlorophenol	EDA 00700	//	Diamt 1 Calca			0400	600
	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		8400	620
				Period Mean	<8400		
	ED 4 00700		DI 1001	Period Max	<8400	7000	500
	EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		7200	5300
			Period Mean	<7200			
				Period Max	<7200		
	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	3700
Dichlorophenol				Period Mean	<7500		
				Period Max	<7500		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6500	3200
				Period Mean	<6500		
				Period Max	<6500		
	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	15000	3700
Dimethylphenol				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	13000	3200
				Period Mean	<13000		
				Period Max	<13000		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	110000	2200
Dinitrophenol				Period Mean	<110000		
				Period Max	<110000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		97000	1900
		ניב פייפיו		Period Mean	<97000	2.000	
				Period Max	<97000		-
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		9000	3700
Dinitrotoluene	LI A 02/00	µg/kg ury	I Iaiit I Care	Period Mean	<9000	3000	3700
3.0.00110				Period Mean	<9000		-
	EDA 00700	110/len d	Dlast 0.0-1			7700	2001
	EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		7700	3200
				Period Mean	<7700		
				Period Max	<7700		
		e ·					1070
2,6- Dinitrotoluene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018 Period Mean	ND <11000	11000	3700

				ients Analysis i				
ry	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	9200	32000
			13 3 3		Period Mean	<9200		
					Period Max	<9200		
	2-	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		7500	37000
	Chloronaphthale		pg/ng ary	Tiant Toats	Period Mean	<7500	1000	0.000
	ne				Period Max	<7500		
		EPA 8270C	ua/ka dny	Plant 2 Cake	04/17/2018		6500	32000
		EPA 62/0C	μg/kg dry	Platit 2 Cake	Period Mean	<6500	0300	32000
					Period Max	<6500 <6500		
	0.011	EDA 00700	0 1	DI 1401			7000	07000
	2-Chlorophenol	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
					Period Mean	<7800		
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	2-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7800	37000
	Methylnaphthale				Period Mean	<7800		
	ne				Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	2-Methylphenol	FPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		9000	37000
			F9/119 417	i idini i Ganto	Period Mean	<9000	0000	0.000
					Period Max	<9000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		7700	32000
		LI A 02/00	µg/kg diy	I lant 2 Cake	Period Mean	<7700	7700	32000
					Period Max	<7700		
	O Nitus smilings	EDA 0070C	//	Dlant 1 Calca			7500	27000
	2-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	37000
					Period Mean	<7500		
					Period Max	<7500		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6500	32000
					Period Mean	<6500		
					Period Max	<6500		
	2-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	37000
					Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	13000	32000
					Period Mean	<13000		
					Period Max	<13000		
	3,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	17000	93000
	Dichlorobenzidi				Period Mean	<17000		
	ne				Period Max	<17000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		14000	80000
			1 3 - 3 - 7		Period Mean	<14000		
					Period Max	<14000		
	3-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	37000
	11111001111110		May may dily	I Idik i Odko	Period Mean	<15000	1.0000	3,000
					Period Max	<15000		
		EPA 8270C	ug/ka day	Plant 2 Cake	04/17/2018		13000	32000
		LFA 02/00	μg/kg dry	riani Z Cake	Period Mean	<13000	13000	32000
	10 D: :: 5	ED 4 00755	, ,	DI	Period Max	<13000	47000	47000
	4,6-Dinitro-2-	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		15000	47000
	methylphenol				Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	41000
					Period Mean	<13000		
					Period Max	<13000		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
4-Bromophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		8400	3700
phenyl ether				Period Mean	<8400		
				Period Max	<8400		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		7200	3200
				Period Mean	<7200		
		-		Period Max	<7200		
4-Chloro-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		22000	4500
methylphenol				Period Mean	<22000		
				Period Max	<22000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		19000	3900
				Period Mean	<19000		
				Period Max	<19000		
4-Chloroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		56000	1100
				Period Mean	<56000		
		-		Period Max	<56000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		48000	9700
				Period Mean	<48000		
				Period Max	<48000		
, ,	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		62000	1200
phenyl ether				Period Mean	<62000		
				Period Max	<62000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		53000	1100
				Period Mean	<53000		
4-Methylphenol				Period Max	<53000		
	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	3700
				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	3200
				Period Mean	<13000		
				Period Max	<13000		
4-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	15000	9300
				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	13000	8000
				Period Mean	<13000		
				Period Max	<13000		
4-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		160000	3200
				Period Mean	<160000		
				Period Max	<160000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		140000	2800
				Period Mean	<140000		
				Period Max	<140000		
Acenaphthene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		20000	3900
				Period Mean	<20000		
				Period Max	<20000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	17000	3400
				Period Mean	<17000		
				Period Max	<17000		
Acenaphthylene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7800	3700
				Period Mean	<7800		
				Period Max	<7800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6800	3200
				Period Mean	<6800		
				Period Max	<6800		
Aniline	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		56000	1100
		. 5 5 7		Period Mean	<56000		
I .				Period Max	<56000		

ily Oi	Priority Pollui Parameter	tants and Ti Method	ace Constitu Units	Sample	n Biosolids for Sample Date	2018 - Ma Result	rch - April MDL	RL
				Location				
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		48000	97000
					Period Mean	<48000		
					Period Max	<48000		
	Anthracene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	9000	37000
					Period Mean	<9000		
					Period Max	<9000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	7700	32000
					Period Mean	<7700		
					Period Max	<7700		
	Azobenzene/1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7800	37000
	Diphenylhydrazi				Period Mean	<7800		
	ne				Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
		2.7.02.00	pg/ng ary	Tiant 2 dans	Period Mean	<6800	0000	02000
					Period Max	<6800		
	Benz(a)anthrac	EDA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
	ene	LI A 02700	µg/kg diy	I lant I Cake	Period Mean	<7800	7000	37000
					Period Mean	<7800 <7800		
		EDA 02700	/lear alm.	Diamt 2 Calca			0000	22000
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	Benzidine	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		120000	240000
					Period Mean	<120000		
					Period Max	<120000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	100000	200000
					Period Mean	<100000		
					Period Max	<100000		
	Benzo(a)pyrene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7500	37000
					Period Mean	<7500		
					Period Max	<7500		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6500	32000
					Period Mean	<6500		
					Period Max	<6500		
	Benzo(b)fluoran	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
	thene		1.9.1.9)			<7800		
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
		LI A 02/00	µg/kg ury	I Idill 2 Care	Period Mean	<6800	0000	32000
					Period Max	<6800 <6800		
	Ponzo/a h :\===	EDA 92700	ug/ka d=:	Dignt 1 Calca			12000	27000
	Benzo(g,h,i)pery lene	EPA 82/00	μg/kg dry	Plant 1 Cake	04/17/2018		12000	37000
					Period Mean	<12000		
		ED 4 00755	, ,	DI (0.5.)	Period Max	<12000	11222	00055
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		11000	32000
					Period Mean	<11000		
					Period Max	<11000		
	Benzo(k)fluorant	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
	hene				Period Mean	<7800		
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	Benzoic acid	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		53000	110000
					Period Mean	<53000		
					Period Max	<53000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		46000	92000
			mg/ng diy	I IGHT 2 OGRO	Period Mean	<46000	.5000	32000
					TI CHOU MICAH	1 0000		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
Daniel I I I I	EDA 00700		Location	0.4/47/00:15	ND	100000	0000
Benzyl alcohol	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		190000	3800
				Period Mean	<190000		
	EDA 00700		Diamet O Oalaa	Period Max	<190000	100000	2000
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		160000	3300
				Period Mean	<160000		
				Period Max	<160000		
Bis(2- chloroethoxy)m	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	3700
ethane				Period Mean	<15000		
Ciriano				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	3200
				Period Mean	<13000		
				Period Max	<13000		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	3700
chloroethyl)ethe				Period Mean	<7800		
				Period Max	<7800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	3200
				Period Mean	<6800		
Di (0	ED. 2223		 	Period Max	<6800	15000	
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	3700
chloroisopropyl) ether				Period Mean	<15000		
etilei				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	3200
				Period Mean	<13000		
				Period Max	<13000		
ethylhexyl)phtha late	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		10000	3700
				Period Mean	40000		
				Period Max	40000		
	EPA 8270C	μg/kg dry	Plant 2 Cake		31000 DNQ	8700	3200
			Period Mean	31000 DNQ			
				Period Max	31000 DNQ		
Butyl benzyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		9000	3700
phthalate				Period Mean	<9000		
				Period Max	<9000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	7700	3200
				Period Mean	<7700		
				Period Max	<7700		
Chrysene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	8400	3700
				Period Mean	<8400		
				Period Max	<8400		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		7200	3200
				Period Mean	<7200		
				Period Max	<7200		
Dibenz(a,h)anth	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		11000	4700
racene				Period Mean	<11000		
				Period Max	<11000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		9700	4100
				Period Mean	<9700		
				Period Max	<9700		
Dibenzofuran	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	3700
				Period Mean	<7500		
				Period Max	<7500		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6500	3200
				Period Mean	<6500		
				Period Max	<6500		
Diethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	11000	3700
phthalate		-		Period Mean	<11000		
		I		Period Max	<11000		

	Priority Pollu	tants and Ti	ace Constitu	ients Analysis i	n Biosolids for	2018 - Ma	arch - April	
y	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	9200	32000
		2.7.02.00	pg/ng ary	Tiant 2 dans	Period Mean	<9200	0200	02000
					Period Max	<9200		
	Dimethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	37000
	phthalate	LFA 02/0C	µg/kg diy	Flant I Cake	Period Mean	<7500	7300	37000
	primate							
		ED4 00700	0 1	DI 1001	Period Max	<7500	0500	22222
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		6500	32000
					Period Mean	<6500		
					Period Max	<6500		
	Di-n-butyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		10000	37000
	phthalate				Period Mean	<10000		
					Period Max	<10000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		8700	32000
					Period Mean	<8700		
					Period Max	<8700		
	Di-n-octyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	10000	37000
	phthalate				Period Mean	<10000		
					Period Max	<10000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	8700	32000
			100,		Period Mean	<8700		
					Period Max	<8700		
	Fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
	- Idorana one	217102700	pg/ng ary	Tiant Toats	Period Mean	<7800	7.000	0.000
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
		EPA 62/0C	µg/kg dry	Platit 2 Cake	Period Mean	<6800	0000	32000
	E1	ED 4 00700	0 1	DI 1401	Period Max	<6800	7000	07000
	Fluorene	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018		7800	37000
					Period Mean	<7800		
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	Hexachlorobenz	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7800	37000
	ene				Period Mean	<7800		
					Period Max	<7800		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6800	32000
					Period Mean	<6800		
					Period Max	<6800		
	Hexachlorobuta	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	37000
	diene		,		Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	32000
			רשייש שון	Z Odko	Period Mean	<13000		32000
					Period Max	<13000		
	Hexachlorocyclo	EDA 82700	μg/kg dry	Plant 1 Cake	04/17/2018		15000	93000
	pentadiene	LI A 02/00	µg/kg uly	I Idill I Care	Period Mean	<15000	13000	33000
	- 5				Period Max	<15000		
		EDA 90700	uallea din i	Dignt 0 Calca			12000	90000
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		13000	80000
					Period Mean	<13000		
			ļ		Period Max	<13000		
	Hexachloroetha	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	37000
	ne				Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	32000
					Period Mean	<13000		
					Period Max	<13000		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
Indeno(1,2,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		15000	3700
cd)pyrene				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		13000	3200
				Period Mean	<13000		
				Period Max	<13000		
Isophorone	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	7500	3700
				Period Mean	<7500		
				Period Max	<7500		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6500	3200
				Period Mean	<6500		
				Period Max	<6500		
Kepone	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	110000	4500
				Period Mean	<110000		
				Period Max	<110000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	97000	3900
				Period Mean	<97000		
				Period Max	<97000		
Naphthalene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	3700
		100,		Period Mean	<7500		
				Period Max	<7500		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6500	3200
		13.3		Period Mean	<6500		
				Period Max	<6500		
Nitrobenzene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	3700
	2.7.02.00	pg/itg diy	lant i dano	Period Mean	<7800	7 000	0.00
				Period Max	<7800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	3200
E	μ9/κξ	µg/kg dry	riant 2 Gaice	Period Mean	<6800	0000	0200
				Period Max	<6800		
N-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7800	3700
Nitrosodimethyl	217102700	µg/kg diy	I lant I dake	Period Mean	<7800	7000	0700
amine				Period Max	<7800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		6800	3200
	LI A 0270C	µg/kg diy	I latit 2 Care	Period Mean	<6800	0000	3200
				Period Max	<6800		
N-Nitroso-di-n-	EPA 8270C	ua/ka dny	Plant 1 Cake	04/17/2018		7800	2800
propylamine	LI A 02/00	μg/kg dry	i iaiit i Cake	Period Mean	<7800	7 000	2000
F. 5FJ.S.IIII				Period Max	<7800		_
	EPA 8270C	וומ/גמ לייי	Plant 2 Cake	04/17/2018	111	6800	2400
	LFA 02/00	μg/kg dry	riant 2 Cake	Period Mean	<6800	0000	2400
				Period Max	<6800		
N	EDA 92700	110/lea d	Diont 1 Calca			42000	0400
N- Nitrosodiphenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018 Period Mean	ND <42000	42000	8400
amine							
	EDA 00700	ا المالات المال	Dignt 0.0-1	Period Max	<42000	36000	7000
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		36000	7200
				Period Mean	<36000		
Danta III	EDA 20722		DI- 110 1	Period Max	<36000	00000	0000
Pentachlorophe	EPA 82/0C	µg/kg dry	Plant 1 Cake	04/17/2018		38000	9300
nol				Period Mean	<38000		
				Period Max	<38000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		33000	8000
				Period Mean	<33000		
				Period Max	<33000		
Phenanthrene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		7500	3700
				Period Mean	<7500		
				Period Max	<7500		

ategory	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	6500	32000
					Period Mean	<6500		
					Period Max	<6500		
	Phenol	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018		10000	37000
			13 3 3		Period Mean	<10000		
					Period Max	<10000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018		8700	32000
		LI A 02700	µg/kg dry	I lant 2 dake	Period Mean	<8700	0700	02000
					Period Max	<8700 <8700		
	Dymono	EPA 8270C	ualka dar	Plant 1 Cake	04/17/2018		15000	37000
	Pyrene	EPA 02/00	μg/kg dry	Plant I Cake			15000	37000
					Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018		13000	32000
					Period Mean	<13000		
					Period Max	<13000		
	Pyridine	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	ND	17000	38000
					Period Mean	<17000		
					Period Max	<17000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	ND	14000	33000
					Period Mean	<14000		
					Period Max	<14000		
ganochlorine	Aldrin	EPA 8081A	µg/kg dry	Plant 1 Cake	04/17/2018		270	1800
esticides	, udili	2171000171	pg/ng ary	riant round	Period Mean	<270	270	1000
					Period Max	<270		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		240	1700
		EPA 606 IA	µg/kg diy	Flant 2 Cake			240	1700
					Period Mean	<240		
	1.1. 5110	EDA 0004A	0 1	DI 1401	Period Max	<240	200	1000
	alpha-BHC E	EPA 8081A μg/kg	µg/kg dry	Plant 1 Cake	04/17/2018		230	1800
					Period Mean	<230		
					Period Max	<230		
		EPA 8081A	μg/kg dry	y Plant 2 Cake	04/17/2018		210	1700
					Period Mean	<210		
					Period Max	<210		
	beta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	720	1800
					Period Mean	<720		
					Period Max	<720		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	650	1700
					Period Mean	<650		
					Period Max	<650		
	Chlordane	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		8500	27000
	0		F9/119 417	i idiii i Gaile	Period Mean	<8500	0000	
					Period Max	<8500		
		EPA 8081A	ua/ka dny	Plant 2 Cake	04/17/2018		7600	24000
		LFA 600 IA	μg/kg dry	Flant 2 Cake	Period Mean	<7600	7000	24000
	delta DUIO	EDA 00044		Dia::440.1	Period Max	<7600	440	4000
	delta-BHC	EPA 8081A	µg/kg dry	Plant 1 Cake	04/17/2018		440	1800
					Period Mean	<440		
					Period Max	<440		
		EPA 8081A	µg/kg dry	Plant 2 Cake	04/17/2018		390	1700
					Period Mean	<390		
					Period Max	<390		
	Dieldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	230	1800
					Period Mean	<230		
					Period Max	<230		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	200	1700
			1 3 - 3 - 1	03	Period Mean	<200		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Endosulfan 1	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	190	1800
				Period Mean	<190		
				Period Max	<190		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		170	1700
		F-9···9 ···)		Period Mean	<170		
				Period Max	<170		
Endosulfan 2	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		310	1800
Liidosallali Z	LI A GOOTA	pg/kg dry	I lant I dake	Period Mean	<310	010	1000
				Period Max	<310		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		280	1700
	LI A 000 IA	µg/kg diy	I latit 2 Cake	Period Mean	<280	200	1700
				Period Max	<280		
Frade sulfers	EDA 0004A	/Icas almi	Dlant 1 Calca			200	1000
Endosulfan Sulfate	EPA 8081A	µg/kg dry	Plant 1 Cake	04/17/2018		300	1800
Guilate				Period Mean	<300		
	EDA 0004A	// /	DI 1001	Period Max	<300	070	4700
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		270	1700
				Period Mean	<270		
	ED4	, .	D1	Period Max	<270	0.5.5	
Endrin	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		330	1800
				Period Mean	<330		
				Period Max	<330		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		300	1700
				Period Mean	<300		
				Period Max	<300		
Endrin Aldehyde	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	280 DNQ	190	1800
				Period Mean	280 DNQ		
				Period Max	280 DNQ		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	250 DNQ	170	1700
				Period Mean	250 DNQ		
				Period Max	250 DNQ		
Endrin Ketone	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		530	1800
				Period Mean	<530		
				Period Max	<530		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		470	1700
		F9/119 41.)	i iaini 2 Gaine	Period Mean	<470		
				Period Max	<470		
gamma-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		500	1800
gamma-bi 10		pg/ng dry	I MILL I CARE	Period Mean	<500	000	1000
				Period Max	<500 <500		
	EDA 9094A	110/lea d	Dignt 2 Calif			450	4700
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018 Period Mean		450	1700
					<450		
114	EDA 20011		DI- 110 1	Period Max	<450	000	4000
Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		230	1800
				Period Mean	<230		
				Period Max	<230		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		210	1700
				Period Mean	<210		
				Period Max	<210		
Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	460	1800
Epoxide				Period Mean	<460		
				Period Max	<460		
	EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	410	1700
				Period Mean	<410		
				Period Max	<410		
Kepone	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		27000	8200
		. 5 5 ,		Period Mean	<27000		
					<27000		

gory	Parameter Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	24000	73000
			F9/119 41.)	i iaini 2 Gaine	Period Mean	<24000		
					Period Max	<24000		
	Methoxychlor	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		490	3600
	Wethoxychio	LI A OUO IA	µg/kg diy	I lant I Cake	Period Mean	<490	490	3000
		EDA 00044		DI 1001	Period Max	<490	110	2000
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		440	3200
					Period Mean	<440		
					Period Max	<440		
	Mirex	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		290	1800
					Period Mean	<290		
					Period Max	<290		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	260	1700
					Period Mean	<260		
					Period Max	<260		
	o,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	390	1800
					Period Mean	<390		
					Period Max	<390		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		350	1700
		2171000171	pg/ng ary	Tiant 2 Gano	Period Mean	<350	000	1100
					Period Max	<350		
	o,p'-DDE	EPA 8081A	ua/ka dn/	Plant 1 Cake	04/17/2018		710	1800
	0,p -DDE	EPA 000 IA	μg/kg dry	Flatit I Cake			7 10	1000
					Period Mean	<710		
					Period Max	<710		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		630	1700
					Period Mean	1100 DNQ		
					Period Max	1100 DNQ		
	o,p'-DDT	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		580	1800
					Period Mean	<580		
					Period Max	<580		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	510	1700
					Period Mean	<510		
					Period Max	<510		
	p,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	590	1800
					Period Mean	<590		
					Period Max	<590		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	ND	530	1700
			13.3.3		Period Mean	<530		
					Period Max	<530		
	p,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018		260	1800
	P,P DDL		Pg/Ng ury	i ant i care	Period Mean	<260	200	1000
					Period Max	<260	-	
		EDA OGGAA	ua/ka da	Plant 2 Calca	04/17/2018		230	1700
		EPA 8081A	μg/kg dry	Plant 2 Cake	Period Mean	<230	230	1700
	LDDT	EDA 00011		DI- 140 1	Period Max	<230	0.40	4000
	p,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Cake	04/17/2018		640	1800
					Period Mean	<640		
					Period Max	<640		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		570	1700
					Period Mean	<570		
					Period Max	<570		
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018	1100.0		
					Period Mean	1100		
					Period Max	1100		
	Toxaphene	EPA 8081A	μg/kg dry	Plant 1 Cake	04/17/2018	ND	17000	73000
					Period Mean	<17000		
					Period Max	<17000		

				Sample	Sample Date	Result	MDL	RL
		EDA 9094A	ualka dar	Location	04/17/2019	ND	15000	65000
		EPA 8081A	μg/kg dry	Plant 2 Cake	04/17/2018		15000	65000
					Period Mean	<15000		
	DOD 1010	ED4 0000		DI 1101	Period Max	<15000	000	500
CBs	PCB 1016	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
					Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018		170	490
					Period Mean	<170		
					Period Max	<170		
	PCB 1221	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018	ND	200	580
					Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018	ND	170	490
			, ,		Period Mean	<170		
					Period Max	<170		
	PCB 1232	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
	1 05 1202	21710002	pg/kg dry	Tiant Touto	Period Mean	<200	200	000
					Period Max	<200		
		EDA 9090	110/kg d=:	Dlant 2 Calca			170	400
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018		170	490
					Period Mean	<170		
					Period Max	<170		
	PCB 1242	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
					Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018	ND	170	490
					Period Mean	<170		
					Period Max	<170		
	PCB 1248	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
	. 02 .2.0		F-9/···9 4.7	i idiii i Gaile	Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018		170	490
		EPA 6062	µg/kg diy	Platit 2 Cake			170	490
					Period Mean	<170		
	DOD 1051	ED 1 0000		DI 1101	Period Max	<170		500
	PCB 1254	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
					Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018	ND	170	490
					Period Mean	<170		
					Period Max	<170		
	PCB 1260	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018	ND	200	580
					Period Mean	<200		
					Period Max	<200		
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018		170	490
			מייש שיי	I Idill 2 Odilo	Period Mean	<170		1.00
					Period Max	<170		
	DCD UD DM	EDA 9090	ualka d= :	Dignt 1 Calca			200	500
	PCB_HR_DM	EPA 8082	μg/kg dry	Plant 1 Cake	04/17/2018		200	580
					Period Mean	<200		
		ED 4 2222		DI : 2 - :	Period Max	<200	450	400
		EPA 8082	μg/kg dry	Plant 2 Cake	04/17/2018		170	490
					Period Mean	<170		
					Period Max	<170		
oxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g dry	Plant 1 Cake	04/17/2018	4.7 DNQ	1.3	5.6
					Period Mean	4.7 DNQ		
					Period Max	4.7 DNQ		
		EPA 1613B	pg/g dry	Plant 2 Cake	04/17/2018		1.3	4.6
			L 9. 9 1		Period Mean	<1.3		
					Period Max	<1.3	-	

ategory	Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
				Location				
entatively	17-(1,5-	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	670000		48000
entified	DIMETHYLHEX				Period Mean	670000		
ompounds	YL)-10,13-				Period Max	670000		
	9-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018	760000		56000
	OCTADECENOI				Period Mean	760000		
	C ACID, (E)-				Period Max	760000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	730000		48000
					Period Mean	730000		
					Period Max	730000		
	Cholest-4-en-3-	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018	300000		48000
	one				Period Mean	300000		
					Period Max	300000		
	CHOLEST-5-EN	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018			56000
	3-ONE		100,000		Period Mean	410000		
					Period Max	410000		
	Cholestan-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018			56000
	one		1.99)		Period Mean	1000000		
					Period Max	1000000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018			48000
		217102100	µg/ng ary	Tiant 2 dans	Period Mean	1300000		10000
					Period Max	1300000		
	CHOLESTANO	EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018			48000
	L	217102700	pg/kg dry	Tiant 2 date	Period Mean	1500000		40000
					Period Max	1500000		
	n-Hexadecanoic	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018			56000
	acid	LFA 02/0C	pg/kg dry	Tiant Toate	Period Mean	1200000		30000
					Period Max	1200000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018			48000
		LI A 02100	pg/kg dry	I lant 2 dake	Period Mean	1200000		40000
					Period Max	1200000		
	OCTADECANOI	EDA 9270C	μg/kg dry	Plant 1 Cake	04/17/2018			56000
	C ACID	LFA 02/0C	µg/kg diy	Flant I Cake	Period Mean	390000		30000
	07.0.2				Period Max	390000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	04/17/2018			48000
		EPA 62/0C	µg/kg dry	Platit 2 Cake				46000
						350000		
	Caualana	EDA 9270C	ua/ka dni	Dlant 1 Cake	Period Max	350000		F6000
	Squalene	EPA 8270C	μg/kg dry	Plant 1 Cake	04/17/2018			56000
					Period Mean	320000		
		EDA 00700		Diat 0 C 1	Period Max	320000		40000
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018			48000
					Period Mean	200000		
		FD 4 05 = 5.5		D	Period Max	200000		mos s s
	UNKNOWN	EPA 8270C	µg/kg dry	Plant 1 Cake	04/17/2018			56000
					Period Mean	310000		
					Period Max	310000		
		EPA 8270C	µg/kg dry	Plant 2 Cake	04/17/2018			48000
					Period Mean	530000		
					Period Max	530000		

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eneral	Ammonia-N	SM 4500 NH3 G	mg/kg dry	Plant 1 Cake	05/15/2018	5900	270	1400
nemistry			weight		05/22/2018	6700	280	1400 1400 1400 1200 1200 1100 1200 11000 9300 7800 9900 9300 8800 7000 9600 6.0 6.2 6.3 5.5 5.3 5.5 5.3 5.5
					06/12/2018	7100	290	1400
					06/19/2018	6000	250	1400 1400 1400 1200 1200 1100 1200 1100 9300 7800 9900 9300 8800 7000 9600 6.0 6.2 6.3 5.5 5.3 5.0 5.3 5.4
					Period Mean	6400		
					Period Max	7100		
		SM 4500 NH3 G	mg/kg dry	Plant 2 Cake	05/15/2018	5400	240	1200
			weight		05/22/2018		230	
					06/12/2018		240	
					06/19/2018		250	
					Period Mean	5800	200	1200
					Period Max	6300		
	Kjeldahl	EPA 351.2	ma/ka dm/	Plant 1 Cake	05/15/2018		8500	11000
	Nitrogen	EPA 351.2	mg/kg dry weight	Plant I Cake				
	Millogen		weignt		05/22/2018		7000	
					06/12/2018		5800	
					06/19/2018		7400	9900
					Period Mean	56000		
					Period Max	61000		
		EPA 351.2	mg/kg dry	Plant 2 Cake	05/15/2018	47000	6900	9300
			weight		05/22/2018	50000	6600	8800
					06/12/2018	49000	5300	7000
					06/19/2018	49000	7200	9600
					Period Mean	49000		
					Period Max	50000		
	Nitrate-N	EPA 300.0	mg/kg dry	Plant 1 Cake	05/15/2018		4.4	6.0
			weight	i idiii i Gaile	05/22/2018		4.5	
					06/12/2018		4.6	
					06/19/2018		4.0	
							4.0	
					Period Mean	<4.6		
		EPA 300.0 mg		DI 1001	Period Max	<4.6	0.0	5.0
			mg/kg dry weight	Plant 2 Cake	05/15/2018		3.9	
					05/22/2018		3.7	
					06/12/2018		3.9	
					06/19/2018		4.0	5.4
					Period Mean	<4.0		
					Period Max	<4.0		
	Nitrite-N	EPA 300.0	mg/kg dry	Plant 1 Cake	05/15/2018	11	6.0	8.2
			weight		05/22/2018	ND	6.2	8.4
					06/12/2018	ND	6.3	8.6
					06/19/2018		5.5	7.5
					Period Mean	7.2 DNQ		
					Period Max		1	
		EPA 300.0	mg/kg dry	Plant 2 Cake	05/15/2018		5.3	7.3
			weight		05/22/2018		5.0	
			_		06/12/2018		5.3	
					06/19/2018		5.4	
					Period Mean	<5.4	0.4	7.7
					Period Max	<5.4 <5.4		
	Organia	CALC	m a //	Dloot 4 Octo				
	Organic	CALC	mg/kg dry	Plant 1 Cake	05/15/2018			
	Nitrogen		weight		05/22/2018			
					06/12/2018			
					06/19/2018			
					Period Mean	50000		
					Period Max	54000		
		CALC	mg/kg dry	Plant 2 Cake	05/15/2018	42000		
			weight		05/22/2018	44000		
		We	weignt		06/12/2018			

Category	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
					06/19/2018	43000		
					Period Mean	43000		
					Period Max	44000		
	рН	EPA 9045C	pH units	Plant 1 Cake	05/15/2018		0.10	0.1
	'		Period Max PH units P		0.1			
				Period Mean	0.1			
							0.10	0.1
		EDA 00450		Diant 2 Calca			0.40	0.4
		EPA 9045C	pn units	Plant 2 Cake				1
							0.10	0.1
	Total Nitrogen	CALC		Plant 1 Cake	05/15/2018	54000		
			weight		05/22/2018	54000		
					06/12/2018	61000		
					06/19/2018	57000		
					Period Mean	56000		
					Period Max	61000		
		CALC	ma/ka drv	Plant 2 Cake				
		0,120		Tiam 2 Gans				
			3					
T		Solids SM 2540G						
	Total Solids	SM 2540G	%	Plant 1 Cake				
			OG % Plant 1 Cake					
					06/19/2018	20	0.050	0.050
					Period Mean	18		
					Period Max	20		
		SM 2540G	%	Plant 2 Cake	05/15/2018	20	0.050	0.050
					05/22/2018	22	0.050	0.050
					06/12/2018	21	0.050	0.050
					06/19/2018	20	0.050	0.050
					Period Mean	21		
ace Elements	Arsenic	EPA 6010B	mg/kg dry	Plant 1 Cake			3.0	16
LIG LIGHTOHIG		/. 00 10D		I MILL OUNC				
								0.1 0.1 0.1 0.1 0.1 0.1 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050
							۷.0	10
								0.1 0.1 0.1 0.1 0.1 0.1 0.050 0.050 0.050 0.050 0.050 0.050 0.050 16 17 3.4 15 14 14 14 58 15 2.7 2.8 0.57
		EDA 20425	ma m # :1	Diamato C. I			0.7	4.4
		EPA 6010B	mg/kg dry weight	Plant 2 Cake				
			weigili					
							2.7	15
					Period Mean	17 DNQ		
					Period Max	21		
	Cadmium	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018	1.9 DNQ	0.13	2.7
			weight		05/22/2018	1.8 DNQ	0.14	2.8
					06/12/2018		0.028	
					06/19/2018		0.12	
					Period Mean	1.8 DNQ		-

egory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018	2.6	0.12	2.4
			weight		05/22/2018		0.11	2.3
					06/12/2018		0.024	0.48
					06/19/2018		0.12	2.5
					Period Mean	2.6	0.12	2.0
					Period Max	2.9		
	Chromium	EPA 6010B	ma/ka dn	Plant 1 Cake	05/15/2018		1.2	11
	Chromium	EPA 60 10B	mg/kg dry weight	Plant I Cake			1.2	11
			Weight		05/22/2018			
					06/12/2018		0.25	2.3
					06/19/2018		1.1	10
					Period Mean	34		
					Period Max	38		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018	43	1.0	9.7
			weight		05/22/2018		0.99	9.2
					06/12/2018	32	0.21	1.9
					06/19/2018	44	1.1	9.8
					Period Mean	40		
					Period Max	44		
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018	500	2.4	14
	''		weight		05/22/2018		2.5	14
					06/12/2018		0.51	2.9
					06/19/2018		2.2	13
					Period Mean	470	2.2	10
					Period Max	500		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018		2.1	12
		EPA 00 10B	weight	Flatil 2 Cake				
			Weight		05/22/2018		2.0	11
					06/12/2018 380 0.42	2.4		
				06/19/2018		2.2	12	
					Period Mean	460		
					Period Max	500		
	Iron	EPA 6010B	mg/kg dry		05/15/2018	65000	12	54
			weight		05/22/2018		13	56
					06/12/2018	51000	2.6	11
					06/19/2018	79000	11	50
					Period Mean	65000		
					Period Max	79000		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018	67000	11	48
			weight		05/22/2018		10	46
					06/12/2018		43	190
					06/19/2018		11	49
					Period Mean	66000		
					Period Max	73000		
	Lead	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018		0.75	5.4
	LCau	Li 7 00 10D	weight	I IAIIL I CARE	05/22/2018		0.73	5.6
			3		06/12/2018		0.16	1.1
					06/19/2018		0.69	5.0
					Period Mean	13		
		EDA 6040B		DI (2.2.1	Period Max	14	0.00	1.0
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018		0.66	4.8
			weight		05/22/2018		0.63	4.6
					06/12/2018		0.13	0.96
					06/19/2018	15	0.67	4.9
					Period Mean	14		
					Period Max	15		
	Magnesium	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018	5500	18	140
			weight		05/22/2018	5700	19	140
		weight		06/12/2018		3.8	29	

egory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
				20041011	06/19/2018	7100	17	130
					Period Mean	5800		
					Period Max	7100		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018		16	120
		217100102	weight	Tiant 2 Gang	05/22/2018		15	110
					06/12/2018		3.2	24
							16	
					06/19/2018		10	120
					Period Mean	7100		
					Period Max	7900		
	Mercury	EPA 7471A	mg/kg dry	Plant 1 Cake	05/15/2018		0.065	0.11
			weight		05/22/2018		0.067	0.11
					06/12/2018	2.0	0.068	0.11
					06/19/2018	0.72	0.061	0.10
					Period Mean	1.2		
					Period Max	2.0		
		EPA 7471A	mg/kg dry	Plant 2 Cake	05/15/2018	0.75	0.059	0.098
			weight		05/22/2018		0.057	0.094
			Į ,		06/12/2018		0.057	0.094
					06/19/2018		0.059	0.098
					Period Mean	0.84	0.000	0.030
					Period Mean	0.84		
	NA - la de el - es como	EDA 0040D		Disast 4 Oslas			0.04	44
	Molybdenum	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018		0.31	11
			weight		05/22/2018		0.32	11
					06/12/2018		0.065	2.3
					06/19/2018	18	0.28	10
				Period Mean	16			
					Period Max	18		
		EPA 6010B		05/15/2018	17	0.27	9.7	
				05/22/2018	17	0.26	9.2	
					06/12/2018	14	0.054	1.9
					06/19/2018		0.28	9.8
					Period Mean	17		
					Period Max	21		
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018		0.98	11
	NICKCI	LI A GOTOD	weight	I lant I dake	05/22/2018		1.0	11
							0.21	2.3
					06/12/2018			
					06/19/2018		0.90	10
					Period Mean	34		
					Period Max	40		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018		0.87	9.7
			weight		05/22/2018		0.82	9.2
					06/12/2018		0.17	1.9
					06/19/2018	39	0.88	9.8
					Period Mean	33		
					Period Max	39		
	Selenium	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018	ND	3.1	27
			weight		05/22/2018		3.2	28
					06/12/2018		0.64	5.7
					06/19/2018		2.8	25
					Period Mean	<3.2	2.0	
					Period Max	<3.2		
		EDA COACE	manufler elem	Dlamt 0.0-1			2.7	04
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018		2.7	24
			weight		05/22/2018		2.6	23
					06/12/2018		0.54	4.8
					06/19/2018		2.8	25
					Period Mean	<2.8		
				Period Max	<2.8			

ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Silver	EPA 6010B	mg/kg dry	Plant 1 Cake	05/15/2018	4.9 DNQ	0.77	14
			weight		05/22/2018	4.0 DNQ	0.79	14
					06/12/2018	3.1	0.16	2.9
					06/19/2018	4.8 DNQ	0.71	13
					Period Mean	4.2 DNQ		
					Period Max	3.1		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018	4.4 DNQ	0.68	12
			weight		05/22/2018	3.4 DNQ	0.65	11
					06/12/2018	2.8	0.14	2.4
			06/19/2018 4.5 DNQ 0.69	0.69	12			
					Period Mean	3.8 DNQ		11 2.4
					Period Max	2.8		
	Zinc	EPA 6010B		y Plant 1 Cake	05/15/2018	660	9.4	27
			weight		05/22/2018	610	9.7	28
					06/12/2018	530	2.0	5.7
					06/19/2018	670	8.6	25
					Period Mean	620		
					Period Max	670		
		EPA 6010B	mg/kg dry	Plant 2 Cake	05/15/2018	710	8.4	24
			weight		05/22/2018	650	7.9	23
			noigh.		06/12/2018	540	1.7	4.8
					06/19/2018	760	8.5	25
					Period Mean	660		
					Period Max	760		

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eneral	Ammonia-N	SM 4500 NH3 G	mg/kg dry	Plant 1 Cake	07/17/2018	5800	250	1200
nemistry			weight		07/24/2018	5900	250	1300 1300 1400 1100 1200 1200 1200 1200 25 23 49 46 10000 8700 8400 9700 8000 8500 9300 8000 5.5 5.6 5.8 6.1 5.0 5.2 5.4 5.3
					08/20/2018	6200	260	1300
					08/27/2018	6900	280	1400
					Period Mean	6200		
					Period Max	6900		
		SM 4500 NH3 G	ma/ka drv	Plant 2 Cake	07/17/2018	5200	230	1100
			weight		07/24/2018		230	
					08/20/2018		240	
					08/27/2018		230	
					Period Mean	5400	200	1200
					Period Max	5800		
	Fluoride	EPA 300.0	mg/kg dry	Plant 1 Cake	07/17/2018		17	25
	Fluoride	EPA 300.0	weight	Flam I Cake	Period Mean	17 DNQ 17 DNQ	17	25
			Weight					
		EDA 200 0		Disast 0. Oslas	Period Max	17 DNQ	40	00
		EPA 300.0	mg/kg dry weight	Plant 2 Cake	07/17/2018		16	23
			weigni		Period Mean	19 DNQ		
					Period Max	19 DNQ		
	Hexavalent	EPA 7196A	mg/kg dry	Plant 1 Cake	07/17/2018		25	49
	Chromium		weight		Period Mean	<25		
					Period Max	<25		
		EPA 7196A	mg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
			weight		Period Mean	<23		
					Period Max	<23		
	Kjeldahl	EPA 351.2	mg/kg dry	Plant 1 Cake	07/17/2018	55000	7500	1200 1200 1200 25 25 23 49 46 10000 8700 8400 9700 8000 8500 9300 8000 5.5 5.6 5.8 6.1
	Nitrogen		weight		07/24/2018	52000	6500	8700
					08/20/2018	62000	6300	8400
					08/27/2018	56000	7300	1100 1200 1200 1200 1200 25 23 49 46 10000 8700 8400 9700 8800 8500 9300 8000 8500 9300 8000
					Period Mean	56000		
					Period Max	62000		
			mg/kg dry	Plant 2 Cake	07/17/2018		6000	8000
			weight	Tant 2 Gallo	07/24/2018		6400	
					08/20/2018		7000	
					08/27/2018		6000	
					Period Mean		0000	8000
	NI:44. NI	EDA 000 0		Disast 4 Oslas	Period Max	50000	1.0	5.5
	Nitrate-N	EPA 300.0	mg/kg dry weight	Plant 1 Cake	07/17/2018		4.0	
			weigiii		07/24/2018		4.0	
					08/20/2018		4.2	
					08/27/2018		4.5	6.1
					Period Mean	<4.5		
					Period Max	<4.5		8500 9300 8000 5.5 5.6 5.8 6.1
		EPA 300.0	mg/kg dry	Plant 2 Cake	07/17/2018		3.7	
			weight		07/24/2018	ND	3.8	5.2
					08/20/2018		3.9	5.4
					08/27/2018	ND	3.8	5.3
					Period Mean	<3.9		
					Period Max	<3.9		
	Nitrite-N	EPA 300.0	mg/kg dry	Plant 1 Cake	07/17/2018	ND	5.5	7.4
			weight		07/24/2018		5.6	
			-		08/20/2018		5.8	
					08/27/2018		6.1	
					Period Mean	7.2 DNQ	0.1	0.4
					Period Mean	7.2 DNQ 12		
		EDA 200 0	maller de:	Dlamt 0.0-1			F 0	6.0
		EPA 300.0	mg/kg dry weight	Plant 2 Cake	07/17/2018		5.0	6.9
			weigni		07/24/2018		5.2	7.1
				08/20/2018	IND	5.4	7.3	

tegory	Parameter	Method	Units	Sample Location	in Biosolids for Sample Date	Result	MDL	RL
					08/27/2018	ND	5.3	7.2
					Period Mean	<5.4		
					Period Max	<5.4		
	Organic Lead	HML 939-M	mg/kg dry	Plant 1 Cake	07/17/2018	ND	0.12	0.29
			weight		Period Mean	<0.12		
					Period Max	<0.12		
		HML 939-M	mg/kg dry	Plant 2 Cake	07/17/2018		0.10	0.25
			weight		Period Mean	<0.10		1
						<0.10		
	Organic	CALC	mg/kg dry	Plant 1 Cake	07/17/2018			
	Nitrogen	OALO	weight	Decation 08/27	07/24/2018			
	Title og on		Worgin		08/20/2018			
					08/27/2018			
						50000		
		211.0		DI 1001		56000		
		CALC	mg/kg dry	Plant 2 Cake	07/17/2018			
			weight		07/24/2018			
					08/20/2018			
					08/27/2018			
					Period Mean	42000		
					Period Max	45000		
	pН	EPA 9045C	pH units	Plant 1 Cake	07/17/2018	7.6	0.10	0.1
					07/24/2018	8.1	0.10	0.1
					08/20/2018	8.0	0.10	0.1
					08/27/2018	7.9	0.10	0.1
					Period Mean	7.9		
					Period Max	8.1		
		EPA 9045C	Plant 2 Cake	Plant 2 Cake	07/17/2018	7.6	0.10	0.1
					07/24/2018	8.1	0.10	0.1
					08/20/2018		0.10	0.1
					08/27/2018		0.10	0.1
						7.8	0.10	0
						8.1		
	Total Cyanide	EPA 9014	mg/kg dry	Plant 1 Cake	07/17/2018		2.1	2.5
	Total Cyanide	LI A 3014	weight	I lant I Cake		2.3 DNQ 2.3 DNQ	2.1	2.5
			s.g					
		EPA 9014	mallea day	Dlant 2 Cake	07/17/2018	2.3 DNQ	2.0	2.2
		EPA 9014	mg/kg dry weight	Plant 2 Cake			2.0	2.3
			Weight			<2.0		
	T (!) !!	041.0		DI		<2.0		
	Total Nitrogen	CALC	mg/kg dry	Plant 1 Cake	07/17/2018			
			weight		07/24/2018			
					08/20/2018			
					08/27/2018			
					Period Mean	56000		
					Period Max	62000		
		CALC	mg/kg dry	Plant 2 Cake	07/17/2018	45000		
			weight		07/24/2018	47000		
					08/20/2018	50000		
					08/27/2018	48000		
					Period Mean	48000		
					Period Max	50000		
	Total Solids	SM 2540G	%	Plant 1 Cake	07/17/2018		0.050	0.050
					07/24/2018		0.050	0.050
					08/20/2018		0.050	0.050
					08/27/2018		0.050	0.050
					Period Mean	19	0.000	3.000
						1.0		

Category	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		SM 2540G	%	Plant 2 Cake	07/17/2018	22	0.050	0.050
					07/24/2018		0.050	0.050
					08/20/2018		0.050	
					08/27/2018		0.050	
					Period Mean	21	0.000	0.000
					Period Max	22		
race Elements	Antimony	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		1.8	25
race Liements	Antimorty	LFA 00 10B	weight	Flant I Cake	Period Mean	2.6 DNQ	1.0	23
					Period Max	2.6 DNQ		
		EDA 0040B		Disast 0. Oslas			4.7	00
		EPA 6010B	mg/kg dry weight	Plant 2 Cake	07/17/2018		1.7	23
			weight		Period Mean	<1.7		
					Period Max	<1.7		
	Arsenic	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		2.7	
			weight		07/24/2018		2.8	
					08/20/2018		2.9	
					08/27/2018	21	3.0	16
					Period Mean	21		
					Period Max	23		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018	20	2.5	14
			weight		07/24/2018	19	2.6	14
					08/20/2018		2.7	14
					08/27/2018	22	2.6	14
					Period Mean	21		
					Period Max	24		
	Barium	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		0.49	0.050 0.050 0.050 0.050 25 23 15 16 16 16 14 14
	Barrarri	217100102	weight	dry Plant 1 Cake dry Plant 2 Cake dry Plant 1 Cake	Period Mean	370	0.10	
					Period Max	370		
		EPA 6010B	ma/ka dny	ng/kg dry Plant 2 Cake	07/17/2018		0.46	23
		LI A 00 10B	weight	I lant 2 Cake	Period Mean	890	0.40	25 23 2.5 2.3
			Wolgin					
	D a m dlii usa	EDA 0040B		Diant 1 Calca	Period Max	890	0.050	2.5
	Beryllium	EPA 6010B	mg/kg dry weight	Plant 1 Cake	07/17/2018		0.059	2.5
			weignt		Period Mean	<0.059		
					Period Max	<0.059		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.056	2.3
			weight		Period Mean	<0.056		
					Period Max	<0.056		
	Cadmium	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	1.7 DNQ	0.12	
			weight		07/24/2018	1.7 DNQ	0.12	
					08/20/2018	1.9 DNQ	0.13	2.6
					08/27/2018	1.6 DNQ	0.13	2.7
					Period Mean	1.7 DNQ		
					Period Max	1.9 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.11	2.3
			weight		07/24/2018		0.11	
					08/20/2018		0.12	
					08/27/2018		0.12	
					Period Mean	3.6		3.0
					Period Max	4.7		
	Chromium	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		1.1	0.8
	Omomuni	LI A OUTUB	weight	I lant I Cake	07/17/2018		1.1	
					08/20/2018		1.1	
					08/27/2018		1.2	11
					Period Mean	37		
					Period Max	43		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.99	
			weight		07/24/2018		0.99	
					08/20/2018	4.0	1.0	

tegory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
					08/27/2018	46	1.0	9.4
					Period Mean	45		
					Period Max	49		
	Cobalt	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	1.9 DNQ	0.27	9.8
			weight		Period Mean	1.9 DNQ		
					Period Max	1.9 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.25	9.2
		LI A 00 10B	weight	I lant 2 Cake	Period Mean	2.1 DNQ	0.23	9.2
					Period Max	2.1 DNQ 2.1 DNQ		
		EDA 0040D	, ,	DI 1401			0.0	10
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		2.2	12
			weight		07/24/2018		2.2	13
					08/20/2018		2.3	13
					08/27/2018	520	2.4	14
					Period Mean	480		
					Period Max	560		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018	490	2.0	12
			weight		07/24/2018		2.0	12
					08/20/2018		2.1	12
					08/27/2018		2.1	12
					Period Mean	520	2.1	12
					Period Max	560		
		EDA 0040D		Disast 4 Osles			11	10
	Iron	EPA 6010B	mg/kg dry weight	Plant 1 Cake	07/17/2018			49
			Weigitt		07/24/2018		11	50
					08/20/2018		12	52
					08/27/2018		12	55
					Period Mean	78000		
					Period Max	86000		
		EPA 6010B	0B mg/kg dry Plant 2 Cake weight	07/17/2018	67000	10	46	
					07/24/2018	78000	10	46
					08/20/2018	78000	11	48
					08/27/2018		10	47
					Period Mean	74000		
					Period Max	78000		
	Lead	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		0.67	4.9
	Load	LI A GOTOD	weight	I lant I dake	07/24/2018		0.69	5.0
							0.09	5.2
					08/20/2018			
					08/27/2018		0.75	5.5
					Period Mean	11		
					Period Max	12		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.63	4.6
			weight		07/24/2018		0.63	4.6
					08/20/2018		0.66	4.8
					08/27/2018	12	0.64	4.7
					Period Mean	13		
					Period Max	14		
	Magnesium	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	5800	16	120
			weight		07/24/2018		17	130
					08/20/2018		18	130
					08/27/2018		18	140
					Period Mean	7000	10	170
		ED 4 00 155		DI () 2 2 1	Period Max	8700	4.5	100
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		15	120
			weight		07/24/2018		15	120
					08/20/2018		16	120
					08/27/2018	7200	16	120
					Period Mean	7500		
					Period Max	8600		

gory	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
	Mercury	EPA 7471A	mg/kg dry	Plant 1 Cake	07/17/2018	0.64	0.058	0.097
	-		weight		07/24/2018	0.71	0.061	0.10
					08/20/2018	0.84	0.063	0.11
					08/27/2018	0.70	0.066	0.11
					Period Mean	0.72		
					Period Max	0.84		
		EPA 7471A	mg/kg dry	Plant 2 Cake	07/17/2018		0.054	0.090
			weight	riant 2 dans	07/24/2018		0.056	0.094
					08/20/2018		0.057	0.095
					08/27/2018		0.056	0.093
					Period Mean	0.86	0.000	0.000
					Period Max	1.1		
	Molybdenum	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		0.28	9.8
	Molybaerium	EPA 00 10B	weight	Plant I Cake				
			Weight		07/24/2018		0.28	10
					08/20/2018		0.30	10
					08/27/2018		0.31	11
					Period Mean	18		
					Period Max	21		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.26	9.2
			weight		07/24/2018	19	0.26	9.2
					08/20/2018	20	0.27	9.7
					08/27/2018	19	0.27	9.4
					Period Mean	19		
					Period Max	20		
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	31	0.88	9.8
			weight		07/24/2018	33	0.90	10
					08/20/2018	47	0.94	10
					08/27/2018	41	0.98	11
					Period Mean	38		
					Period Max	47		
		FPA 6010B	EPA 6010B mg/kg dry	Plant 2 Cake	07/17/2018		0.83	9.2
			weight	i idiii 2 Gaile	07/24/2018		0.83	9.2
					08/20/2018		0.87	9.7
					08/27/2018		0.84	9.4
						38	0.04	3.4
	0 - 1 1	EDA 0040B		Disast 4 Oslas	Period Max	46	0.0	05
	Selenium	EPA 6010B	mg/kg dry weight	Plant 1 Cake	07/17/2018		2.8	25
			Weigitt		07/24/2018		2.8	25
					08/20/2018		2.9	26
					08/27/2018		3.1	27
					Period Mean	<3.1		
					Period Max	<3.1		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		2.6	23
			weight		07/24/2018	ND	2.6	23
					08/20/2018		2.7	24
					08/27/2018	ND	2.6	23
					Period Mean	<2.7		
					Period Max	<2.7		
	Silver	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	3.9 DNQ	0.69	12
			weight		07/24/2018	3.6 DNQ	0.71	13
					08/20/2018		0.74	13
					08/27/2018		0.77	14
						4.4 DNQ		
					Period Max	5.5 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		0.65	12
		LI A OUTUB	weight	I Idill 2 Oake	07/17/2018		0.65	12
		1	9		0//24/2018	אוט טוזע	10.00	114

Category	Parameter Parameter	Method	Units	ents Analysis i Sample Location	Sample Date	Result	MDL	RL
					08/27/2018	5.0 DNQ	0.66	12
					Period Mean	4.6 DNQ		
					Period Max	5.1 DNQ		
	Thallium	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018		1.6	25
			weight		Period Mean	<1.6	-	
					Period Max	<1.6		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		1.5	23
		LIAGOIGE	weight	I lailt 2 Cake	Period Mean	<1.5	1.0	20
			g		Period Mean	<1.5		
	\/= = = di=	EDA COAOD	manuffen alme	Diant 1 Calca			2.6	4.9
	Vanadium	EPA 6010B	mg/kg dry weight	Plant 1 Cake	07/17/2018		2.0	4.9
			Weight		Period Mean	22		
					Period Max	22		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018		2.4	4.6
			weight		Period Mean	55		
					Period Max	55		
	Zinc	EPA 6010B	mg/kg dry	Plant 1 Cake	07/17/2018	580	8.5	25
			weight		07/24/2018	570	8.7	25
					08/20/2018	730	9.1	26
					08/27/2018	670	9.5	27
					Period Mean	640		
					Period Max	730		
		EPA 6010B	mg/kg dry	Plant 2 Cake	07/17/2018	660	8.0	23
			weight		07/24/2018		8.0	23
					08/20/2018		8.4	24
					08/27/2018		8.1	23
					Period Mean	740	0.1	23
					Period Max	810		
latila Organia	1112-	EDA 0000D	rradica almi	Diant 1 Calca			22	110
latile Organic mpounds	Tetrachloroetha	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	110
inpounds	ne				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	110
					Period Mean	<23		
					Period Max	<23		
	1,1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Trichloroethane				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	1,1,2,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	46
	Tetrachloroetha				Period Mean	<23		
	ne				Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
			1.5.5		Period Mean	<23		-
					Period Max	<23		
	1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Trichloroethane		רטייט שיי	Touro	Period Mean	<23		
					Period Max	<23		
		EPA 8260B	ua/ka day	Plant 2 Cake	07/17/2018		23	46
		LFA 0200D	μg/kg dry	Flant 2 Cake	Period Mean	<23	23	40
		ED 4 06555		D	Period Max	<23		10
	1,1-	EPA 8260B	µg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Dichloroethane				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
					Period Mean	<23		
				Period Max	<23			

Parameter	Method	Units	Sample	Sample Date	Result	MDL	R
			Location	,			
1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	1
Dichloroethene				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	1
				Period Mean	<23		
				Period Max	<23		
1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
Dichloropropene		F99 a)	. iaini i Ganis	Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
	LI A 0200B	µg/kg diy	I lant 2 dake	Period Mean	<23	20	
				Period Max	<23		
1,2,3-	EPA 8260B	ua/ka dny	Plant 1 Cake	07/17/2018		23	1
Trichlorobenzen	EPA 0200B	μg/kg dry	Plant I Cake	Period Mean	<23	23	
e							
	EDA COCCE		Diam's O.C.	Period Max	<23	22	
	EPA 8260B	µg/kg dry	Plant 2 Cake	07/17/2018		23	1
				Period Mean	<23		
				Period Max	<23		
1,2,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	2
Trichloropropan				Period Mean	<23		
е				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	2
				Period Mean	<23		
				Period Max	<23		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	•
Trichlorobenzen				Period Mean	<23		
e I				Period Max	<23		
	EPA 8260B µg/kg dry	Plant 2 Cake	07/17/2018	ND	23	1	
			Period Mean	<23			
				Period Max	<23		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Trimethylbenze				Period Mean	<23	1	
ne				Period Max	<23		_
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
		1 337		Period Mean	27 DNQ	-	
				Period Max	27 DNQ	+	-
1,2-Dibromo-3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		46	1
chloropropane	L1 7. 0200D	pg/ng dry	I Idill 1 Odilo	Period Mean	<46	10	
l 1-a				Period Mean	<46		-
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		46	
	LFA 0200B	µg/kg dry	riai il Z Cake			40	
				Period Mean	<46	-	
4.0	EDA COCCE		Di	Period Max	<46	00	
1,2- Dibromoethane	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
มมาบากอยกลาย				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Dichlorobenzen				Period Mean	<23		
е				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	4
				Period Mean	<23		\dashv
				Period Max	<23		\neg
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
Dichloroethane		רט אייפים איי	i Jako	Period Mean	<23		
				TI CITOU IVICALI	-20	1	

Parameter	Method	Units	Sample	Sample Date	Result	MDL	R
			Location				
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Dichloropropane				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	4
				Period Mean	<23		
				Period Max	<23		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Trichlorobenzen				Period Mean	<23		
е				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	22	4
				Period Mean	<22		
				Period Max	<22		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
Trimethylbenze				Period Mean	<23		
ne				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	
		ניש פיייפייו	l 2 Gang	Period Mean	<23		
				Period Max	<23		-
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	
Dichlorobenzen	217702000	pg/kg dry	Tiant Toaks	Period Mean	<23	20	
е				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
	LI A 0200B	µg/kg diy	I lant 2 Cake	Period Mean	<23	23	
				Period Max	<23		
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
Dichloropropane		µg/kg ary	Plant I Cake	Period Mean	<23	23	
Bioriioropropuno				Period Max	<23		-
	EPA 8260B	//	Diant 2 Calca			22	
	EPA 0200D	μg/kg dry	Plant 2 Cake	07/17/2018		23	
				Period Mean	<23		_
	504 0000		DI (10)	Period Max	<23		
1,4- Dichlorobenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
e				Period Mean	<23		
-	EDA 00000		DI (2.2.)	Period Max	<23	00	
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
2,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	- 4
Dichloropropane				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
2-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	
				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	
				Period Mean	<23		
				Period Max	<23		
2-Hexanone	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	110	į
				Period Mean	<110		
				Period Max	<110		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		110	5
		, 5 5,		Period Mean	<110		
				Period Max	<110		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location			_	
4-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	11
				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	11
			1	Period Mean	<23		
				Period Max	<23		
Acrolein	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		230	23
Acroiciii	LI A 0200B	µg/kg di y	Tiant Toake	Period Mean	<230	200	
				Period Max	<230		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		230	23
	LFA 0200B	µg/kg diy	Flam 2 Cake	Period Mean	<230	230	2.
				Period Mean	<230		
A ! ! !	EDA OCCOD		Disast 4 Oslas			400	0
Acrylonitrile	EPA 8260B	µg/kg dry	Plant 1 Cake	07/17/2018		460	23
				Period Mean	<460		
	EDA 2222	,, ,	Di iooi	Period Max	<460	400	
	EPA 8260B	µg/kg dry	Plant 2 Cake	07/17/2018		460	23
				Period Mean	<460		
				Period Max	<460		
Benzene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
				Period Mean	<23		
				Period Max	<23		
Bromobenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	1
				Period Mean	<23		
Í				Period Max	<23		
	EPA 8260B µg/kg dry	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	1
			Period Mean	<23			
				Period Max	<23		
Bromochloromet	EPA 8260B	μg/kg dry	g/kg dry Plant 1 Cake	07/17/2018		23	11
hane			dry Trant Toake	Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	1
		ריש ייש איי	c 2 Juno	Period Mean	<23		
				Period Max	<23		-
Bromodichlorom	FPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
ethane	_1 / (0200)	pg/ng diy	I Idill I Oake	Period Mean	<23		-+1
-				Period Max	<23		-
	EPA 8260B	ua/ka da	Plant 2 Cake	07/17/2018		23	46
	EPA 0200B	µg/kg dry	Piant ∠ Cake			۷۵	40
				Period Mean	<23		
D	EDA COCCE		Disast 4.0.1	Period Max	<23	40	
Bromoform	EPA 8260B	µg/kg dry	Plant 1 Cake	07/17/2018		46	1
				Period Mean	<46		
				Period Max	<46		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		46	1
				Period Mean	<46		
				Period Max	<46		
Bromomethane	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	1
				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	11
				Period Mean	<23		
				Period Max	<23		
Carbon	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	11
tetrachloride		1-337		Period Mean	<23		
					_~	1	

ory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	110
		LI / CZOOB	pg/kg dry	Tidit 2 date	Period Mean	<23	20	110
					Period Max	<23		
	Chlorobenzene	EDA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Onioropenzene	LI A 0200B	pg/kg dry	Tiant Toake	Period Mean	<23	20	70
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
		EFA 6200B	µg/kg dry	Plant 2 Cake	Period Mean	<23	23	40
					Period Max	<23		
	Chlanasthana	EDA 0000D	/Icas alms	Diant 1 Calca			40	110
	Chloroethane	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		46	110
					Period Mean	<46		
				DI (00)	Period Max	<46	10	110
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		46	110
					Period Mean	<46		
					Period Max	<46		
	Chloroform	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	Chloromethane	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	110
					Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	110
			13 3 7		Period Mean	<23		
					Period Max	<23		
	cis-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Dichloroethene	LI / CZOOB	pg/kg dry	Tidile Found	Period Mean	<23	20	10
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
		EFA 6200B	µg/kg diy	Platit 2 Cake	Period Mean	<23	23	40
						<23		
	aia 4.0	EDA 0000D	/Icas alms	Diant 1 Calca	Period Max		22	40
	cis-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	Dichloropropene				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
					Period Mean	<23		
					Period Max	<23		
	Dibromochlorom	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	ethane				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	Dibromomethan	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	46
	е				Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	46
					Period Mean	<23		
					Period Max	<23		
	Dichlorodifluoro	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		46	110
	methane		Laus all	ant i dano	Period Mean	<46		
					Period Max	<46		
		EPA 8260B	ug/kg day	Plant 2 Cake	07/17/2018		46	110
		LFA 0200D	μg/kg dry	FIAIIL Z CAKE	Period Mean	<46	40	110
					Period Max	<46		

•	•				n Biosolids for			
ry	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Ethylbenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	46
	,		, ,		Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
		2.7.02002	µg/ng ary	Tiant 2 Gano	Period Mean	<23	20	
					Period Max	<23		
	Hexachlorobuta	EDA 9360B	ua/ka dm/	Plant 1 Cake	07/17/2018		23	110
	diene	EPA 0200B	μg/kg dry	Plant I Cake	Period Mean	<23	23	110
	dionio							
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	110
					Period Mean	<23		
					Period Max	<23		
	Isobutyl alcohol	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		570	1100
					Period Mean	<570		
					Period Max	<570		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	570	1100
					Period Mean	<570		
					Period Max	<570		
	Isopropylbenzen	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	46
	е		1.337		Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
		LFA 0200B	µg/kg diy	Flant 2 Cake	Period Mean	<23	23	40
						<23		
		504 0000	, ,	DI (10)	Period Max		10	
	m,p-Xylenes	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		46	91
					Period Mean	<46		
					Period Max	<46		
		EPA 8260B	μg/kg dry		07/17/2018		46	91
					Period Mean	<46		
					Period Max	<46		
	Methyl ethyl	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	550	110	230
	ketone				Period Mean	550		
					Period Max	550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	110	230
					Period Mean	<110		
					Period Max	<110		
	Methylene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		110	460
	Chloride		F-9/··9 4.7	l lant i Gant	Period Mean	<110	10	1.00
					Period Max	<110		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		110	460
		LFA 0200D	µg/kg ury	FIAIIL 2 CARE	Period Mean	<110	110	400
	MIDIC	EDA COCCE		Dia::440.4	Period Max	<110	F.7	440
	MIBK	EPA 8260B	µg/kg dry	Plant 1 Cake	07/17/2018		57	110
					Period Mean	<57		
					Period Max	<57		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		57	110
					Period Mean	<57		
					Period Max	<57		
	Naphthalene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	46	110
					Period Mean	<46		
					Period Max	<46		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		46	110
			1 5 5 7	535	Period Mean	<46	· · ·	
					Period Max	<46		
	n-Butylbenzene	EDA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	110
	n-batylbelizelie	LI A 0200D	µg/kg uly	I MILL I CARE	Period Mean	<23	20	110
	and the second s				L CHOO MEGII	~20		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	R
			Location				
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	1
				Period Mean	<23		
				Period Max	<23		
n-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Propylbenzene				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
		F9.1.9)		Period Mean	<23		
				Period Max	<23		
o-Xylene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
- 7.y.cc		F9/.19 4.7		Period Mean	<23		
				Period Max	<23		-
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
	LFA 0200B	µg/kg diy	Flatil 2 Cake	Period Mean	<23	23	-
				Period Max	<23		
200	EDA 9360D	المرادم ما	Plant 1 Cake			22	
sec- Butylbenzene	EPA 8260B	μg/kg dry	Plant i Cake	07/17/2018		23	1
Datyibelizelle				Period Mean	<23		
	EDA 2222	, ,	DI	Period Max	<23	00	_
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	
				Period Mean	<23		
				Period Max	<23		
Styrene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
tert-	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	4
				Period Mean	<23		
				Period Max	<23		
	EPA 8260B µg/kg dry	Plant 1 Cake	07/17/2018	ND	23		
Butylbenzene		EI / (0200		Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	
				Period Mean	<23		
				Period Max	<23		
Tetrachloroethe	FPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	
ne		רט אויים אויי	a.r. i ouro	Period Mean	<23		
				Period Max	<23		-
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	
	LI A 0200D	µg/kg diy	I Idill 2 Care	Period Mean	<23	20	
				Period Max	<23		-
Toluene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	
ioluene	EFA 0200B	µg/kg dry	riant i Cake			23	
				Period Mean	<23		
	EDA 2003	, ,	DI () 2 2 1	Period Max	<23	00	_
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
				Period Mean	<23		
				Period Max	<23		
trans-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018		23	4
Dichloroethene				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	4
				Period Mean	<23		
				Period Max	<23		
trans-1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	4
Dichloropropene				Period Mean	<23		
				Period Max	<23		
	EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	4
		3.13.3.7	343	Period Mean	<23		
				i Silou Mouli			

ategory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date	Result	MDL	RL
	Trichloroethene	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	46
			P3 - 3 - 7		Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	46
		LI 7 0200B	pg/kg dry	I WIN 2 OWN	Period Mean	<23	20	40
					Period Max	<23		
	Trichlorofluorom	EDA 0000D	//	Plant 1 Cake	07/17/2018		23	110
	ethane	EPA 0200B	µg/kg dry	Plant I Cake	Period Mean		23	110
	Ctriano					<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018		23	110
					Period Mean	<23		
					Period Max	<23		
	Vinyl chloride	EPA 8260B	μg/kg dry	Plant 1 Cake	07/17/2018	ND	23	110
					Period Mean	<23		
					Period Max	<23		
		EPA 8260B	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23	110
					Period Mean	<23		
					Period Max	<23		
ni-Volatile	1,2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	26000	310000
anic	Trichlorobenzen		P3 · · 3 · · ·)		Period Mean	<26000		
npounds	е				Period Max	<26000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		25000	300000
		LFA 02/0C	µg/kg ury	Flant 2 Cake	Period Mean	<25000	23000	300000
	1.0	504 00700	, ,	DI	Period Max	<25000	0.1000	0.40000
	1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		21000	310000
	Dichlorobenzen e				Period Mean	<21000		
	6	ED 1 00700		DI 1001	Period Max	<21000		
		EPA 8270C μg/kg	μg/kg dry	Plant 2 Cake	07/17/2018		20000	300000
					Period Mean	<20000		
					Period Max	<20000		
	1,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	11000	310000
	Dichlorobenzen				Period Mean	<11000		
	е				Period Max	<11000		
		EPA 8270C	μg/kg dry	g/kg dry Plant 2 Cake	07/17/2018	ND	11000	300000
			, ,		Period Mean	<11000		
					Period Max	<11000		
	1,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		13000	310000
	Dichlorobenzen		ליא פייים אין	I Juno	Period Mean	<13000		2.0000
	е				Period Max	<13000	-	
		EPA 8270C	ua/ka day	Plant 2 Cake	07/17/2018		12000	300000
		LFA 02/00	μg/kg dry	Fiant 2 Cake	Period Mean	<12000	12000	300000
							-	
	0.4.5	EDA 20722		Di- v. 4.0. i	Period Max	<12000	0000	040000
	2,4,5-	EPA 8270C	µg/kg dry	Plant 1 Cake	07/17/2018		9300	310000
	Trichlorophenol				Period Mean	<9300		
					Period Max	<9300		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	300000
					Period Mean	<9000		
					Period Max	<9000		
	2,4,6-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	9300	310000
	Trichlorophenol				Period Mean	<9300		
					Period Max	<9300		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	300000
					Period Mean	<9000	-	
					Period Max	<9000		
	2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		9300	310000
	L.T-	LI A 02/00	pg/kg ury	i ianit i Cake	01/11/2010	טאו	9000	510000
	Dichlorophenol				Period Mean	<9300		

у	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	9000	300000
					Period Mean	<9000		
					Period Max	<9000		
	2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		62000	310000
	Dimethylphenol		13 3 3		Period Mean	<62000		
					Period Max	<62000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		59000	300000
		217102700	pg/kg dry	Tidit 2 date	Period Mean	<59000	00000	000000
					Period Max	<59000		
	2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		310000	1500000
	Dinitrophenol	LI A 0270C	µg/kg diy	I lant I Cake	Period Mean	<310000	310000	1300000
	Billitrophonor				Period Max	<310000		
		EDA 00700		Disast 0. Oslas			200000	4400000
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		300000	1400000
					Period Mean	<300000		
					Period Max	<300000		
	2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		62000	310000
	Dinitrotoluene				Period Mean	<62000		
					Period Max	<62000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	59000	300000
					Period Mean	<59000		
					Period Max	<59000		
	2,6-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	26000	310000
	Dinitrotoluene				Period Mean	<26000		
					Period Max	<26000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	25000	300000
					Period Mean	<25000		
					Period Max	<25000		
	2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		9300	310000
	Chloronaphthale		1-3/37		Period Mean	<9300		1
	ne				Period Max	<9300		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	300000
		217102700	pg/kg dry	Tiant 2 date	Period Mean	<9000	0000	000000
					Period Max	<9000		
	2-Chlorophenol	EDA 9270C	μg/kg dry	Plant 1 Cake	07/17/2018		20000	310000
	2-Chiorophenoi	EFA 6270C	µg/kg dry	Plant I Cake	Period Mean	<20000	20000	310000
		EDA 00700		Disast 0. Oslas	Period Max	<20000	10000	200000
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		19000	300000
					Period Mean	<19000		
					Period Max	<19000		
	2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		18000	310000
	Methylnaphthale ne				Period Mean	<18000		
	110				Period Max	<18000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		17000	300000
					Period Mean	<17000		
					Period Max	<17000		
	2-Methylphenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		12000	310000
					Period Mean	<12000		
					Period Max	<12000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	12000	300000
					Period Mean	<12000		
					Period Max	<12000		
	2-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		47000	1500000
			1 3 3 7		Period Mean	<47000		
					Period Max	<47000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		45000	1400000
		LI / 02/00	pg/kg uly	I Idill 2 Care		<45000	73000	1400000
					Period Mean			

	of Priority Pollu							DI
y	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	2-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	9300	310000
	2 Title opinionion	2.7102.00	µg/ng ary	Tiant Toate	Period Mean	<9300	0000	0.0000
					Period Max	<9300		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	300000
		LFA 02/0C	µg/kg diy	Flant 2 Cake	Period Mean	<9000	9000	300000
		ED 4 00700	, ,	DI (10)	Period Max	<9000	0.4000	22222
	3,3- Dichlorobenzidi	EPA 8270C	µg/kg dry	Plant 1 Cake	07/17/2018		84000	620000
	ne				Period Mean	<84000		
	iie				Period Max	<84000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		81000	590000
					Period Mean	<81000		
					Period Max	<81000		
	3-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	31000	310000
	METHYLPHEN				Period Mean	<31000		
	OL				Period Max	<31000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	30000	300000
					Period Mean	<30000		
					Period Max	<30000		
	3-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		68000	1500000
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	F-9/··9 4.7	l lant i Gant	Period Mean	<68000	00000	100000
					Period Max	<68000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		65000	1400000
		LI A 0270C	µg/kg diy	I lant 2 Cake	Period Mean	<65000	03000	1400000
					Period Max	<65000		
	4.0 Divitor 0	EDA 00700		Diamet 4 Oalea			240000	450000
	4,6-Dinitro-2- methylphenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		310000	1500000
	metryiphenoi				Period Mean	<310000		
					Period Max	<310000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		300000	1400000
					Period Mean	<300000		
					Period Max	<300000		
	4-Bromophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	18000	310000
	phenyl ether				Period Mean	<18000		
					Period Max	<18000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	17000	300000
					Period Mean	<17000		
					Period Max	<17000		
	4-Chloro-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	62000	310000
	methylphenol		13.3		Period Mean	<62000		
					Period Max	<62000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		59000	300000
		LI A 02/00	pg/ng diy	I Idill 2 Oake	Period Mean	<59000	33000	550000
					Period Max	<59000 <59000		
	4 Chloroppilis	EDA 92700	ua/ka dar	Plant 1 Cake	07/17/2018		76000	310000
	4-Chloroaniline	EPA 8270C	μg/kg dry	rialit i Cake			7 0000	310000
					Period Mean	<76000		
				DI : :	Period Max	<76000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		73000	300000
					Period Mean	<73000		
					Period Max	<73000		
	4-Chlorophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		20000	310000
	phenyl ether				Period Mean	<20000		
					Period Max	<20000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	19000	300000
					Period Mean	<19000		
					Period Max	<19000		
	4-Methylphenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		31000	310000
	,,,		, 5 5,		Period Mean	<31000		
	1				Period Max	<31000		

	Parameter	Method	Units	ients Analysis i Sample	n Biosolids for Sample Date	Result	y - August MDL	RL
		EDA 00700	/Icas alm.s	Location	07/47/2040	ND	20000	200000
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		30000	300000
					Period Mean	<30000		
					Period Max	<30000		
2	4-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Cake	07/17/2018		68000	1500000
					Period Mean	<68000		
					Period Max	<68000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		65000	1400000
					Period Mean	<65000		
					Period Max	<65000		
4	4-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	90000	1500000
					Period Mean	<90000		
					Period Max	<90000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	87000	1400000
			13 3 3		Period Mean	<87000		
					Period Max	<87000		
1	Acenaphthene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		9600	310000
	-ceriapititierie	LI A 02700	µg/kg diy	I lant I Cake	Period Mean	<9600	3000	310000
					Period Max	<9600 <9600		
		EDA 00700	0 1	DI 1001			0000	200000
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		9200	300000
					Period Mean	<9200		
					Period Max	<9200		
P	Acenaphthylene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	16000	310000
					Period Mean	<16000		
					Period Max	<16000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	15000	300000
					Period Mean	<15000		
					Period Max	<15000		
A	Aniline	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	120000	310000
			13 3 3		Period Mean	<120000		
					Period Max	<120000		
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		120000	300000
		LI A 02700	µg/kg dry	I lant 2 dake	Period Mean	<120000	120000	300000
					Period Max	<120000		
,	N nthracana	EPA 8270C	ualka dar	Plant 1 Cake	07/17/2018		16000	310000
	Anthracene	EPA 02/00	μg/kg dry	Plant I Cake			16000	310000
						<16000		
					Period Max	<16000		
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		15000	300000
					Period Mean	<15000		
					Period Max	<15000		
	Azobenzene/1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		21000	310000
	Diphenylhydrazi				Period Mean	<21000		
r	ne				Period Max	<21000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	20000	300000
					Period Mean	<20000		
					Period Max	<20000		
E	Benz(a)anthrac	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	19000	310000
	ene `´				Period Mean	<19000		
					Period Max	<19000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		18000	300000
			1-337		Period Mean	<18000		
					Period Max	<18000		
r	Benzidine	EPA 8270C	ug/kg day	Plant 1 Cake	07/17/2018		920000	3100000
	Jenziulite	LFA 02/00	μg/kg dry	rialit i Cake			920000	3100000
					Period Mean	<920000		
		EDA 2077	, ,	DI (0.5.)	Period Max	<920000	00000	000000
		EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		890000	3000000
					Period Mean	<890000		
					Period Max	<890000		

	of Priority Pollu							
ry	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Benzo(a)pyrene	FPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	19000	310000
	201120(4)/2310110	/	F-9/···9 4)	l lant i Gant	Period Mean	<19000	.0000	0.0000
					Period Max	<19000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		18000	300000
		LFA 02/0C	µg/kg diy	Flant 2 Cake	Period Mean	<18000	10000	300000
	D (1) (1	ED 1 00700		DI (10)	Period Max	<18000	0.4000	0.10000
	Benzo(b)fluoran	EPA 82/0C	μg/kg dry	Plant 1 Cake	07/17/2018		24000	310000
	thene				Period Mean	<24000		
					Period Max	<24000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		23000	300000
					Period Mean	<23000		
					Period Max	<23000		
	Benzo(g,h,i)pery	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	15000	310000
	lene				Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	14000	300000
			, ,		Period Mean	<14000		
					Period Max	<14000		
	Benzo(k)fluorant	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		37000	310000
	hene	217(02700	pg/kg dry	Tiant Toako	Period Mean	<37000	07000	010000
					Period Max	<37000		
		EDA 02700	//	Diamt 2 Calca			20000	200000
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		36000	300000
					Period Mean	<36000		
					Period Max	<36000		
	Benzoic acid	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		310000	1500000
					Period Mean	<310000		
					Period Max	<310000		
		EPA 8270C μg/kg dry	Plant 2 Cake	07/17/2018	ND	300000	1400000	
					Period Mean	<300000		
					Period Max	<300000		
	Benzyl alcohol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	9300	310000
			, , ,		Period Mean	<9300		
					Period Max	<9300		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	300000
		2.7.02.00	µg/ng ary	Tiant 2 Gano	Period Mean	<9000	0000	000000
					Period Max	<9000		
	Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		21000	310000
	chloroethoxy)m	LFA 02/0C	µg/kg diy	Flant I Cake	Period Mean	<21000	21000	310000
	ethane							
		EDA 20722		DI- 100	Period Max	<21000	04000	000000
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		21000	300000
					Period Mean	<21000		
					Period Max	<21000		
		EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		15000	310000
	chloroethyl)ethe				Period Mean	<15000		
	ľ				Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	15000	300000
					Period Mean	<15000		
					Period Max	<15000		
	Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		21000	310000
	chloroisopropyl)				Period Mean	<21000		
	ether				Period Max	<21000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		21000	300000
		02.100	ma, ng ary	I Idill 2 Odilo	Period Mean	<21000	_ 1000	300000
					Period Max	<21000		
	Dio/2	EDA 92700	المرادم ط	Dignt 1 Calca			42000	240000
	Bis(2- ethylhexyl)phtha	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		43000	310000
	late				Period Mean	<43000		
	late				Period Max	<43000		

nary of _{ry}	Priority Pollu Parameter	tants and Ti Method	ace Constitu	uents Analysis i Sample	n Biosolids for Sample Date	2018 - Jul Result	y - August MDL	RL
				Location				
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		41000	300000
					Period Mean	<41000		
					Period Max	<41000		
	Butyl benzyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		40000	310000
	phthalate				Period Mean	<40000		
					Period Max	<40000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	39000	300000
					Period Mean	<39000		
					Period Max	<39000		
	Chrysene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	25000	310000
					Period Mean	<25000		
					Period Max	<25000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		24000	300000
			13 3 3		Period Mean	<24000		
					Period Max	<24000		
	Cresol	EPA 8270C	µg/kg dry	Plant 1 Cake	07/17/2018		12000	310000
	210001		Paring Gry	I Idik i Odko	Period Mean	<12000	12000	3.3000
					Period Max	<12000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		12000	300000
		LI A 02/00	µg/kg uly	i iaiit 2 Cake	Period Mean	<12000	12000	300000
					Period Max	<12000		
	Dibana(a b)anth	EDA 00700	/lear_alm.e	Dlant 1 Calca			10000	240000
	Dibenz(a,h)anth racene	EPA 82/0C	µg/kg dry	Plant 1 Cake	07/17/2018		18000	310000
	racerie				Period Mean	<18000		
					Period Max	<18000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		17000	300000
					Period Mean	<17000		
		EDA 00700//cm dm.		Period Max	<17000			
	Dibenzofuran	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		19000	310000
					Period Mean	<19000		
					Period Max	<19000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	18000	300000
					Period Mean	<18000		
					Period Max	<18000		
	Diethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	24000	620000
	phthalate				Period Mean	<24000		
					Period Max	<24000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	23000	590000
			100,		Period Mean	<23000		
					Period Max	<23000		
	Dimethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		21000	310000
	phthalate	LI A 02/00	µg/kg dry	I lant I dake	Period Mean	<21000	21000	310000
	ľ				Period Max	<21000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		21000	300000
		LFA 02/0C	µg/kg diy	Flant 2 Cake	Period Mean	<21000	21000	300000
					Period Max	<21000		
	Di bt-i	EDA 00700		Diamet 4 Oalea			07000	040000
	Di-n-butyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Cake	07/17/2018		27000	310000
	primalate				Period Mean	<27000		
				D	Period Max	<27000	0	
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		26000	300000
					Period Mean	<26000		
					Period Max	<26000		
	Di-n-octyl	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		13000	310000
	phthalate				Period Mean	<13000		
					Period Max	<13000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	13000	300000
					Period Mean	<13000		
					Period Max	<13000		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
Fluoranthene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	34000	3100
				Period Mean	<34000		
				Period Max	<34000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		32000	3000
				Period Mean	<32000		
				Period Max	<32000		
Fluorene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	17000	3100
				Period Mean	<17000		
				Period Max	<17000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	16000	3000
				Period Mean	<16000		
				Period Max	<16000		
Hexachlorobenz	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	27000	3100
ene		-99)		Period Mean	<27000		
				Period Max	<27000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		26000	3000
		pg/ng dry	I MILL CARE	Period Mean	<26000	20000	3000
				Period Max	<26000		
Havashlarahuta	EDA 9270C	ug/kg dn/	Plant 1 Cake			0300	2100
Hexachlorobuta diene	LFA 02/00	μg/kg dry	rialit i Cake	07/17/2018		9300	3100
GIOTIO				Period Mean Period Max	<9300 <9300		_
	EDA 00700		Diamet O Oalaa			0000	2000
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		9000	3000
				Period Mean	<9000		
				Period Max	<9000		
Hexachlorocyclo	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		47000	1500
pentadiene				Period Mean	<47000		
				Period Max	<47000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	45000	1400
				Period Mean	<45000		
				Period Max	<45000		
Hexachloroetha	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	20000	3100
ne				Period Mean	<20000		
				Period Max	<20000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	19000	3000
				Period Mean	<19000		
				Period Max	<19000		
Indeno(1,2,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	21000	3100
cd)pyrene				Period Mean	<21000		
				Period Max	<21000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		20000	3000
		mg/ ng di y	. Idit 2 Odito	Period Mean	<20000		3000
				Period Max	<20000	-	
Isophorone	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		16000	3100
isopiloione	LFA 02/00	µg/kg diy	Flatit I Cake	Period Mean	<16000	10000	3100
						-	
	EDA 00700	ا المالات عاد :	Dignat 0. Only	Period Max	<16000	15000	2000
	EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		15000	3000
				Period Mean	<15000		
L				Period Max	<15000		
Naphthalene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		29000	3100
				Period Mean	<29000		
				Period Max	<29000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	28000	3000
				Period Mean	<28000		
				Period Max	<28000		
Nitrobenzene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	21000	3100
				Period Mean	<21000		
					<21000		

Category	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	20000	300000
					Period Mean	<20000		
					Period Max	<20000		
	N-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		34000	310000
	Nitrosodimethyl		13.3		Period Mean	<34000		1 1111
	amine				Period Max	<34000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		33000	300000
		LI A 02700	pg/kg dry	I lant 2 dake	Period Mean	<33000	33000	300000
					Period Max	<33000		
	N-Nitroso-di-n-	EPA 8270C	ua/ka dmi	Plant 1 Cake	07/17/2018		29000	310000
	propylamine	EPA 02/0C	μg/kg dry	Plant I Cake			29000	310000
	propylamine				Period Mean	<29000		
					Period Max	<29000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		28000	300000
					Period Mean	<28000		
					Period Max	<28000		
	N-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	20000	310000
	Nitrosodiphenyl				Period Mean	<20000		
	amine				Period Max	<20000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	19000	300000
					Period Mean	<19000		
					Period Max	<19000		
	Pentachlorophe	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		310000	1500000
	nol		1.39)		Period Mean	<310000		100000
					Period Max	<310000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		300000	1400000
		LI A 0270C	µg/kg diy	I lant 2 Cake	Period Mean	<300000	300000	1400000
					Period Max	<300000		
	Dhanasthaas	EDA 00700	//	Dlant 1 Calca			10000	240000
	Phenanthrene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		16000	310000
					Period Mean	<16000		
					Period Max	<16000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		15000	300000
					Period Mean	<15000		
					Period Max	<15000		
	Phenol	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		17000	310000
					Period Mean	<17000		
					Period Max	<17000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	ND	16000	300000
					Period Mean	<16000		
					Period Max	<16000		
	Pyrene	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	ND	11000	310000
	-				Period Mean	<11000		
					Period Max	<11000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		11000	300000
			ויש פיייש		Period Mean	<11000		33330
					Period Max	<11000		
	Pyridine	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		120000	620000
	yndine	LI A 02/00	pg/kg ury	i iaiit i Cake	Period Mean	<120000	120000	020000
					Period Max	<120000		
		EDA 00700	الحصال	Dlort 0.0-1			100000	E00000
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018		120000	590000
					Period Mean	<120000		
					Period Max	<120000		
Organochlorine	Aldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		60	400
esticides					Period Mean	<60		
					Period Max	<60		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	55	370
					Period Mean	<55		
					Period Max	<55		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
alpha-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		51	40
				Period Mean	<51		
				Period Max	<51		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		47	37
				Period Mean	<47		
				Period Max	<47		
beta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	160	40
				Period Mean	<160		
				Period Max	<160		
	EPA 8081A	µg/kg dry	Plant 2 Cake	07/17/2018	ND	140	3
				Period Mean	<140		
				Period Max	<140		
Chlordane	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	1900	60
				Period Mean	<1900		
				Period Max	<1900		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	1700	54
		-		Period Mean	<1700		
				Period Max	<1700		
delta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		96	40
		. 5 5 7		Period Mean	<96		
				Period Max	<96		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		87	37
		F-9···9·)	131112 - 231112	Period Mean	<87		
				Period Max	<87		
Dieldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		50	40
Biolariii	2171000171	µg/ng ary	Tiant Toate	Period Mean	<50	00	
				Period Max	<50		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		46	37
	LI A GOOTA	µg/kg diy	I lant 2 dake	Period Mean	<46	70	01
				Period Max	<46		-
Endosulfan 1	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		42	40
Liidosullali	LI A 000 IA	µg/kg diy	y Flant i Cake	Period Mean	<42	72	70
				Period Max	<42		-
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		38	37
	EFA 606 IA	µg/kg dry	Flatil 2 Cake	Period Mean		30	31
				Period Max	<38 <38		-
Endoulfon 2	EDA 9094A	ua/ka day	Diant 1 Cake	07/17/2018		60	4
Endosulfan 2	EPA 8081A	μg/kg dry	Plant 1 Cake	Period Mean		68	40
					<68		
	EDA 00044		Diat-0.0.1	Period Max	<68	00	
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		62	37
				Period Mean	<62		
F 1 "	EDA 00011	, ,	DI (10)	Period Max	<62		
Endosulfan	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		66	40
Sulfate				Period Mean	<66		
				Period Max	<66		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		60	37
				Period Mean	<60		
				Period Max	<60		
Endrin	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	73	40
				Period Mean	<73		
				Period Max	<73		
	EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	67	37
				Period Mean	<67		
				Period Max	<67		
Endrin Aldehyde	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	41	40
				Period Mean	<41		
					<41		

ry	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	37	370
			, ,		Period Mean	<37		
					Period Max	<37		
	Endrin Ketone	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		120	400
			F9/119 41)	i idini i Ganto	Period Mean	<120	1.20	1.00
					Period Max	<120		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		110	370
		LFA 600 IA	µg/kg ury	Flant 2 Cake	Period Mean	<110	110	370
					Period Max	<110		
		EDA 0004A		Diamet 4 Oalea			440	400
	gamma-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		110	400
					Period Mean	<110		
					Period Max	<110		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		100	370
					Period Mean	<100		
					Period Max	<100		
	Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	51	400
					Period Mean	<51		
					Period Max	<51		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	47	370
			100		Period Mean	<47		
					Period Max	<47		
	Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		100	400
	Epoxide	2171000171	pg/kg dry	Tiant Touto	Period Mean	<100	100	700
	'				Period Max	<100		
		EPA 8081A	ualka dar	Plant 2 Cake	07/17/2018		93	370
		EPA 000 IA	μg/kg dry	Plant 2 Cake			93	370
					Period Mean	<93		
					Period Max	<93		
	Kepone	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		6000	18000
					Period Mean	<6000		
					Period Max	<6000		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		5400	16000
					Period Mean	<5400		
					Period Max	<5400		
	Methoxychlor	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	110	790
					Period Mean	<110		
					Period Max	<110		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	98	720
					Period Mean	<98		
					Period Max	<98		
	Mirex	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		64	400
			ניש פייפיון	l	Period Mean	<64		
					Period Max	<64		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		58	370
			pg/ng dry	I Idill 2 Oake	Period Mean	<58		370
					Period Max	<58		
	o n' DDD	EDA OOO4A	ug/kg day	Diant 1 Calca	07/17/2018		43	400
	o,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake			43	400
					Period Mean	<43		
		ED 1 05511		DI (2 2 1	Period Max	<43		075
		EPA 8081A	µg/kg dry	Plant 2 Cake	07/17/2018		39	370
					Period Mean	<39		
					Period Max	<39		
	o,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	77	400
					Period Mean	<77		
					Period Max	<77		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	71	370
					Period Mean	<71		
	1				Period Max	<71		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
	o,p'-DDT	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	63	400
			13.3		Period Mean	<63		
					Period Max	<63		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		58	370
		2177000177	pg/kg dry	Tiant 2 date	Period Mean	<58	00	010
					Period Max	<58		
	1,000	EDA 0004A	7 1	DI 1401			100	400
	p,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018		130	400
					Period Mean	<130		
					Period Max	<130		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		120	370
					Period Mean	<120		
					Period Max	<120		
	p,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	57	400
					Period Mean	<57		
					Period Max	<57		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	52	370
			1-3/3 7		Period Mean	<52		
					Period Max	<52		
	p,p'-DDT	EDA 9094A	ualka dar	Plant 1 Cake	07/17/2018		140	400
	ו טט- p,p	EPA 8081A	μg/kg dry	Plant I Cake			140	400
					Period Mean	<140		
					Period Max	<140		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		130	370
					Period Mean	<130		
					Period Max	<130		
	Toxaphene	EPA 8081A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	3800	16000
					Period Mean	<3800		
					Period Max	<3800		
		EPA 8081A	μg/kg dry	Plant 2 Cake	07/17/2018		3400	15000
			1-3/3 7		Period Mean	<3400	1	1.0000
					Period Max	<3400		
CBs	PCB 1016	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018		83	240
JD8	PCB 1010	EFA 6062	µg/kg diy	Flant I Cake			03	240
					Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018		78	230
					Period Mean	<78		
					Period Max	<78		
	PCB 1221	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018	ND	83	240
					Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018	ND	78	230
			13.3.3		Period Mean	<78		
					Period Max	<78		
	PCB 1232	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018		83	240
	1 00 1232	Li A 0002	pg/kg ury	I Idill I Cake	Period Mean	<83	00	Z-TU
					Period Mean			
		EDA 0000		DI- 100		<83	70	000
		EPA 8082	µg/kg dry	Plant 2 Cake	07/17/2018		78	230
					Period Mean	<78		
					Period Max	<78		
	PCB 1242	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018	ND	83	240
					Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018	ND	78	230
					Period Mean	<78		
					Period Max	<78		
	PCB 1248	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018		83	240
	1 00 1240	Li A 0002	pg/kg ury	I Idill I Cake			00	Z-TU
					Period Mean	<83		
					Period Max	<83		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018	ND	78	230
			13 3 3		Period Mean	<78		
					Period Max	<78		
	PCB 1254	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018		83	240
	. 62 .26 .		F9/119 41)	i iaiii i Gaine	Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018		78	230
		EPA 0002	µg/kg diy	Platit 2 Cake	Period Mean	<78	70	230
						<78		
	DOD 1000	EDA 0000	0 1	DI 1401	Period Max		00	0.40
	PCB 1260	EPA 8082	µg/kg dry	Plant 1 Cake	07/17/2018		83	240
					Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018		78	230
					Period Mean	<78		
					Period Max	<78		
	PCB_HR_DM	EPA 8082	μg/kg dry	Plant 1 Cake	07/17/2018	ND	83	240
	1				Period Mean	<83		
					Period Max	<83		
		EPA 8082	μg/kg dry	Plant 2 Cake	07/17/2018		78	230
			נייב פיייפייו	2 Gang	Period Mean	<78	. •	===
					Period Max	<78		
erbicides	2,4,5-T	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		110	410
eibicides	2,4,5-1	EPAGISIA	µg/kg diy	Plant I Cake	Period Mean		110	410
						<110		
					Period Max	<110		
	2,4,5-TP	EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		100	380
					Period Mean	<100		
					Period Max	<100		
		EPA 8151A	P	07/17/2018	ND	79	410	
	(Silvex)			Period Mean	<79			
					Period Max	<79		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	73	380
					Period Mean	<73		
					Period Max <73			
	2,4-D	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		250	410
	_,		F9/119 41)	i idini i Ganto	Period Mean	<250		1.0
					Period Max	<250		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		230	380
		LFAGISIA	µg/kg ury	Flant 2 Cake			230	300
					Period Mean	<230		
	0.4.55	EDA 045::	, ,	DI	Period Max	<230	4=0	440
	2,4-DB	EPA 8151A	µg/kg dry	Plant 1 Cake	07/17/2018		150	410
					Period Mean	<150		
					Period Max	<150		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		140	380
					Period Mean	<140		
					Period Max	<140		
	4-Nitrophenol	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	150	1600
					Period Mean	<150		
					Period Max	<150		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	140	1500
					Period Mean	<140		
					Period Max	<140		
	Dalapon	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		140	4900
	Багароп	LI /\ 0101A	May May	I MILL I CARE	Period Mean	<140	170	7500
		EDA 04511		DI- 100	Period Max	<140	400	4000
		EPA 8151A	µg/kg dry	Plant 2 Cake	07/17/2018		130	4600
					Period Mean	<130		
	1				Period Max	<130		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
	Dicamba	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	94	410
			13.3		Period Mean	<94		-
					Period Max	<94		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		87	380
		LIAUIJIA	µg/kg diy	I lant 2 Cake	Period Mean	<87	07	300
					Period Max	<87		
	Dichlorprop (2,4-	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		54	410
	DP)				Period Mean	<54		
					Period Max	<54		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	50	380
					Period Mean	<50		
					Period Max	<50		
	MCPA	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	9400	99000
			, ,		Period Mean	<9400		
					Period Max	<9400		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		8700	91000
		LIAUIJIA	µg, ng ury	I Idill 2 Cake	Period Mean	<8700	0700	31000
						<8700 <8700		
	MODD	EDA 04544		Dis not 4 O d	Period Max		0.400	00000
	MCPP	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		8400	99000
					Period Mean	<8400		
					Period Max	<8400		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018	ND	7800	91000
					Period Mean	<7800		
					Period Max	<7800		
	Pentachlorophe	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018	ND	21	410
	nol				Period Mean	<21		
					Period Max	<21		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		19	380
		217(01017)	pg/kg dry	Tidit 2 Gato	Period Mean	<19	10	000
					Period Max	<19		
	Distance	EDA 0454A		Disast 4 Oslas			00	110
	Picloram	EPA 8151A	μg/kg dry	Plant 1 Cake	07/17/2018		89	410
					Period Mean	<89		
					Period Max	<89		
		EPA 8151A	μg/kg dry	Plant 2 Cake	07/17/2018		82	380
					Period Mean	5800		
					Period Max	5800		
ioxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g dry	Plant 1 Cake	07/17/2018	ND	0.49	4.7
					Period Mean	<0.49		
					Period Max	<0.49		
		EPA 1613B	pg/g dry	Plant 2 Cake	07/17/2018		0.67	4.7
			F3.9 4.3	ant 2 oano	Period Mean	< 0.67	5.57	
					Period Max	<0.67		
antatice le	1000117 77 7	EDA 00700	ن الماليمين	Dignat 0.0-1			000	
entatively lentified	1000147-77-7	EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		900	
ompounds					Period Mean	1400000		
o.i.pourius					Period Max	1400000		
	17-(1,5-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		930	
	DIMETHYLHEX				Period Mean	660000		
	YL)-10,13-				Period Max	660000		
	2,6,10,14,18,22-	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	130000	930	
	TETRACOSAH				Period Mean	130000		
	EXAENE,				Period Max	130000		
	CHOLESTANO	FPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018		930	
	L	, . 02, 00	mg, ng ary	I MILL I OUNG	Period Mean	610000		
	_				Period Max		-	
	0	EDA 00700		DI- 100		610000	000	
	Squalene	EPA 8270C	µg/kg dry	Plant 2 Cake	07/17/2018		900	
					Period Mean	340000		
					Period Max	340000		

Summary	of Priority Pol	lutants and Ti	race Constitu	uents Analysis	n Biosolids for	2018 - Jul	y - August	
Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	UNKNOWN	EPA 8270C	μg/kg dry	Plant 1 Cake	07/17/2018	180000	930	
					Period Mean	180000		
					Period Max	180000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	07/17/2018	160000	900	
					Period Mean	160000		
					Period Max	160000		

tegory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
eral	Ammonia-N	SM 4500 NH3 G	mg/kg dry	Plant 1 Cake	09/18/2018	5200	250	1300
mistry			weight		09/25/2018	5500	280	1400
					10/16/2018	5900	270	1400
					10/23/2018	6600	270	
					Period Mean	5800		
					Period Max	6600		
		SM 4500 NH3 G	ma/ka drv	Plant 2 Cake	09/18/2018	4600	230	1200
			weight		09/25/2018		230	
			_		10/16/2018		240	
					10/23/2018		250	
					Period Mean	5200	200	1200
					Period Max	5900		
	Hexavalent	EPA 7196A	mg/kg dry	Plant 1 Cake	10/16/2018		27	55
	Chromium	LFA / 190A	weight	Flant I Cake	Period Mean	<27	ZI	33
	Omomun		Weight					
		EDA 7400A		Disast 0. Oslas	Period Max	<27	05	40
		EPA 7196A	mg/kg dry weight	Plant 2 Cake	10/16/2018		25	49
			weigni		Period Mean	<25		
					Period Max	<25		
	Kjeldahl	EPA 351.2	mg/kg dry	Plant 1 Cake	09/18/2018		6400	
	Nitrogen		weight		09/25/2018		6300	
					10/16/2018		6400	
					10/23/2018	60000	7000	9400
					Period Mean	54000		
					Period Max	60000		
		EPA 351.2	mg/kg dry	Plant 2 Cake	09/18/2018	44000	5400	7100
			weight		09/25/2018	51000	5400	7100
					10/16/2018	49000	6800	9000
					10/23/2018	53000	5900	7100 9000 7900
					Period Mean	49000		
					Period Max	53000		
	Nitrate-N	EPA 300.0	mg/kg dry	Plant 1 Cake	09/18/2018		4.1	5.6
			weight		09/25/2018		4.5	
					10/16/2018		4.4	
					10/23/2018		4.3	
					Period Mean		7.0	0.0
					Period Max	<4.5		
		EPA 300.0	ma/ka dni	Plant 2 Cake			3.8	F 2
		EPA 300.0	mg/kg dry weight	Plant 2 Cake	09/18/2018			
			weignt		09/25/2018		3.8	
					10/16/2018		3.9	
					10/23/2018		4.0	5.5
					Period Mean	<4.0		
					Period Max	<4.0		
	Nitrite-N	EPA 300.0	mg/kg dry	Plant 1 Cake	09/18/2018		5.6	
			weight		09/25/2018		6.1	
					10/16/2018	ND	6.0	
					10/23/2018	ND	6.0	8.2
					Period Mean	<6.1		1400 1300 1200 1200 1200 1200 1200 55 49 8600 8500 8500 9400 7100 7100 9000 7900 5.6 6.1 6.0 6.0 5.2 5.2 5.2 5.4 5.5 7.6 8.4 8.2 8.2 8.2
					Period Max	<6.1		
		EPA 300.0	mg/kg dry	Plant 2 Cake	09/18/2018	ND	5.2	7.0
			weight		09/25/2018	ND	5.2	
					10/16/2018		5.4	
					10/23/2018		5.5	
					Period Mean	<5.5	2.0	
					Period Max	<5.5		
	Organia Load	HML 939-M	mg/kg dry	Plant 1 Cake	10/16/2018		0.12	0.30
	Organic Lead	I IIVIL 303-IVI		FIAIIL I CAKE	Period Mean	<0.12	0.12	0.30
			weight					

gory	Parameter	Method	Units	ients Analysis i Sample Location	Sample Date	Result	MDL	RL		
		HML 939-M	mg/kg dry	Plant 2 Cake	10/16/2018	ND	0.11	0.27		
			weight		Period Mean	<0.11		-		
					Period Max	<0.11				
	Organic	CALC	mg/kg dry	Plant 1 Cake	09/18/2018					
	Nitrogen	OALO	weight	I lant I dake	09/25/2018					
					10/16/2018					
					10/23/2018					
					Period Mean	48000				
					Period Max	53000				
		CALC	mg/kg dry	Plant 2 Cake	09/18/2018					
			weight		09/25/2018					
					10/16/2018		.111			
					10/23/2018					
					Period Mean	44000				
					Period Max	47000				
	рН	EPA 9045C	pH units	Plant 1 Cake	09/18/2018	7.6	0.10	0.1		
					09/25/2018	7.9	0.10	0.1		
					10/16/2018	8.1	0.10	0.1		
					10/23/2018	7.8	0.10	0.1		
					Period Mean	7.8		-		
					Period Max	8.1				
		EPA 9045C	pH units	Plant 2 Cake	09/18/2018	-	0.10	0.1		
		L1 7(00 40 0	priamo	l iam = cane	09/25/2018					
					10/16/2018					
					10/23/2018					
					Period Mean	8.0	0.10	0.1		
					Period Max	8.2				
	Tatal Owner ide	EDA 0044		Disast 4 Oslas			0.0	0.7		
	Total Cyanide	EPA 9014	mg/kg dry weight	Plant 1 Cake	10/16/2018		2.3	2.7		
			weight		Period Mean					
			Plant 2 Cake	Period Max						
				Plant 2 Cake	10/16/2018		2.1	2.4		
			weight		Period Mean	<2.1				
					Period Max	<2.1				
	Total Nitrogen	CALC	mg/kg dry	Plant 1 Cake	09/18/2018					
			weight		09/25/2018	55000				
					10/16/2018	54000				
					10/23/2018	60000				
					Period Mean	54000				
					Period Max	60000				
		CALC	mg/kg dry	Plant 2 Cake	09/18/2018	44000				
			weight		09/25/2018					
					10/16/2018					
					10/23/2018					
					Period Mean	49000				
					Period Max	53000				
	Total Solids	SM 2540G	%	Plant 1 Cake	09/18/2018		0.050	0.050		
	. 5.5. 55.145	2 20100	1.5	a.n. i oano	09/25/2018					
					10/16/2018					
					10/10/2018					
					Period Mean	19	0.050	0.050		
		014 05 400	0/	DI- 100	Period Max	20	0.050	0.050		
		SM 2540G	%	Plant 2 Cake	09/18/2018					
					09/25/2018					
					10/16/2018					
					10/23/2018		0.050	0.050		
					Period Mean	21				
				Period Max	21					

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
race Elements	Antimony	EPA 6010B	mg/kg dry	Plant 1 Cake	10/16/2018	ND	2.0	27
			weight		Period Mean	<2.0		
					Period Max	<2.0		
		EPA 6010B	mg/kg dry	Plant 2 Cake	10/16/2018		1.8	24
		217100102	weight	Tiant 2 dans	Period Mean	<1.8	1.0	
			3		Period Max	<1.8		
	A	EDA C040B	una ne lle ne alum e	Plant 1 Cake	09/18/2018		2.8	45
	Arsenic	EPA 6010B	mg/kg dry weight	Plant I Cake			-	-
			weignt		09/25/2018		3.1	
					10/16/2018		3.0	
					10/23/2018		3.0	16
					Period Mean	22		
					Period Max	29		
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018	18	2.5	14
			weight		09/25/2018	21	2.6	14
					10/16/2018	24	2.7	15
					10/23/2018		2.7	
					Period Mean	22		
					Period Max	24		
	Beryllium	EPA 6010B	mg/kg dry	Plant 1 Cake	10/16/2018		0.066	2.7
	beryllium	EPA 60 10B	weight	Plant I Cake			0.000	2.1
			weigiit		Period Mean	<0.066		
					Period Max	<0.066		
		EPA 6010B	mg/kg dry	Plant 2 Cake	10/16/2018		0.059	2.4
			weight		Period Mean	<0.059		
					Period Max	<0.059		
С	Cadmium	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	1.5 DNQ	0.12	15 17 16 16
			weight		09/25/2018	1.6 DNQ	0.14	2.8
					10/16/2018	1.6 DNQ	0.13	2.7
					10/23/2018		0.13	
					Period Mean	2.3 DNQ		
					Period Max	4.4		
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018		0.11	2.2
		EPA 00 10B	weight	Flatil 2 Cake				
			Weight		09/25/2018		0.11	
					10/16/2018		0.12	
					10/23/2018		0.12	2.4
					Period Mean	2.9 DNQ		
					Period Max	3.7		
	Chromium	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	38	1.1	10
			weight		09/25/2018	40	1.2	11
					10/16/2018	40	1.2	11
					10/23/2018		1.2	
					Period Mean	48		
					Period Max	76		
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018		0.98	0.1
		LI A 00 10D	weight	I Iaill 2 Cake			1.0	
			grit		09/25/2018			
					10/16/2018		1.0	
					10/23/2018		1.1	9.8
					Period Mean	49		
					Period Max	57		
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	540	2.2	12
			weight		09/25/2018	490	2.4	14
					10/16/2018	410	2.4	14
					10/23/2018	610	2.4	13
					Period Mean	510		
					Period Max	610		
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018		2.0	11
		LI A 00 10D	weight	I Idill 2 Cake			2.0	12
			wo.grit		09/25/2018			
					10/16/2018	550	2.1	12

tegory	Parameter	Method	Units	Sample Location	in Biosolids for Sample Date	Result	MDL	RL
					10/23/2018	480	2.2	12
					Period Mean	540		
					Period Max	580		
	Iron	EPA 6010B	D10B mg/kg dry weight Plant 1 Cake D10B mg/kg dry weight Plant 2 Cake D10B mg/kg dry weight Plant 1 Cake D10B mg/kg dry weight Plant 2 Cake D10B mg/kg dry weight Plant 2 Cake D10B mg/kg dry weight Plant 2 Cake D10B mg/kg dry weight Plant 1 Cake Per Pri Pri Pri Pri Pri Pri Pri Pri Pri Pr	09/18/2018		11	50	
		2.7.00102		I lain I Gano	09/25/2018		12	55
					10/16/2018		12	55
					10/23/2018		12	53
					Period Mean	74000		
					Period Max	85000		
		EPA 6010B		Plant 2 Cake	09/18/2018	74000	10	46
			weight		09/25/2018	75000	10	46
					10/16/2018	79000	11	48
					10/23/2018	71000	11	49
					Period Mean	75000		
					Period Max	79000		
	Lead	EPA 6010B	ma/ka dry	Plant 1 Cake	09/18/2018		0.68	5.0
	Leau	LI A UU IUD		i iaiit i Cake				
			wo.grit		09/25/2018		0.76	5.5
					10/16/2018		0.75	5.5
					10/23/2018		0.73	5.3
					Period Mean	13		
					Period Max	19		
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018	15	0.63	4.6
			weight		09/25/2018	13	0.64	4.6
					10/16/2018	16	0.66	4.8
					10/23/2018		0.67	4.9
					Period Mean	14	0.01	7.0
					Period Max	16		
	Magnesium	EDA 0040D		DI 1401			47	100
		EPA 6010B	110B mg/kg dry Plant 1 Cake	Plant 1 Cake	09/18/2018		17	120
				09/25/2018		19	140	
					10/16/2018	6100	18	140
					10/23/2018	9400	18	130
					Period Mean	7500		
					Period Max	9400		
		EPA 6010B	ma/ka drv	Plant 2 Cake	09/18/2018		15	110
					09/25/2018		16	120
					10/16/2018		16	120
					10/23/2018			
							16	120
					Period Mean	7900		
					Period Max	8700		
	Mercury	EPA 7471A		Plant 1 Cake	09/18/2018		0.062	0.10
			weight		09/25/2018	1.2	0.066	0.11
					10/16/2018	1.0	0.064	0.11
					10/23/2018	0.72	0.064	0.11
					Period Mean	0.97		
					Period Max	1.2		
		EPA 7471A	mg/kg dry	Plant 2 Cake	09/18/2018		0.057	0.095
			weight	I IGIR Z GARE	09/25/2018		0.057	0.095
					10/16/2018		0.058	0.096
					10/23/2018		0.060	0.10
					Period Mean	0.92		
	Molybdenum				Period Max	1.2		
		EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	17	0.28	10
			weight		09/25/2018	17	0.31	11
					10/16/2018		0.31	11
					10/23/2018		0.30	11
					Period Mean	18	3.00	11
			Period Max	22				

ategory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL	
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018	17	0.26	9.1	
			weight		09/25/2018	18	0.26	9.3	
					10/16/2018	19	0.27	9.7	
					10/23/2018		0.28	9.8	
					Period Mean	18			
					Period Max	19			
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018		0.90	10	
	TVICKCI	LI A OUTOD	weight	Tiant Toake	09/25/2018		0.99	11	
					10/16/2018		0.98	11	
					10/10/2018				
							0.96	11	
					Period Mean	36			
					Period Max	47			
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018		0.82	9.1	
			weight		09/25/2018		0.83	9.3	
					10/16/2018	41	0.87	9.7	
					10/23/2018	36	0.88	9.8	
					Period Mean	40			
					Period Max	41			
	Selenium	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	ND	2.8	25	
			weight		09/25/2018	ND	3.1	28	
					10/16/2018	ND	3.1	27	
					10/23/2018		3.0	27	
						Period Mean	<3.1	0.0	
					Period Max	<3.1			
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018		2.6	23	
		EPA 00 10B	weight					23	
			Weight		09/25/2018		2.6		
					10/16/2018		2.7	24	
					10/23/2018		2.7	24	
					Period Mean	<2.7			
					Period Max	<2.7			
	Silver	EPA 6010B	EPA 6010B	mg/kg dry	Plant 1 Cake	09/18/2018	3.7 DNQ	0.71	12
			weight		09/25/2018	3.6 DNQ	0.78	14	
					10/16/2018	3.4 DNQ	0.77	14	
					10/23/2018	5.9 DNQ	0.76	13	
					Period Mean	4.2 DNQ			
					Period Max	5.9 DNQ			
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018	4.1 DNQ	0.65	11	
			weight		09/25/2018		0.66	12	
					10/16/2018		0.68	12	
					10/23/2018		0.70	12	
					Period Mean	4.4 DNQ	0.10	1-	
					Period Max	5.0 DNQ			
	Thallium	EPA 6010B	mg/kg dry	Plant 1 Cake	10/16/2018		1.8	27	
	rriallium	LFA 00 10D	mg/kg ary weight	FIAIIL I CAKE	Period Mean	<1.8	1.0	Z1	
					Period Mean	<1.8			
		EDA 0040D		Diamet 0.0.1			1.0	0.4	
		EPA 6010B	mg/kg dry	Plant 2 Cake	10/16/2018		1.6	24	
			weight		Period Mean	<1.6			
	Zinc EPA 6010B			Period Max	<1.6				
		mg/kg dry	Plant 1 Cake	09/18/2018		8.6	25		
			weight		09/25/2018		9.6	28	
					10/16/2018	570	9.4	27	
					10/23/2018	950	9.2	27	
					Period Mean	710			
					Period Max	950			
		EPA 6010B	mg/kg dry	Plant 2 Cake	09/18/2018	750	7.9	23	
			weight		09/25/2018		8.0	23	
			weight						

tegory		Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
					10/23/2018	710	8.5	24
					Period Mean	760		
					Period Max	810		
latile Organic	1,1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	2700
mpounds	Tetrachloroetha				Period Mean	<1100		
	ne				Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	2400
		2.7.02003	pg/ng ary	I laik 2 Gako	Period Mean	<980	000	2.100
					Period Max	<980		
	1,1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Trichloroethane	LFA 0200B	µg/kg ury	Flant I Cake	Period Mean	<550	330	1100
	Thomoroculario							
				DI (00)	Period Max	<550	100	200
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
					Period Mean	<490		
					Period Max	<490		
	1 1 1 1	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	550	1100
	Tetrachloroetha				Period Mean	<550		
	ne				Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
	1,1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Trichloroethane	LI 7 0200B	pg/kg dry	Tiant Toute	Period Mean	<550	000	1100
					Period Max	<550 <550		
		EDA 0000D	//	Diamt O Calca			400	000
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
					Period Mean	<490		
					Period Max	<490		
		EPA 8260B μg/kg dry	Plant 1 Cake	10/16/2018		550	1100	
	Dichloroethane			Period Mean	<550			
				Period Max	<550			
		EPA 8260B µg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980	
					Period Mean	<490		
					Period Max	<490		
	1,1-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	2700
	Dichloroethene		100	I lant I Care	Period Mean	<1100		
					Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	2400
		LI A 0200B	µg/kg diy	I lant 2 Cake	Period Mean	<980	300	2400
					Period Max	<980		
	1.1	EDA 0000D		Diamet 4 Octo			FFC	4400
	1,1- Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Picinoroproperie				Period Mean	<550		
					Period Max	<550	1.2.5	
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
					Period Mean	<490		
					Period Max	<490		
	1 1 1	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
	Trichlorobenzen				Period Mean	<1100		
e	е				Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	2400
					Period Mean	<980		
					Period Max	<980		
	1,2,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	5500
	Trichloropropan		רטייט מין	ant i dano	Period Mean	<1100	7.100	3000
	е				Period Max	<1100		
		EPA 8260B	ua/ka day	Plant 2 Cake	10/16/2018		980	4900
		LFA 020UD	μg/kg dry	FIAIIL Z CAKE			300	4900
					Period Mean	<980		
					Period Max	<980		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
101	ED		Location		ND.		
1,2,4-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	270
Trichlorobenzen e				Period Mean	<1100		
6				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
				Period Mean	<980		
				Period Max	<980		
1,2,4-	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	110
Trimethylbenze ne				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
'	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		1100	270
chloropropane				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
				Period Mean	<980		
				Period Max	<980		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
Dibromoethane				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
Dichlorobenzen e	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
			Period Mean	<490			
			Period Max	<490			
1,2-	EPA 8260B	μg/kg dry	dry Plant 1 Cake	10/16/2018		550	110
Dichloroethane				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
Dichloropropane				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	220
Trichlorobenzen e				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	200
				Period Mean	<980		
				Period Max	<980		
1,3,5-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
Trimethylbenze				Period Mean	<550		
ne				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
				Period Mean	<490		
				Period Max	<490		
1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	550	110
Dichlorobenzen				Period Mean	<550		
е				Period Max	<550		

				ients Analysis i				
ory	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
	1,3-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Dichloropropane		100		Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
		LFA 0200D	µg/kg diy	Flant 2 Cake	Period Mean	<490	490	900
					Period Max			
	1.1	ED 4 0000D	0 1	DI 1401		<490	550	4400
	1,4- Dichlorobenzen	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	e				Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
					Period Mean	<490		
					Period Max	<490		
	2,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	2200
	Dichloropropane				Period Mean	<1100		
					Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	2000
			1.99)		Period Mean	<980	1111	
					Period Max	<980		
	2-Chlorotoluene	EDA 9260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
	2-Chiorotoluene	LFA 0200D	µg/kg diy	Flant I Cake	Period Mean		1100	2700
						<1100		
					Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	2400
					Period Mean	<980		
					Period Max	<980		
	2-Hexanone	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		5500	14000
					Period Mean	<5500		
					Period Max	<5500		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	4900	12000
					Period Mean	<4900		
					Period Max	<4900		
	4-Chlorotoluene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	550	2700
			100		Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	2400
		LI / CZOOB	pg/kg dry	Tiant 2 date	Period Mean	<490	400	2400
					Period Max	<490 <490		
	Agralain	EDA OCCOD	uallea des	Diant 1 Calca			22000	EE000
	Acrolein	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		22000	55000
					Period Mean	<22000		
					Period Max	<22000		
		EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018		20000	49000
					Period Mean	<20000		
					Period Max	<20000		
	Acrylonitrile	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		11000	55000
					Period Mean	<11000		
					Period Max	<11000		
		EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018	ND	9800	49000
					Period Mean	<9800		
					Period Max	<9800		
	Benzene	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	1100
			F3.19 413	Cano	Period Mean	<550	500	1100
					Period Max	<550		
		EPA 8260B	ug/kg dny	Plant 2 Cake	10/16/2018		490	980
		LFA 020UD	μg/kg dry	FIAIIL Z CAKE			430	900
					Period Mean	<490		
					Period Max	<490		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
Bromobenzene	EDV 8380B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	270
Promoberizerie	LI A 0200D	pg/kg ury	I Idill I Cake	Period Mean	<1100	1100	210
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
	LFA 0200B	µg/kg diy	Flant 2 Cake	Period Mean	<980	900	240
				Period Mean	<980		
Dramashlaramat	EDA 9260B	ua/ka da	Diant 1 Cake			1100	270
Bromochloromet hane	EPA 8200B	µg/kg dry	Plant 1 Cake	10/16/2018 Period Mean	<1100	1100	270
nano				Period Mean			
	EDA 0000B		Disast 0. Oslas		<1100	000	046
	EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018		980	240
				Period Mean	<980		
				Period Max	<980		
Bromodichlorom	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
ethane				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
Bromoform	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	270
				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	240
				Period Mean	<980		
				Period Max	<980		
Bromomethane E	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	270
				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	240
			Period Mean	<980			
				Period Max	<980		
Carbon	EPA 8260B µg/kg	μg/kg dry	y Plant 1 Cake	10/16/2018	ND	1100	270
tetrachloride	Д 7 0200В дул	pgg,		Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
		, 5 5 ,		Period Mean	<980		
				Period Max	<980		
Chlorobenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	550	110
		. 5 5 ,		Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
		ניש פיייפייו		Period Mean	<490		
				Period Max	<490		
Chloroethane	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	270
212. 33414110		רטייט אין	Cano	Period Mean	<1100	1100	210
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
	LI A 0200B	pg/kg ury	I IAIIL Z GARE	Period Mean	<980	300	240
				Period Max	<980		
Chloroform	EPA 8260B	ua/ka day	Plant 1 Cake	10/16/2018		550	110
Cillorolofffi	EPA 0200B	μg/kg dry	Plant I Cake			550	110
				Period Mean	<550		
	EDA 00005		DI- 1001	Period Max	<550	400	000
	EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
Chloromethane E	e EPA 8260B μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	270	
Chloromethane				Period Mean	<1100		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	2400
				Period Mean	<980		
				Period Max	<980		
cis-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
Dichloroethene		F9/119 41)	i idini i Ganto	Period Mean	<550		
				Period Max	<550		
	EPA 8260B	ua/ka da	Plant 2 Cake	10/16/2018		490	980
	EPA 0200B	µg/kg dry	Plant 2 Cake	Period Mean	<490	490	960
	504 0000		Di 110 i	Period Max	<490		1100
cis-1,3-	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	1100
Dichloropropen	3			Period Mean	<550		
				Period Max	<550		
	EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
				Period Mean	<490		
				Period Max	<490		
Dibromochloror	n EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	550	1100
ethane				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
	2.7.02002	pg/ng dry	I Idili 2 dano	Period Mean	<490	100	
				Period Max	<490		
Dibromomethar	EDA 9260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
e	1 EFA 0200B	µg/kg dry	Flatit i Cake			550	1100
				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
				Period Max	<490		
Dichlorodifluoro	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	2700
methane				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	2400
				Period Mean	<980		
				Period Max	<980		
Ethylbenzene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
		13.3		Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Parka ary	I MIL Z OAKS	Period Mean	<490	700	300
				Period Max	<490		
Llovaphlanakov	EDA OCCOD	المالام ط	Diont 1 Calco			1100	0700
Hexachlorobuta diene	EPA 8200B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
GIOTIE				Period Mean	<1100		
	EDA 2222		B	Period Max	<1100	0.55	
	EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018		980	2400
				Period Mean	<980		
				Period Max	<980		
Isobutyl alcohol	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		27000	5500
				Period Mean	<27000		
				Period Max	<27000		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	24000	4900
				Period Mean	<24000		
				Period Max	<24000		
Isopropylhenze	n EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
Isopropylbenzen E e		F-5.1.5 41 J	lant i dans	Period Mean	<550	300	. 100
				Period Max	<550		
	1	1				400	
	EDV 8380B	ua/ka day	Plant 2 Cake	10/16/2010	ND	Ziun	ועעטן
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018 Period Mean	ND <490	490	980

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
m,p-Xylenes	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1100	220
				Period Mean	<1100		
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	200
				Period Mean	<980		
				Period Max	<980		
Methyl ethyl	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	5500	110
ketone				Period Mean	<5500		
				Period Max	<5500		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	4900	980
				Period Mean	<4900		
				Period Max	<4900		
Methylene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018	ND	5500	110
Chloride				Period Mean	<5500		
				Period Max	<5500		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	4900	980
				Period Mean	<4900		
				Period Max	<4900		
MIBK	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		2200	550
		1-33)		Period Mean	<2200		
				Period Max	<2200		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		2000	490
	217102002	µg/itg di y	I lant 2 dans	Period Mean	<2000	2000	100
				Period Max	<2000		
Naphthalene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	270
	LI A 0200B	µg/kg di y	I lant I dake	Period Mean	<1100	1100	270
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
	Elin (ozooz	µg/kg di y	riant 2 dans	Period Mean	<980	300	240
				Period Max	<980		
n-Butylbenzene	EPΔ 8260B μα/kα	μg/kg dry	Plant 1 Cake	10/16/2018		1100	270
II-ButyIberizerie	LI A 0200B	µg/kg di y	I lant I dake	Period Mean	<1100	1100	210
				Period Max	<1100		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	240
	LFA 0200B	µg/kg diy	Plant 2 Cake	Period Mean	<980	900	240
				Period Max	<980 <980		
n	EPA 8260B	ug/kg dny	Plant 1 Cake	10/16/2018		550	110
n- Propylbenzene	LI 7 0200D	μg/kg dry	I Iailt I Cake	Period Mean	<550	330	110
				Period Mean	<550 <550		
	EPA 8260B	ua/ka da	Plant 2 Cake	10/16/2018		490	980
	EFA 0200B	μg/kg dry	riant 2 Cake	Period Mean	ND <490	490	980
				Period Mean	<490 <490		
o Vylono	EDA 9360B	ua/ka d	Diant 1 Calca			EEO	110
o-Xylene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018 Period Mean	ND <550	550	110
	EDA 0000D	110/len di	Diamt 2 Calaa	Period Max	<550	400	000
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
				Period Mean	<490		
	EDA 00000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DI 1101	Period Max	<490	550	0=-
Sec-	EPA 8260B	µg/kg dry	Plant 1 Cake	10/16/2018		550	270
Butylbenzene				Period Mean	<550		
				Period Max	<550		
	EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	240
				Period Mean	<490		
				Period Max	<490		
Styrene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	110
				Period Mean	<550		
	1			Period Max	<550		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
	tert-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
	Butylbenzene		F9/1.9 4.7	i iaini i Gaine	Period Mean	<1100	1.100	
					Period Max	<1100		
		EDA OOCOD	//	Diamt 2 Calca			980	2400
		EPA 8260B	µg/kg dry	Plant 2 Cake	10/16/2018		980	2400
					Period Mean	<980		
					Period Max	<980		
	Tetrachloroethe	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	ne				Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
	Toluene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
			F-3-1-9 41.J	lance of Cana	Period Mean	<550		1.00
					Period Max	<550 <550		
		EPA 8260B	ua/ka dar	Plant 2 Cake	10/16/2018		490	980
		LFA 0200B	μg/kg dry	rialit ∠ Cake			490	900
					Period Mean	<490		
					Period Max	<490	 	
	trans-1,2-	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Dichloroethene	Dichloroethene	ichloroethene		Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
		EPA 8260B	A 8260B µg/kg dry	Plant 1 Cake	10/16/2018		550	1100
	Dichloropropene		µg/g u.)	i iaini i Gaine	Period Mean	<550		1.00
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		490	980
		EPA 6200B	µg/kg dry	Flant 2 Cake	Period Mean		490	960
						<490		
					Period Max	<490		
	Trichloroethene	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		550	1100
					Period Mean	<550		
					Period Max	<550		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	490	980
					Period Mean	<490		
					Period Max	<490		
	Trichlorofluorom	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
	ethane		15.5		Period Mean	<1100		
					Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018		980	2400
		LI 7 0200D	µg/kg uly	I Iaiil Z Cake	Period Mean	<980	300	2400
	\(\alpha\)	EDA 2222		DI	Period Max	<980	4100	0705
	Vinyl chloride	EPA 8260B	μg/kg dry	Plant 1 Cake	10/16/2018		1100	2700
					Period Mean	<1100		
					Period Max	<1100		
		EPA 8260B	μg/kg dry	Plant 2 Cake	10/16/2018	ND	980	2400
					Period Mean	<980		
					Period Max	<980		
CLP - Volatile	1,1,1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0027	0.050
rganic	Tetrachloroetha				Period Mean	<0.0027		
ompounds	ne				Period Max	<0.0027		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0027	0.050
		LFA 0200D	mg/L	FIAIIL Z CAKE			0.0027	0.000
					Period Mean	<0.0027		
					Period Max	<0.0027		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
1,1,1-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0030	0.02
Trichloroethane				Period Mean	<0.0030		
				Period Max	<0.0030		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0030	0.0
				Period Mean	<0.0030		
				Period Max	<0.0030		
1,1,2,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0024	0.0
Tetrachloroetha				Period Mean	<0.0024		
ne				Period Max	<0.0024		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0024	0.0
				Period Mean	<0.0024		
				Period Max	<0.0024		
1,1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0030	0.0
Trichloroethane	217102002	g/ _	r lanc r dans	Period Mean	<0.0030	0.0000	0.0
				Period Max	<0.0030		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0030	0.02
	LI A 0200D	mg/L	I Iaill 2 Cake	Period Mean	<0.0030	0.0030	0.02
				Period Max	<0.0030		
1.1	EDA 9000D	m a /I	Dignt 4 Calca			0.0007	0.00
1,1- Dichloroethane	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0027	0.02
Pictilolocularie				Period Mean	<0.0027		
				Period Max	<0.0027		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0027	0.02
				Period Mean	<0.0027		
				Period Max	<0.0027		
1,1-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0042	0.0
Dichloroethene				Period Mean	<0.0042		
				Period Max	<0.0042		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0042	0.0
			Period Mean	<0.0042			
				Period Max	<0.0042		
1,1-	EPA 8260B mg/L	mg/L	mg/L Plant 1 Cake	10/16/2018	ND	0.0028	0.02
Dichloropropene			g,	Period Mean	<0.0028		
				Period Max	<0.0028		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0028	0.02
				Period Mean	<0.0028		
				Period Max	<0.0028		
1,2,3-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0030	0.0
Trichlorobenzen			Cano	Period Mean	<0.0030	0.000	0.0
е				Period Max	<0.0030		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0030	0.0
	LFA 0200D	mg/L	Flatit 2 Cake	Period Mean	<0.0030	0.0030	0.03
1 2 2	EDA COCOD	m a /1	Dignt 4 O-1	Period Max	<0.0030	0.0040	0.1
1,2,3- Trichloropropan	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.10
e				Period Mean	<0.0040		
				Period Max	<0.0040		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0040	0.10
				Period Mean	<0.0040		
				Period Max	<0.0040		
1,2,4-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0048	0.0
Trichlorobenzen				Period Mean	<0.0048		
е				Period Max	<0.0048		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0048	0.0
				Period Mean	<0.0048		
				Period Max	<0.0048		
1,2,4-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0023	0.02
Trimethylbenze] 3/=		Period Mean	<0.0023	11.020	0.07
_				. Shou widan	<0.0023		

nmary of gory	Priority Pollu	tants and Ti	race Constit	tuents Analysis i Sample		2018 - Sep Result	otember - Oct	tober RL
9,			J	Location				
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0023	0.020
					Period Mean	<0.0023		
					Period Max	<0.0023		
	1,2-Dibromo-3-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0097	0.050
	chloropropane				Period Mean	<0.0097		
					Period Max	<0.0097		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0097	0.050
					Period Mean	<0.0097		
					Period Max	<0.0097		
	1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.020
	Dibromoethane	2.7.02002	9, =	i lant i Gano	Period Mean	<0.0040	0.0010	0.020
					Period Max	<0.0040		
		EPA 8260B	m a /l	Plant 2 Cake	10/16/2018		0.0040	0.020
		EPA 8200B	mg/L	Plant 2 Cake			0.0040	0.020
					Period Mean	<0.0040		
					Period Max	<0.0040		
	1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0032	0.020
	Dichlorobenzen				Period Mean	<0.0032		
	е				Period Max	<0.0032		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0032	0.020
					Period Mean	<0.0032		
					Period Max	<0.0032		
	1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0028	0.020
	Dichloroethane				Period Mean	<0.0028		
					Period Max	<0.0028		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0028	0.020
		LI / CZOOD	mg/L	Tiant 2 dans	Period Mean	<0.0028	0.0020	0.020
					Period Max	<0.0028		
	1,2-	EDA 0000D		Dlant 1 Calca			0.0025	0.000
	ı,∠- Dichloropropane	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0035	0.020
	Dicilioroproparie				Period Mean	<0.0035		
					Period Max	<0.0035		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0035	0.020
					Period Mean	<0.0035		
					Period Max	<0.0035		
	1,3,5-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0050	0.020
	Trichlorobenzen				Period Mean	<0.0050		
	е				Period Max	<0.0050		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0050	0.020
					Period Mean	<0.0050		
					Period Max	<0.0050		
	1,3,5-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0025	0.020
	Trimethylbenze	/ . 02000	y, =	I IGHT TOURG	Period Mean	<0.0025	0.0020	0.020
	ne				Period Max	<0.0025		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0025	0.020
		LFA 0200D	IIIg/L	Fiant 2 Cake	Period Mean	<0.0025	0.0023	0.020
	4.0	EDA 00005		Di4 O I	Period Max	<0.0025	0.0005	0.000
	1,3- Dichlorobenzen	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0035	0.020
	e				Period Mean	<0.0035		
					Period Max	<0.0035		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0035	0.020
					Period Mean	<0.0035		
					Period Max	<0.0035		
	1,3-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0032	0.020
	Dichloropropane				Period Mean	<0.0032		
					Period Max	<0.0032		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0032	0.020
					Period Mean	<0.0032		
					Period Max	<0.0032		

	Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
Dichlorobenzen Period Max				•				
Period Max		EPA 8260B	mg/L	Plant 1 Cake			0.0037	0.0
EPA 8260B								
Period Maam	е				Period Max	<0.0037		
Period Max 0.0037 0.0034 0.0038		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0037	0.0
Part Cake Dichloropropane Part Cake Dichloropropane Part Cake Part					Period Mean	<0.0037		
Period Max					Period Max	<0.0037		
Period Max	2,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0034	0.0
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.0034	Dichloropropane				Period Mean	<0.0034		
Period Mean Co.0034 Period Mean Co.0028 Period Mean Co.0029 Period Mean Co.0028 Peri					Period Max	<0.0034		
Period Mean Co.0034 Period Mean Co.0028 Period Mean Co.0029 Period Mean Co.0028 Peri		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0034	0.
Part Cake Part Cake Part Cake Period Mean Came Came Period Mean Came					Period Mean	<0.0034		
Period Mean					Period Max	<0.0034		
Period Mean	2-Chlorotoluene	EPA 8260B	ma/L	Plant 1 Cake	10/16/2018	ND	0.0028	0.
Period Max			g. =					
Part								
Period Mean		FPA 8260B	ma/l	Plant 2 Cake			0.0028	0.
Period Max 0.0028 0.0029			mg/L	. Idili Z Gane			0.0020	0.
A-Chlorotoluene EPA 8260B mg/L Plant 1 Cake 10/16/2018 ND 0.0029 Period Mean <0.0029								
Period Mean <0.0029	4 Chlorotoluona	EDA QOEND	ma/l	Plant 1 Caka			0.0020	0.
Period Max Co.0029 Co.0029 Period Max Co.0029 Period Mean Co.0029 Period Max Co.0029 Co.0029 Period Max Co.0029 Co.0029 Period Max Co.0029 Co.0029 Co.0029 Period Max Co.0029 Co.0027 Period Max Co.0027 Period Max Co.0027 Period Mean Co.002	4-CHOIOIOIUENE	LFA 0200B	IIIg/L	riani i Cake			0.0029	0.
EPA 8260B mg/L Plant 2 Cake Period Mean 0,0029 0,0027 0,00027 0,0027 0,0027 0,0027 0,0027 0,0027 0,0027 0,00027 0,0027 0,0027 0,0027 0,0027 0,0027 0,0027 0,00027 0,0027 0,0027 0,0027 0,0027 0,0027 0,0027 0,00027 0,0								
Period Mean \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		EDA GOCOD	ma //	Diant 2 Cala			0.0000	0
Acetone		EPA 8260B	mg/L	Plant 2 Cake			0.0029	0.
Acetone								
Period Mean 1.2 Period Max 1.2 Period Max 1.2 Period Max 1.2 Period Max 1.2 Period Mean 1.1 Period Max 1.1 Period Max 1.1 Period Max 1.1 Period Max 1.1 Period Mean N.1 N.1 Period Mean N.1 N.1 Period Mean N.1 N.1 N.1 N.1 N.1 N.1 N.1 Period Mean N.1								
Period Max 1.2		EPA 8260B	mg/L	Plant 1 Cake			0.10	0.
EPA 8260B mg/L Plant 2 Cake 10/16/2018 1.1 0.10								
Period Mean 1.1 Period Max 1.1 Period Mean 4.0.040 Period Max 4.0.012 Period Max 4.0.0028 Period Max 4.0.0027 Period Max 4.0.								
Period Max			mg/L	Plant 2 Cake	10/16/2018	1.1	0.10	0.
Acrolein					Period Mean	1.1		
Period Mean <0.040 Period Max <0.040 Period Max <0.040 Period Max <0.040 Period Max <0.040 Period Mean <0.040 Period Mean <0.040 Period Mean <0.040 Period Mean <0.040 Period Mean <0.040 Period Mean <0.050 Period Mean <0.060 Period Mean					Period Max	1.1		
Period Max <0.040	Acrolein	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.040	0.
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.040 Period Mean <0.040 Period Max <0.040 Period Max <0.040 Period Max <0.040 Period Mean <0.040 Period Mean <0.040 Period Mean <0.012 Period Mean <0.0028 Period Mean <0.0027 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean				g/L Plant 2 Cake	Period Mean	<0.040		
Period Mean <0.040 Period Max <0.040 Period Max <0.040 Period Max <0.040 Period Max <0.040					Period Max	<0.040		
Period Max Co.040 Co.040		EPA 8260B	mg/L		10/16/2018	ND	0.040	0.
Acrylonitrile					Period Mean	<0.040		
Period Mean <0.012 Period Max <0.012 Period Max <0.012 Period Max <0.012 Period Max <0.012 Period Mean <0.012 Period Mean <0.012 Period Mean <0.012 Period Mean <0.012 Period Mean <0.012 Period Mean <0.0012 Period Mean <0.0028 Period Mean <0.0027 Period M					Period Max	<0.040		
Period Max Co.012 EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.012 Period Mean Co.012 Period Max Co.012 Period Max Co.012 Period Max Co.012 Co.0028 Period Mean Co.0028 Period Max Co.0028 Period Max Co.0028 Co.0028 Period Mean Co.0027 Period	Acrylonitrile	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.012	0.
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.012					Period Mean	<0.012		
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.012					Period Max	<0.012		
Period Mean <0.012 Period Max <0.0028 Period Mean <0.0028 Period Max <0.0028 Period Max <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Max <0.0028 Period Max <0.0028 Period Max <0.0028 Period Mean <0.0028 Period Mean <0.0027 Period Max <0.0027 Period Mean <0.0027 Period Mea		EPA 8260B	mg/L	Plant 2 Cake			0.012	0.
Period Max \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
Benzene EPA 8260B mg/L Plant 1 Cake 10/16/2018 ND 0.0028 Period Mean <0.0028								
Period Mean <0.0028 Period Max <0.0028 Period Max <0.0028 Period Max <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Mean <0.0028 Period Max <0.0028 Period Max <0.0028 Period Max <0.0027 Period Mean <0.0027 Period Max <0.0027 Period Mean <0.0027	Benzene	EPA 8260B	ma/L	Plant 1 Cake			0.0028	0.
Period Max <0.0028	_ 55.10			i Gano			3.0020	- 10.
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.0028 Period Mean <0.0028								-
Period Mean <0.0028 Period Max <0.0028 Period Max <0.0028 Period Max <0.0028 Period Max <0.0028 Period Mean <0.0027 Period Mean <0.0027 Period Max <0.0027 Period Max <0.0027 Period Mean <0.0027		FPA 8260B	ma/l	Plant 2 Cake			0.0028	0.
Period Max <0.0028		LI A 0200D	mg/L	I Idili Z Odke			0.0020	0.
Bromobenzene EPA 8260B mg/L Plant 1 Cake 10/16/2018 ND 0.0027 Period Mean <0.0027								-
Period Mean <0.0027	Dromohon	EDA GOGOD	ma/l	Plant 1 Calca			0.0027	
Period Max <0.0027	DIOIIIODENZENĖ	EPA 8200B	mg/L	Plant I Cake			0.0027	0.
EPA 8260B mg/L Plant 2 Cake 10/16/2018 ND 0.0027 Period Mean <0.0027								
Period Mean <0.0027 Period Max <0.0027 Period Max <0.0027 Period Max Period Max <0.0027 Period Max <0.0040 Period Max <0.0040 Period Max <0.0040 Period Max <0.0027 Period Max <0.002		ED 4		DI (2.2.)			0.555=	
Period Max <0.0027		EPA 8260B	mg/L	Plant 2 Cake			0.0027	0.
Bromochloromet EPA 8260B mg/L Plant 1 Cake 10/16/2018 ND 0.0040								
hane Period Mean <0 0040		EPA 8260B	mg/L	Plant 1 Cake			0.0040	0.
I Gliod Medil 10.0040	hane				Period Mean	<0.0040		

nary or ory	Priority Pollu Parameter	tants and Ti	race Constit	tuents Analysis i Sample		2018 - Sep Result	otember - Oct	tober RL
,			00	Location				
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
	Bromodichlorom	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0030	0.020
	ethane				Period Mean	<0.0030		
					Period Max	<0.0030		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0030	0.020
		LFA 0200D	IIIg/L	Flant 2 Cake	Period Mean	<0.0030	0.0030	0.020
	_				Period Max	<0.0030		
	Bromoform	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
	Bromomethane	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0042	0.050
					Period Mean	<0.0042		
					Period Max	<0.0042		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0042	0.050
		LI / COLOGE	9/ =	i lant 2 date	Period Mean	<0.0042	0.0012	0.000
					Period Max	<0.0042		
	Carbon	EDA 0000D		Dlant 1 Calca			0.0000	0.050
	tetrachloride	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0028	0.050
	tetracilionue				Period Mean	<0.0028		
					Period Max	<0.0028		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0028	0.050
					Period Mean	<0.0028		
					Period Max	<0.0028		
	Chlorobenzene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0036	0.020
					Period Mean	<0.0036		
					Period Max	<0.0036		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0036	0.020
			9, =	i idili 2 Gaille	Period Mean	<0.0036	0.0000	0.020
					Period Max	<0.0036		
	Chloroethane	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.050
	Chloroethane	EFA 6200B	IIIg/L	Flant I Cake			0.0040	0.030
						<0.0040		
					Period Max	<0.0040		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
	Chloroform	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0033	0.020
					Period Mean	<0.0033		
					Period Max	<0.0033		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0033	0.020
					Period Mean	<0.0033		
					Period Max	<0.0033		
	Chloromethane	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.050
	35. 55. 10110			ant i oano	Period Mean	<0.0040	5.0010	3.555
					Period Max	<0.0040		-
		EPA 8260B	mc/l	Plant 2 Cake	10/16/2018		0.0040	0.050
		LFA 0200B	mg/L	riant∠ Cake			0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
	cis-1,2-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0032	0.020
	Dichloroethene				Period Mean	<0.0032		
					Period Max	<0.0032		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0032	0.020
					Period Mean	<0.0032		
	The second secon				Period Max	<0.0032		

Parameter	Method	Units	Sample	n Biosolids for Sample Date	Result	MDL	RL
			Location	p.o Sato			
·	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0022	0.02
Dichloropropene				Period Mean	<0.0022		
				Period Max	<0.0022		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0022	0.02
				Period Mean	<0.0022		
				Period Max	<0.0022		
Dibromochlorom	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.02
ethane		g/ =		Period Mean	<0.0040		
				Period Max	<0.0040		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0040	0.02
	LI A 0200B	IIIg/L	Tiant 2 Gaic	Period Mean	<0.0040	0.0040	0.02
				Period Max	<0.0040		
Dibromomethan	EDA 9260B	ma/l	Plant 1 Cake	10/16/2018		0.0036	0.02
e	EPA 0200B	mg/L	Plant I Cake			0.0036	0.02
				Period Mean	<0.0036		
	EDA 00005		Diamet 0.0.1	Period Max	<0.0036	0.0000	0.00
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0036	0.02
				Period Mean	<0.0036		
				Period Max	<0.0036		
Dichlorodifluoro	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0026	0.0
methane				Period Mean	<0.0026		
				Period Max	<0.0026		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0026	0.0
				Period Mean	<0.0026		
				Period Max	<0.0026		
Ethylbenzene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0025	0.0
				Period Mean	<0.0025		
				Period Max	<0.0025		
E	EPA 8260B mg	mg/L	Plant 2 Cake	10/16/2018	ND	0.0025	0.0
				Period Mean	<0.0025		
				Period Max	<0.0025		
Hexachlorobuta	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0038	0.05
diene		3. –		Period Mean	<0.0038		5.0
			Plant 2 Cake	Period Max	<0.0038		
	EPA 8260B	mg/L		10/16/2018		0.0038	0.05
	L1 7. 0200D	ing/ E		Period Mean	<0.0038	0.0000	0.00
				Period Max	<0.0038		
Isobutyl alcohol	EDV 8380B	mg/L	Plant 1 Cake	10/16/2018		0.13	0.2
130Dutyi alCOHOI	LFA 0200D	mg/L	Fiant I Cake			0.13	0.23
				Period Mean	<0.13		
	EDA 2222	1 "	DI 105	Period Max	<0.13	0.10	
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.13	0.2
				Period Mean	<0.13		
				Period Max	<0.13		
Isopropylbenzen	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0025	0.02
е				Period Mean	<0.0025		
				Period Max	<0.0025		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0025	0.02
				Period Mean	<0.0025		
				Period Max	<0.0025		
m,p-Xylenes E	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0060	0.02
				Period Mean	<0.0060		
				Period Max	<0.0060		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0060	0.02
			2 04.0	Period Mean	<0.0060	3.3000	0.07
				Period Max	<0.0060		
Methyl ethyl	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.047	0.10
ketone	LI A 0200D	mg/L	i iaiit i Cake	Period Mean	<0.047	0.047	0.10
					- S 1 1 1 1 1		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.047	0.10
				Period Mean	<0.047		
				Period Max	<0.047		
Methylene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	0.014 DNQ	0.0095	0.05
Chloride				Period Mean	0.014 DNQ		
				Period Max	0.014 DNQ		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	0.018 DNQ	0.0095	0.05
				Period Mean	0.018 DNQ		
				Period Max	0.018 DNQ		
MIBK	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.035	0.10
				Period Mean	<0.035		
				Period Max	<0.035		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.035	0.10
		g, _		Period Mean	<0.035		
				Period Max	<0.035		
Naphthalene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0041	0.05
. tapitulaiono	/. 02000	9/ _	i ant i dake	Period Mean	<0.0041	0.5071	3.00
				Period Max	<0.0041		-
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0041	0.05
	LFA 0200D	IIIg/L	Flant 2 Cake	Period Mean	<0.0041	0.0041	0.05
Destable and a	EDA 0000D		Disast 4 Oslas	Period Max	<0.0041	0.0007	0.05
n-Butylbenzene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0037	0.05
				Period Mean	<0.0037		
				Period Max	<0.0037		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0037	0.05
				Period Mean	<0.0037		
				Period Max	<0.0037		
n-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0027	0.02
Propylbenzene				Period Mean	<0.0027		
				Period Max	<0.0027		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0027	0.02
				Period Mean	<0.0027		
				Period Max	<0.0027		
o-Xylene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0030	0.02
				Period Mean	<0.0030		
				Period Max	<0.0030		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0030	0.02
				Period Mean	<0.0030		
				Period Max	<0.0030		
sec-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0025	0.05
Butylbenzene				Period Mean	<0.0025		
				Period Max	<0.0025		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0025	0.05
			, a 2 Gang	Period Mean	<0.0025		3.00
				Period Max	<0.0025		_
Styrene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0020	0.02
Glyrene	LI 7 0200D	ilig/L	i iaiit i Cake	Period Mean	<0.0020	0.0020	0.02
				Period Max	<0.0020		
	EDA 9000D	m a/l	Dlant 2 Calca			0.0000	0.00
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0020	0.02
				Period Mean	<0.0020		
	 			Period Max	<0.0020		
tert-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0022	0.05
Butylbenzene				Period Mean	<0.0022		
				Period Max	<0.0022		
	EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0022	0.05
				Period Mean	<0.0022		
				Period Max	<0.0022		

ategory	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
	Tetrachloroethe	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0032	0.020
	ne				Period Mean	<0.0032		
					Period Max	<0.0032		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0032	0.020
					Period Mean	<0.0032		
					Period Max	<0.0032		
	Toluene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0036	0.020
	roladilo	2.7.02002	g/ _	Tiant Toate	Period Mean	<0.0036	0.0000	0.020
					Period Max	<0.0036		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0036	0.020
		LI A 0200B	mg/L	I latt 2 dake	Period Mean	<0.0036	0.0000	0.020
					Period Max	<0.0036		
	trans-1,2-	EPA 8260B	ma/l	Plant 1 Cake	10/16/2018		0.0030	0.020
	Dichloroethene	EPA 8200B	mg/L	Plant I Cake			0.0030	0.020
	Dictiloroethene				Period Mean	<0.0030		
		ED 4 0000D		DI (00)	Period Max	<0.0030	2 2 2 2 2	2.222
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0030	0.020
					Period Mean	<0.0030		
					Period Max	<0.0030		
	trans-1,3-	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0032	0.020
	Dichloropropene				Period Mean	<0.0032		
					Period Max	<0.0032		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0032	0.020
					Period Mean	<0.0032		
					Period Max	<0.0032		
	Trichloroethene	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018	ND	0.0026	0.020
					Period Mean	<0.0026		
					Period Max	<0.0026		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018	ND	0.0026	0.020
			J		Period Mean	<0.0026		
					Period Max	<0.0026		
	Trichlorofluorom	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0034	0.050
	ethane	LI / CZOOB	mg/L	Tidile i Odiko	Period Mean	<0.0034	0.0004	0.000
					Period Max	<0.0034		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0034	0.050
		EFA 0200B	IIIg/L	Flatil 2 Cake		<0.0034	0.0034	0.030
	Vica de la la sida	EDA 0000D	/1	Diamet 4 Oalea	Period Max	<0.0034	0.0040	0.050
	Vinyl chloride	EPA 8260B	mg/L	Plant 1 Cake	10/16/2018		0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
		EPA 8260B	mg/L	Plant 2 Cake	10/16/2018		0.0040	0.050
					Period Mean	<0.0040		
					Period Max	<0.0040		
mi-Volatile	1,2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	36000
rganic	Trichlorobenzen				Period Mean	<15000		
ompounds	е				Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
					Period Mean	<13000		
					Period Max	<13000		
	1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	7700	36000
	Dichlorobenzen				Period Mean	<7700		
	е				Period Max	<7700		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	32000
			1.99 4.7		Period Mean	<6900	1110	
					Period Max	<6900		
	1,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		15000	36000
	Dichlorobenzen	LI A 02/00	µg/kg ury	I lailt I Cake	Period Mean	<15000	13000	30000
			1		II CHOU MEALL	- 10000		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
				Period Mean	<13000		
				Period Max	<13000		
1,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	36000
Dichlorobenzen				Period Mean	<15000		
е				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
				Period Mean	<13000		
				Period Max	<13000		
2,4,5-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	29000	55000
Trichlorophenol				Period Mean	<29000		
				Period Max	<29000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		26000	49000
			i iaini 2 Gaine	Period Mean	<26000		
				Period Max	<26000		
2,4,6-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		17000	60000
Trichlorophenol	LI A 02/00	µg/kg uly	I lailt I Cake	Period Mean	<17000	17000	00000
siorophonor				Period Mean Period Max	<17000		
	EDA 00700	/len alme	Dlamt 2 Calca			10000	F4000
	EPA 8270C	µg/kg dry	Plant 2 Cake	10/16/2018		16000	54000
				Period Mean	<16000		
	ED4 00700	, ,	DI 440 I	Period Max	<16000	7000	
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7300	36000
Dichlorophenol				Period Mean	<7300		
				Period Max	<7300		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6600	32000
				Period Mean	<6600		
				Period Max	<6600		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		14000	36000
Dimethylphenol				Period Mean	<14000		
				Period Max	<14000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
				Period Mean	<13000		
				Period Max	<13000		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	110000	22000
Dinitrophenol				Period Mean	<110000		
				Period Max	<110000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		98000	20000
				Period Mean	<98000		
				Period Max	<98000		
2,4-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8700	36000
Dinitrotoluene		ניב פיייפייו	Cano	Period Mean	<8700		33330
				Period Max	<8700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		7800	32000
	, . 02, 00	reging dry	I Idill 2 Odilo	Period Mean	<7800	. 300	02000
				Period Max	<7800		
2,6-	EPA 8270C	ua/ka day	Plant 1 Cake	10/16/2018		10000	36000
2,6- Dinitrotoluene	LFA 02/00	μg/kg dry	riant i Cake	Period Mean	<10000	10000	30000
5 otoldono							
	EDA 00700		Dia t O O I	Period Max	<10000	0000	00001
	EPA 8270C	µg/kg dry	Plant 2 Cake	10/16/2018		9300	32000
				Period Mean	<9300		
				Period Max	<9300		
2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7300	36000
Chloronaphthale				Period Mean	<7300		
ne				Period Max	<7300		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6600	32000
				Period Mean	<6600		
				Period Max	<6600		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
2-Chlorophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	7700	3600
2-Chlorophenor	LFA 0270C	µg/kg diy	Flant I Cake	Period Mean	<7700	7700	3000
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	320
	LI A 02700	µg/kg diy	I latit 2 Care	Period Mean	<6900	0300	320
				Period Max	<6900		
2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	360
Methylnaphthale		µg/kg dry	Flam I Cake	Period Mean	<7700	7700	3000
ne				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	320
	LI A 02700	µg/kg diy	I latit 2 Care	Period Mean	<6900	0300	320
				Period Max	<6900		
2-Methylphenol	EDA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8700	360
2-ivietriyipilerioi	LFA 0270C	µg/kg diy	Flant I Cake	Period Mean	<8700	8700	300
				Period Max	<8700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		7800	320
	LI A 02/00	µg/kg ury	I Idill 2 Cake	Period Mean	<7800	7 000	320
				Period Max	<7800		
2-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		19000	360
Z-INIU DAI IIIIII IE	LFA 02/00	µg/kg dry	Fiant i Cake	Period Mean	<19000	19000	3000
				Period Max	<19000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		17000	320
	EFA 6270C	µg/kg dry	Flatil 2 Cake	Period Mean	<17000	17000	320
				Period Max	<17000		
2-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		15000	360
2-Millophenoi	LFA 0270C	µg/kg diy	Flant I Cake	Period Mean	<15000	13000	300
				Period Max	<15000		
	EPA 8270C μg/kg	μg/kg dry	Plant 2 Cake	10/16/2018		13000	320
	μς/	µg/kg diy	Flatit 2 Care	Period Mean	<13000	13000	320
				Period Max	<13000		
3,3-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		16000	910
Dichlorobenzidi	LI A 02700	µg/kg diy	I latt I Cake	Period Mean	<16000	10000	310
ne				Period Max	<16000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		15000	810
	LI A 02700	µg/kg diy	Plant 2 Cake	Period Mean	<15000	10000	010
				Period Max	<15000		
3-Nitroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		15000	360
- Tanadaminio	02.100	mg/ ing ury	i idili i Odilo	Period Mean	<15000	.0000	300
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		13000	320
		רים יוים מוין	. ISIN 2 Outo	Period Mean	<13000		020
				Period Max	<13000		
4,6-Dinitro-2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		15000	460
methylphenol		ניש פייי, פיין	i Gano	Period Mean	<15000		1.00
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		13000	410
		ניב פיייפייו	i i i i i i i i i i i i i i i i i i i	Period Mean	<13000		, , , ,
				Period Max	<13000		
4-Bromophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8200	3600
phenyl ether		רים יוים מוין	ant i outo	Period Mean	<8200	3200	330
				Period Max	<8200		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		7300	320
	02.100	mg/ ing ury	I Idili 2 Odiko	Period Mean	<7300	, 000	320
				Period Max	<7300		
4-Chloro-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		22000	4400
methylphenol	02.100	mg/ ing ury	i idili i Odilo	Period Mean	<22000	22000	770
7 7				Period Max	<22000		

mary of	Priority Pollu Parameter	tants and Ti Method	race Constitu Units	ients Analysis i Sample	n Biosolids for Sample Date	2018 - Sep Result	otember - Oc MDL	tober RL
				Location				
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	20000	39000
					Period Mean	<20000		
					Period Max	<20000		
	4-Chloroaniline	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	16000	110000
					Period Mean	<16000		
					Period Max	<16000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		15000	98000
			1.99)		Period Mean	<15000		
					Period Max	<15000		
	4-Chlorophenyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		22000	120000
	phenyl ether	LFA 02/0C	µg/kg dry	Flant I Cake	Period Mean	<22000	22000	120000
	priority curor							
		504 00700		DI (00)	Period Max	<22000	2222	110000
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		20000	110000
					Period Mean	<20000		
					Period Max	<20000		
	4-Methylphenol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	36000
					Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
					Period Mean	<13000		
					Period Max	<13000		
	4-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Cake	10/16/2018		15000	91000
	- Will Carminic	LI 7(02/00	pg/kg dry	Tiant Toute	Period Mean	<15000	10000	01000
					Period Max	<15000		
		EDA 00700		Disast 0. Oslas			40000	04000
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		13000	81000
					Period Mean	<13000		
					Period Max	<13000		
	4-Nitrophenol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		55000	320000
					Period Mean	<55000		
					Period Max	<55000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	49000	280000
					Period Mean	<49000		
					Period Max	<49000		
	Acenaphthene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		19000	38000
	· ·		100		Period Mean	<19000		
					Period Max	<19000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		17000	34000
		LI A 02/00	µg/kg diy	I lant 2 Cake	Period Mean	<17000	17000	34000
					Period Max	<17000		
	A same mileties de	EDA 00700		Diamet 4 Octo			7700	20000
	Acenaphthylene	EPA 82/00	μg/kg dry	Plant 1 Cake	10/16/2018		7700	36000
					Period Mean	<7700		
					Period Max	<7700		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	32000
					Period Mean	<6900		
					Period Max	<6900		
	Aniline	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	110000
					Period Mean	<15000		
					Period Max	<15000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	14000	98000
					Period Mean	<14000		
					Period Max	<14000		
	Anthracene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8700	36000
	, and addite	_1 / (02/00	pg/ng diy	I MIL I CARE	Period Mean	<8700	0700	30000
					Period Max	<8700 <8700		
		EDA 00700	110/less al	Diomit 0.0-1			7000	22000
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		7800	32000
					Period Mean	<7800		
					Period Max	<7800		

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
Azobenzene/1,2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	3600
Diphenylhydrazi				Period Mean	<7700		
ne				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	3200
				Period Mean	<6900		
				Period Max	<6900		
Benz(a)anthrac	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	7700	3600
ene				Period Mean	<7700		
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	3200
		100,		Period Mean	<6900		
				Period Max	<6900		
Benzidine	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		19000	2300
Bonzianio	217102700	µg/ng ary	riant round	Period Mean	<19000	10000	2000
				Period Max	<19000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		17000	2100
	LI A 02/00	µg/kg ury	I IAIIL Z CARE	Period Mean	<17000	17000	2100
				Period Mean Period Max	<17000		
D-1177/2\111/1177	EDA 00700	//cm	Diant 1 Calca			7200	2000
Benzo(a)pyrene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7300	3600
				Period Mean	<7300		
				Period Max	<7300		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6600	3200
				Period Mean	<6600		
				Period Max	<6600		
Benzo(b)fluoran	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	360
thene				Period Mean	<7700		
			Diant 2 Calca	Period Max	<7700		
	EPA 8270C	C μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	3200
				Period Mean	<6900		
				Period Max	<6900		
Benzo(g,h,i)pery	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	12000	3600
lene				Period Mean	<12000		
				Period Max	<12000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		11000	3200
		100,	in and 2 dates	Period Mean	<11000		
				Period Max	<11000		
Benzo(k)fluorant	FPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	3600
hene		רשייש אין	a.n. i oano	Period Mean	<7700		3000
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	3200
	LFA 02/00	µg/kg ury	FIAIIL 2 GARE	Period Mean	<6900	0900	3200
Danma! !!	EDA 00700		Dia::44 C. I	Period Max	<6900	50000	400
Benzoic acid	EPA 8270C	µg/kg dry	Plant 1 Cake	10/16/2018		52000	1000
				Period Mean	<52000		
			D	Period Max	<52000	4====	
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		47000	9300
				Period Mean	<47000		
				Period Max	<47000		
Benzyl alcohol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		45000	3700
				Period Mean	<45000		
				Period Max	<45000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	40000	3300
				Period Mean	<40000		
				Period Max	<40000		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		15000	3600
chloroethoxy)m		3 7		Period Mean	<15000		
ethane				Period Max	<15000		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	32000
				Period Mean	<13000		
				Period Max	<13000		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	7700	36000
chloroethyl)ethe				Period Mean	<7700		
r				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	3200
				Period Mean	<6900		
				Period Max	<6900		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	3600
chloroisopropyl)				Period Mean	<15000		
ether				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	3200
		, ,		Period Mean	<13000		
				Period Max	<13000		
Bis(2-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		9800	3600
ethylhexyl)phtha		ניב פיייפייו	i i i i i i i i i i i i i i i i i i i	Period Mean	42000		3000
late				Period Max	42000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		8800	3200
	217102700	pg/kg dry	I lant 2 dake	Period Mean	58000	0000	0200
				Period Max	58000		
Butyl benzyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8700	3600
phthalate	LI A 0270C	µg/kg diy	I latt I Cake	Period Mean	<8700	0700	3000
primarate				Period Max	<8700 <8700		
	EPA 8270C	ua/ka day	Dlant 2 Cake	10/16/2018		7800	3200
	EPA 02/0C	μg/kg dry	Plant 2 Cake			7000	3200
				Period Mean	<7800		
	ED 4 00700	, ,	DI 1401	Period Max	<7800	2000	0000
Chrysene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		8200	3600
				Period Mean	<8200		
				Period Max	<8200		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		7300	3200
				Period Mean	<7300		
				Period Max	<7300		
Dibenz(a,h)anth	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	11000	4600
racene				Period Mean	<11000		
				Period Max	<11000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	9800	4100
				Period Mean	<9800		
				Period Max	<9800		
Dibenzofuran	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	3600
				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	14000	3200
				Period Mean	<14000		
				Period Max	<14000		
Diethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	10000	3600
phthalate				Period Mean	<10000		
				Period Max	<10000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		9300	3200
		100,000		Period Mean	<9300		
				Period Max	<9300		
Dimethyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7300	3600
phthalate	02.100	rg/ng diy	i idili i Odilo	Period Mean	<7300	. 000	3000
ľ				Period Max	<7300		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6600	3200
	LI A 02/00	µg/kg ury	I Iaill 2 Care	Period Mean	<6600	0000	3200

Parameter	Method	Units	Sample	Sample Date	Result	MDL	RL
			Location				
Di-n-butyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	9800	360
phthalate				Period Mean	<9800		
				Period Max	<9800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	8800	320
				Period Mean	<8800		
				Period Max	<8800		
Di-n-octyl	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	9800	360
phthalate				Period Mean	<9800		
				Period Max	<9800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	8800	320
				Period Mean	<8800		
				Period Max	<8800		
Fluoranthene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		17000	360
		רשייש שו	June	Period Mean	<17000		000
				Period Max	<17000		-
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		16000	320
	LI A 02/00	µg/kg uly	Flam 2 Cake	Period Mean	<16000	10000	320
				Period Max	<16000		
Fluorons	EDA 90700	110/leg -l	Diont 4 Cales			7700	200
Fluorene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	360
				Period Mean	<7700		
	EDA 20722		DI- + C C +	Period Max	<7700	0000	000
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	320
				Period Mean	<6900		
				Period Max	<6900		
Hexachlorobenz	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	360
ene				Period Mean	<7700		
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	320
				Period Mean	<6900		
				Period Max	<6900		
Hexachlorobuta	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	15000	360
diene				Period Mean	<15000		
		μg/kg dry	Plant 2 Cake	Period Max	<15000		
	EPA 8270C			10/16/2018		13000	320
				Period Mean	<13000		
				Period Max	<13000		
Hexachlorocyclo	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		34000	910
pentadiene		רשייש שו	June	Period Mean	<34000	5 1000	310
				Period Max	<34000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		30000	810
	LFA 02/00	µg/kg diy	FIAIIL Z CAKE	Period Mean	<30000	30000	010
				Period Mean Period Max			
Llovochlene - 41-	EDA 00700	ا المالية المالية	Diomit 4 Online		<30000	7700	200
Hexachloroetha ne	EPA 82/00	µg/kg dry	Plant 1 Cake	10/16/2018		7700	360
i i C				Period Mean	<7700		
		<i>"</i>		Period Max	<7700	0	
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		6900	320
				Period Mean	<6900		
				Period Max	<6900		
,	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		14000	360
cd)pyrene				Period Mean	<14000		
				Period Max	<14000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	13000	320
				Period Mean	<13000		
				Period Max	<13000		
Isophorone	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7300	360
		3.13.17		Period Mean	<7300		
				. Shou would	1,000		

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6600	32000
				Period Mean	<6600		
				Period Max	<6600		
Naphthalene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	7300	36000
<u>'</u>		, ,		Period Mean	<7300		
				Period Max	<7300		
	EPA 8270C	ua/ka dru	Plant 2 Cake	10/16/2018		6600	32000
	LFA 02/0C	µg/kg dry	Flant 2 Cake	Period Mean	<6600	0000	32000
				Period Max	<6600		
Nitrobenzene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	36000
				Period Mean	<7700		
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	3200
				Period Mean	<6900		
				Period Max	<6900		
N-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	36000
Nitrosodimethyl		1 3 3 7		Period Mean	<7700		1200
amine				Period Max	<7700		
	EDA 92700	المرادم ط	Dignt 2 Calif			6000	2000
	EPA 8270C	µg/kg dry	Plant 2 Cake	10/16/2018		6900	3200
				Period Mean	<6900		
				Period Max	<6900		
N-Nitroso-di-n-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		7700	2700
propylamine				Period Mean	<7700		
				Period Max	<7700		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	6900	2400
				Period Mean	<6900		
				Period Max	<6900		
N-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018		17000	8200
Nitrosodiphenyl	LI 7 02700	pg/kg dry	Tiant Toake	Period Mean	<17000	17000	0200
amine							
	EDA 00700	" "	DI 1001	Period Max	<17000	10000	7000
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		16000	7300
				Period Mean	<16000		
				Period Max	<16000		
Pentachlorophe	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	37000	9100
nol				Period Mean	<37000		
				Period Max	<37000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	33000	8100
		. 5 5 ,		Period Mean	<33000		
				Period Max	<33000		
Phenanthrene	EPA 8270C	ua/ka day	Plant 1 Cake	10/16/2018		16000	3600
i nenanullene	LI 7 02/00	μg/kg dry	i iaiit i Cake	Period Mean	<16000	10000	3000
	EDA COTA	<i>n</i> ,	DI (0.5.)	Period Max	<16000	45000	0.5.5.5
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		15000	3200
				Period Mean	<15000		
				Period Max	<15000		
Phenol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	9800	3600
				Period Mean	<9800		
				Period Max	<9800		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	8800	3200
		. 5 5 ,		Period Mean	<8800		
				Period Max	<8800		
Dyrono	EPA 8270C	ua/ka day	Plant 1 Cake	10/16/2018		15000	3600
Pyrene	LFA 02/00	μg/kg dry	Fiant i Cake			13000	3000
				Period Mean	<15000		
				Period Max	<15000		
	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018		13000	3200
				Period Mean	<13000		
		1		Period Max	<13000		

ategory	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
	Pyridine	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	ND	16000	37000
					Period Mean	<16000		
					Period Max	<16000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	ND	15000	33000
					Period Mean	<15000		
					Period Max	<15000		
ganochlorine	Aldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		270	1800
sticides	, udilli	2171000171	pg/kg dry	Tiant Toute	Period Mean	<270	210	1000
					Period Max	<270		
		EPA 8081A	ua/ka dny	Plant 2 Cake	10/16/2018		250	1700
		EFA 600 IA	μg/kg dry	Platit 2 Cake	Period Mean	<250	230	1700
		EDA 00044		DI (10)	Period Max	<250	200	1000
	alpha-BHC	EPA 8081A	µg/kg dry	Plant 1 Cake	10/16/2018		230	1800
					Period Mean	<230		
					Period Max	<230		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	210	1700
					Period Mean	<210		
					Period Max	<210		
	beta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	710	1800
					Period Mean	<710		
					Period Max	<710		
		EPA 8081A	µg/kg dry	Plant 2 Cake	10/16/2018		650	1700
		2171000171	pg/ng ary	Tiant 2 Gans	Period Mean	<650	000	1100
					Period Max	<650		
	Chlordane	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		8400	27000
	Ciliordane	EFA 600 IA	µg/kg diy	Plant I Cake			0400	27000
					Period Mean	<8400		
		EDA 00044		DI (00)	Period Max	<8400		05000
		EPA 8081A	µg/kg dry	Plant 2 Cake	10/16/2018		7700	25000
					Period Mean	<7700		
					Period Max	<7700		
	delta-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	430	1800
					Period Mean	<430		
					Period Max	<430		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	390	1700
					Period Mean	<390		
					Period Max	<390		
	Dieldrin	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	230	1800
			100		Period Mean	<230		
					Period Max	<230		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		210	1700
		L. 7.0001A	mg/ng diy	I IGHT 2 OGRO	Period Mean	<210	_ 10	1100
					Period Max	<210		
	Endosulfan 1	EDA 9094A	ug/ka d=:	Dignt 1 Calca	10/16/2018		190	1800
	Linuosulian I	EPA 8081A	μg/kg dry	Plant 1 Cake			190	1000
					Period Mean	<190		
		EDA 00011	, ,	DI (0.0.)	Period Max	<190	4=0	4700
		EPA 8081A	µg/kg dry	Plant 2 Cake	10/16/2018		170	1700
					Period Mean	<170		
					Period Max	<170		
	Endosulfan 2	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		310	1800
					Period Mean	<310		
					Period Max	<310		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	280	1700
					Period Mean	<280		
					Period Max	<280		
	Endosulfan	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		300	1800
	Sulfate		רטייט שיי	a i Gano	Period Mean	<300		
	Culluto							

Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	270	1700
				Period Mean	<270		
				Period Max	<270		
Endrin	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	330	1800
				Period Mean	<330		
				Period Max	<330		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	300	1700
		, , ,		Period Mean	<300		
				Period Max	<300		
Endrin Aldehyde	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		180	1800
,		13.3		Period Mean	<180		
				Period Max	<180		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		170	1700
	Li 71 000 171	pg/kg dry	I lant 2 dake	Period Mean	<170	170	1700
				Period Max	<170		
Endrin Ketone	EPA 8081A	ua/ka day	Plant 1 Cake	10/16/2018		530	1800
LIMITI RELUTE	LFA 000 IA	μg/kg dry	Fiant i Cake	Period Mean	<530	330	1000
	EDA 00011		Dia t O O I	Period Max	<530	400	4700
	EPA 8081A	µg/kg dry	Plant 2 Cake	10/16/2018		480	1700
				Period Mean	<480		
				Period Max	<480		
gamma-BHC	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		500	1800
				Period Mean	<500		
				Period Max	<500		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		460	1700
				Period Mean	<460		
				Period Max	<460		
Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	230	1800
				Period Mean	<230		
				Period Max	<230		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	210	1700
				Period Mean	<210		
				Period Max	<210		
Heptachlor	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	460	1800
Epoxide		13.3		Period Mean	<460		
				Period Max	<460		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		420	1700
		רטייש אין	ant 2 outo	Period Mean	<420	.20	1700
				Period Max	<420		
Kepone	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		27000	8100
Acpone	LI A 000 IA	µg/kg uly	I lailt I Cake	Period Mean	<27000	21000	0100
				Period Max	<27000		
	EDA 9094A	ua/ka day	Plant 2 Cake			25000	7400
	EPA 8081A	μg/kg dry	Piant 2 Cake	10/16/2018 Period Mean	ND <25000	25000	7400
1	EDA 00011	, ,	DI ((0)	Period Max	<25000	100	0=6-
Methoxychlor	EPA 8081A	µg/kg dry	Plant 1 Cake	10/16/2018		480	3500
				Period Mean	<480		
				Period Max	<480		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		440	3200
				Period Mean	<440		
				Period Max	<440		
Mirex	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	290	1800
				Period Mean	<290		
				Period Max	<290		
	EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	260	1700
				Period Mean	<260		
1				Period Max	<260		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
	o,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	ND	390	1800
	'				Period Mean	<390		
					Period Max	<390		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		350	1700
			13.3		Period Mean	<350		
					Period Max	<350		
	o,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		700	1800
	0,p-DDL	LI A OOO IA	pg/kg dry	I lant I dake	Period Mean	<700	700	1000
					Period Max	<700		
		EDA 0004A	//	Dlamt 2 Calca			040	1700
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		640	1700
					Period Mean	<640		
					Period Max	<640		
	o,p'-DDT	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		570	1800
					Period Mean	<570		
					Period Max	<570		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	520	1700
					Period Mean	<520		
					Period Max	<520		
	p,p'-DDD	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018	B ND	590	1800
	'		, ,		Period Mean	<590		
					Period Max	<590		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018		540	1700
		LI 71 000 171	pg/kg dry	Tidili 2 Odiko	Period Mean	<540	040	1700
					Period Max	<540		
	DDE	EDA 0004A	//	Dlamt 1 Calca			200	4000
	p,p'-DDE	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		260	1800
					Period Mean	<260		
					Period Max	<260		
	EPA 8081A	EPA 8081A	EPA 8081A µg/kg dry	Plant 2 Cake	10/16/2018		230	1700
					Period Mean	<230		
					Period Max	<230		
	p,p'-DDT	EPA 8081A	EPA 8081A μg/kg dry	Plant 1 Cake	10/16/2018	ND	630	1800
					Period Mean	<630		
					Period Max	<630		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018	ND	580	1700
					Period Mean	<580		
					Period Max	<580		
	Total DDTs	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018			
			13.3		Period Mean	#VALUE!		
					Period Max	#VALUE!		
		EPA 8081A	μg/kg dry	Plant 2 Cake	10/16/2018			
		LI A 000 IA	pg/ng dry	I Idill 2 Oake	Period Mean	#VALUE!		
					Period Max	#VALUE!		
	Toyonh	EDA 9004A	المراليم ط	Dignt 1 Calca			17000	72000
	Toxaphene	EPA 8081A	μg/kg dry	Plant 1 Cake	10/16/2018		17000	72000
					Period Mean	<17000		
		ED. 22:::		DI : 2 - :	Period Max	<17000	10555	
		EPA 8081A	µg/kg dry	Plant 2 Cake	10/16/2018		16000	66000
					Period Mean	<16000		
					Period Max	<16000		
Bs	PCB 1016	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018		1400	4100
					Period Mean	<1400		
					Period Max	<1400		
		EPA 8082	μg/kg dry	Plant 2 Cake	10/16/2018	ND	680	2000
					Period Mean	<680		
					Period Max	<680		
	PCB 1221	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018		1400	4100
	1 00 1221	LI A 0002	pg/ng dry	I MIL I Cake			1700	-1100
					Period Mean Period Max	<1400 <1400		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
		EPA 8082	μg/kg dry	Plant 2 Cake	10/16/2018	ND	680	2000
					Period Mean	<680		
					Period Max	<680		
	PCB 1232	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018		1400	4100
			, ,		Period Mean	<1400		
					Period Max	<1400		
		EPA 8082	μg/kg dry	Plant 2 Cake	10/16/2018		680	2000
			F9/1.9 4.7	i idini 2 Gains	Period Mean	<680	000	
					Period Max	<680		
	PCB 1242	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018		1400	4100
	1 00 1242	LI 7 0002	pg/kg dry	I lant I dake	Period Mean	<1400	1400	4100
					Period Max	<1400		
		EPA 8082	ua/ka dni	Plant 2 Cake	10/16/2018		680	2000
		EPA 8082	μg/kg dry	Plant 2 Cake	Period Mean		080	2000
						<680		
					Period Max	<680		
	PCB 1248	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018		1400	4100
					Period Mean	<1400		
					Period Max	<1400		
		EPA 8082	μg/kg dry	Plant 2 Cake	10/16/2018	ND	680	2000
					Period Mean	<680		
					Period Max	<680		
	PCB 1254	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1400	4100
					Period Mean	<1400		
					Period Max	<1400		
		EPA 8082	μg/kg dry	Plant 2 Cake	10/16/2018	ND	680	2000
					Period Mean	<680		
					Period Max	<680		
	PCB 1260	EPA 8082	μg/kg dry	Plant 1 Cake	10/16/2018	ND	1400	4100
			1-337		Period Mean	<1400	1	
					Period Max	<1400		
		EPA 8082	EPA 8082 µg/kg dry	Plant 2 Cake	10/16/2018		680	2000
		21710002	-A 6062 μg/kg dry	Flant 2 Cake	Period Mean	<680	000	2000
					Period Max	<680		
	DCD UD DM	EPA 8082	ug/kg dry	Plant 1 Cake	10/16/2018		1400	4100
	PCB_HR_DM	EPA 0002	μg/kg dry	Plant I Cake			1400	4100
						<1400		
		ED4 0000		DI (00)	Period Max	<1400	200	2000
		EPA 8082	µg/kg dry	Plant 2 Cake	10/16/2018		680	2000
					Period Mean	<680		
					Period Max	<680		
oxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g dry	Plant 1 Cake	10/16/2018		2.4	5.6
					Period Mean	<2.4		
					Period Max	<2.4		
		EPA 1613B	pg/g dry	Plant 2 Cake	10/16/2018	ND	0.54	5.0
					Period Mean	<0.54		
					Period Max	<0.54		
entatively	17-(1,5-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	270000		55000
entified	DIMETHYLHEX				Period Mean	270000		
ompounds	YL)-10,13-				Period Max	270000		
	758-16-7	EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018			49000
			100,000		Period Mean	430000		
					Period Max	430000		
	Cholest-4-en-3-	FPΔ 8270 ∩	μg/kg dry	Plant 2 Cake	10/16/2018			49000
	one	LI A 02/00	µg/kg ury	i iaiil 2 Cake	Period Mean	640000		+3000
					Period Mean Period Max	640000		
	CHOLECT 5 EV	EDA 00700	مرااده عا :	Diont 4 Only				FF000
	CHOLEST-5-EN- 3-ONE	EPA 82/00	µg/kg dry	Plant 1 Cake	10/16/2018			55000
	J-OIVL				Period Mean	450000		
					Period Max	450000		

У	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
	Cholestan-3-ol	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	2200000		55000
			13 3 3		Period Mean	2200000		
					Period Max	2200000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	3000000		49000
					Period Mean	3000000		
					Period Max	3000000		
	Cholestan-3-	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	190000		55000
	one				Period Mean	190000		
					Period Max	190000		
	n-Hexadecanoic	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	610000		55000
	acid				Period Mean	610000		
	E				Period Max	610000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	630000		49000
					Period Mean	630000		
					Period Max	630000		
	Squalene	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	350000		55000
					Period Mean	350000		
					Period Max	350000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	520000		49000
					Period Mean	520000		
					Period Max	520000		
	UNKNOWN	EPA 8270C	μg/kg dry	Plant 1 Cake	10/16/2018	430000		55000
					Period Mean	430000		
					Period Max	430000		
		EPA 8270C	μg/kg dry	Plant 2 Cake	10/16/2018	670000		49000
					Period Mean	670000		
					Period Max	670000		

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
General	Ammonia-N	SM 4500 NH3 G		Plant 1 Cake	11/06/2018	6900	280	1400
Chemistry			weight		12/11/2018	7800	290	1500
					Period Mean	7400		
					Period Max	7800		
		SM 4500 NH3 G		Plant 1	11/27/2018	5300	230	1100
			weight	Dewatering	11/29/2018	5100	220	1100
				Cake	12/04/2018	6100	240	1200
					12/11/2018	6100	240	1200
					Period Mean	5600		
					Period Max	6100		
		SM 4500 NH3 G	mg/kg dry	Plant 2 Cake	11/06/2018	5700	240	1200
			weight		11/27/2018	5500	250	1200
					12/04/2018		250	1300
					12/11/2018		240	1200
					Period Mean	5800		
					Period Max	6300		
	Kjeldahl	EPA 351.2	mg/kg dry	Plant 1 Cake	11/06/2018		9400	12000
	Nitrogen	2.7.001.2	weight	Flam I Cake	12/11/2018		5600	7400
					Period Mean	58000	0000	7 100
					Period Max	59000		
		EPA 351.2	mg/kg dry	Plant 1	11/27/2018		6800	9100
		EPA 351.2	weight	Dewatering	11/29/2018		5000	6700
			Wolght	Cake	12/04/2018		6900	9200
					12/11/2018		5500	7400
					Period Mean	56000	3300	7400
					Period Max	64000		
					COMBINED	57000		
					MEAN	37000		
		EPA 351.2	mg/kg dry	Plant 2 Cake	11/06/2018	45000	8700	12000
		2171001.2	weight	Tiant 2 dake	11/27/2018		7900	11000
					12/04/2018		5400	7200
				Plant 1 Cake	12/11/2018		7000	9300
					Period Mean	52000	7000	9300
					Period Mean	60000		
	Nitrate-N	EPA 300.0			11/06/2018		4.5	6.3
	INILIALE-IN	EPA 300.0	mg/kg dry weight	Plant 1 Cake	12/11/2018		4.8	6.5
			weight		Period Mean		4.0	0.5
					Period Max	<4.8		
		EPA 300.0	ma ar // car al m r	Plant 1		<4.8	0.7	F 4
		EPA 300.0	mg/kg dry weight	Dewatering	11/27/2018		3.7	5.1
			Weight	Cake	11/29/2018		3.6	4.9
					12/04/2018		3.9	5.3
					12/11/2018		3.9	5.3
					Period Mean	<3.9		
					Period Max	<3.9		
		EPA 300.0	mg/kg dry	Plant 2 Cake	11/06/2018		3.9	5.4
			weight		11/27/2018		4	5.5
					12/04/2018		4.1	5.7
					12/11/2018		3.9	5.4
					Period Mean	<4.1		
					Period Max	<4.1		
	Nitrite-N	EPA 300.0	mg/kg dry	Plant 1 Cake	11/06/2018		6.3	8.5
			weight		12/11/2018		6.5	8.9
					Period Mean	<6.5		
					Period Max	<6.5		
		EPA 300.0	mg/kg dry	Plant 1	11/27/2018	ND	5.1	6.9
			weight	Dewatering	11/29/2018	ND	4.9	6.7
			J	Cake	12/04/2018	ND	5.3	7.3

Category	of Priority Pollu Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
				Location	12/11/2018	ND	5.3	7.2
					Period Mean	<5.3		
					Period Max	<5.3		
		EPA 300.0	mg/kg dry	Plant 2 Cake	11/06/2018			7.4
			weight	i iaini 2 Gaine	11/27/2018			
					12/04/2018			
					12/11/2018			
					Period Mean	<5.7		7.0
					Period Max	<5.7		
	Organic	CALC	mg/kg dry	Plant 1 Cake	11/06/2018			
	Nitrogen		weight		12/11/2018			
					Period Mean	50000		
					Period Max	51000		
		CALC	mg/kg dry	Plant 1	11/27/2018			
			weight	Dewatering	11/29/2018			
				Cake	12/04/2018			
					12/11/2018			
					Period Mean	51000		
					Period Max	58000		
		CALC	mg/kg dry	Plant 2 Cake	11/06/2018			
		O/ ILO	weight	Tidit 2 Odko	11/27/2018			
					12/04/2018			
					12/11/2018			
					Period Mean	46000		
					Period Max	54000		
	pH	EPA 9045C	pH units	Plant 1 Cake	11/06/2018			0.1
	Pii	217100400	pri dinto	Tidile T Odice	12/11/2018			
					Period Mean	8		0.1
					Period Max	8.1		
		EPA 9045C	pH units	Plant 1	11/27/2018			0.1
		_, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	pri dilito	Dewatering	11/29/2018			
			A 9045C pH units	Cake	12/04/2018			
					12/11/2018			
					Period Mean	7.8		0.1
				Plant 2 Cake	Period Max	8.1		
		EPA 9045C			11/06/2018			0.1
		217100100	pri dinto	Fiant 2 Cake	11/27/2018			
					12/04/2018			
					12/11/2018			
					Period Mean	8		0.1
					Period Max	8.1		
	Total Nitrogen	CALC	mg/kg dry	Plant 1 Cake	11/06/2018			
	rotal ratiogon	0, (20	weight	riant roans	12/11/2018			
					Period Mean	58000		
					Period Max	59000		
		CALC	mg/kg dry	Plant 1	11/27/2018			
		07.20	weight	Dewatering	11/29/2018			
				Cake	12/04/2018			
					12/11/2018			
					Period Mean	56000		
					Period Max	64000		
					COMBINED	57000		
					MEAN	37000		
		CALC	mg/kg dry	Plant 2 Cake	11/06/2018	45000		
			weight		11/27/2018			
					12/04/2018			
					12/11/2018			

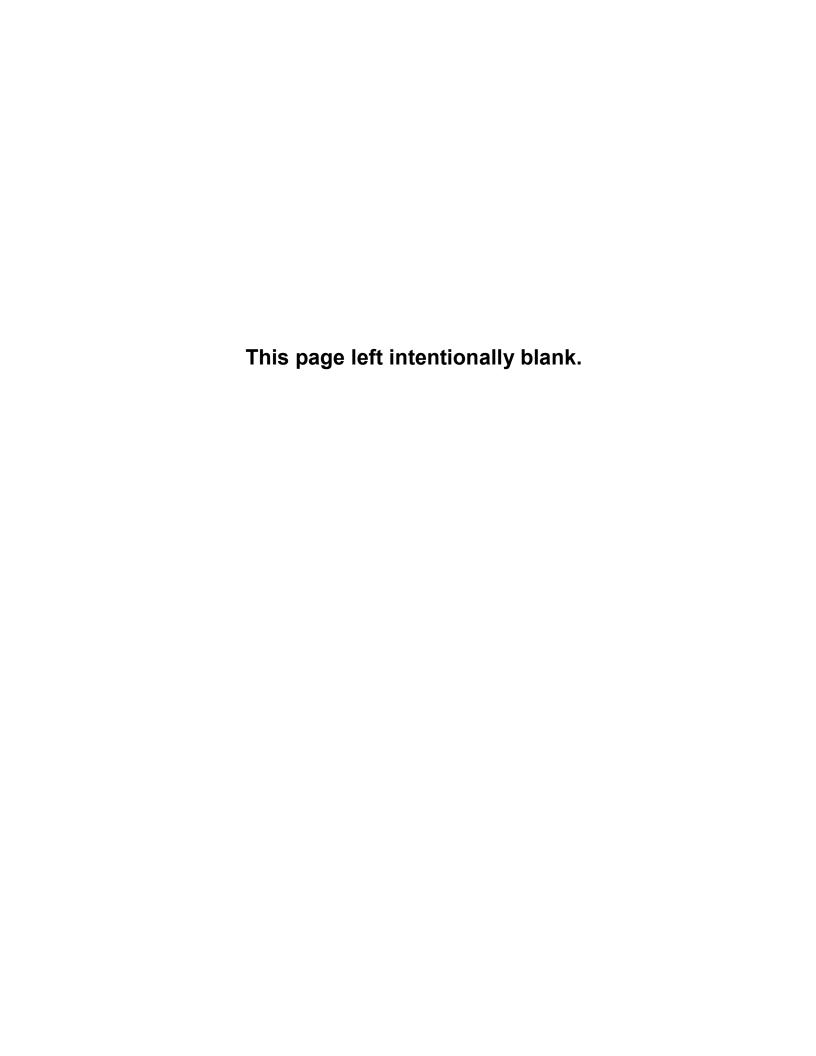
Category	Parameter	Method	Units	Sample Location	in Biosolids for Sample Date			RL
				200411011	Period Mean	52000		
					Period Max	60000		
	Total Solids	SM 2540G	%	Plant 1 Cake	11/06/2018	18	0.05	0.05
					12/11/2018	17	0.05	0.05
					Period Mean	18		
					Period Max	18		
		SM 2540G	%	Plant 1	11/27/2018		0.05	0.05
				Dewatering	11/29/2018		0.05	0.05
				Cake	12/04/2018	21	0.05	0.05
					12/11/2018	21	0.05	0.05
					Period Mean	22		
					Period Max	23		
		SM 2540G	%	Plant 2 Cake	11/06/2018	20	0.05	0.05
					11/27/2018	21	0.05	0.05
					12/04/2018	19	0.05	0.05
					12/11/2018		0.05	0.05
					Period Mean	20		
					Period Max	21		
Trace Elements	Arsenic	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018	23	3.1	17
			weight		12/11/2018	18	3.2	17
					Period Mean	20		
					Period Max	23		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018	18	2.5	14
			weight	Dewatering	11/29/2018	19	2.5	13
				Cake	12/04/2018	15	2.7	14
					12/11/2018	15	2.6	14
					Period Mean	17		
					Period Max	19		
					COMBINED MEAN	18		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	24	2.7	15
			weight		11/27/2018	20	2.7	15
					12/04/2018	18	2.8	15
					12/11/2018	18	2.7	14
					Period Mean	20		
					Period Max	24		
	Cadmium	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018	1.7 DNQ	0.14	2.8
			weight		12/11/2018	1.7 DNQ	0.14	2.9
					Period Mean	1.7 DNQ		
					Period Max	1.7 DNQ		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		0.11	2.3
			weight	Dewatering	11/29/2018		0.11	2.2
				Cake	12/04/2018		0.12	2.4
					12/11/2018		0.12	2.4
					Period Mean	1.4 DNQ		
					Period Max	1.4 DNQ		
					COMBINED MEAN	1.5 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018		0.12	2.4
			weight		11/27/2018		0.12	2.5
					12/04/2018		0.13	
					12/11/2018		0.12	2.4
					Period Mean	4.4		
					Period Max	5.3		
	Chromium	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018		1.2	
			weight		12/11/2018		1.3	12
		1			Period Mean	40		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date			RL
					Period Max	42		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018	35	0.97	9
			weight	Dewatering	11/29/2018	36	0.96	8.9
				Cake	12/04/2018	31	1	9.6
					12/11/2018	32	1	9.5
					Period Mean	34		
					Period Max	36		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	58	1	9.7
			weight		11/27/2018	48	1.1	9.9
					12/04/2018	38	1.1	10
					12/11/2018	40	1	9.7
					Period Mean	46		
					Period Max	58		
	Copper	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018		2.5	14
	''		weight		12/11/2018		2.6	15
					Period Mean	490		
					Period Max	500		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		2	11
			weight	Dewatering	11/29/2018		2	11
				Cake	12/04/2018		2.1	12
					12/11/2018		2.1	12
					Period Mean	430		
					Period Max	450		
					COMBINED MEAN	450		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	530	2.1	12
			weight		11/27/2018	490	2.2	12
					12/04/2018	410	2.3	13
					12/11/2018	470	2.1	12
					Period Mean	480		
					Period Max	530		
	Iron	EPA 6010B	mg/kg dry		11/06/2018	84000	12	56
			weight	Plant 1	12/11/2018	66000	13	58
					Period Mean	75000		
					Period Max	84000		
		EPA 6010B	mg/kg dry		11/27/2018	69000	10	45
			weight	Dewatering	11/29/2018	68000	9.9	45
				Cake	12/04/2018	51000	11	48
					12/11/2018	59000	11	47
					Period Mean	62000		
					Period Max	69000		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	83000	11	49
			weight		11/27/2018	74000	11	49
					12/04/2018	65000	11	52
					12/11/2018	71000	11	48
					Period Mean	73000		
					Period Max	83000		
	Lead	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018	17	0.76	5.6
			weight		12/11/2018	13	0.8	5.8
					Period Mean	15		
					Period Max	17		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		0.62	4.5
			weight	Dewatering	11/29/2018	12	0.61	4.5
				Cake	12/04/2018	9.7	0.66	4.8
					12/11/2018	10	0.65	4.7
					Period Mean	11		
					Period Max	12		

Category	Parameter	Method	Units	uents Analysis i Sample Location	Sample Date	Result	MDL	RL
				Location	COMBINED MEAN	12		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	13	0.67	4.9
			weight		11/27/2018	12	0.68	4.9
					12/04/2018	12	0.71	5.2
					12/11/2018	13	0.66	4.8
					Period Mean	12		
					Period Max	13		
	Magnesium	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018	7300	19	140
			weight		12/11/2018		20	150
					Period Mean	6200		
					Period Max	7300		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		15	
			weight	Dewatering Cake	11/29/2018		15	
				Cake	12/04/2018		16	-
					12/11/2018		16	120
					Period Mean	5100		
					Period Max	6100		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018		16	
			weight		11/27/2018		17	
					12/04/2018		17	
					12/11/2018		16	120
					Period Mean	7200		
				Plant 1 Cake	Period Max	8200		
	Mercury	EPA 7471A	mg/kg dry weight		11/06/2018		0.068	
			weight		12/11/2018		0.07	0.12
					Period Mean	0.94		
		EDA 7474A		Diam't 4	Period Max	1.2	0.055	0.000
			mg/kg dry weight	Plant 1 Dewatering Cake	11/27/2018		0.055	
					11/29/2018		0.053	
					12/04/2018 12/11/2018		0.057	
					Period Mean	0.78 0.74	0.057	0.095
					Period Max	0.74		
					COMBINED	0.97		
					MEAN	0.01		
		EPA 7471A	mg/kg dry	Plant 2 Cake	11/06/2018			
			weight		11/27/2018	0.73	0.059	
					12/04/2018		0.061	
					12/11/2018		0.057	0.095
					Period Mean	0.83		
					Period Max	1.3		
	Molybdenum	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018			
			weight		12/11/2018			12
					Period Mean	19		
					Period Max	19		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		0.26	
			weight	Dewatering Cake	11/29/2018			
				Care	12/04/2018			
					12/11/2018			9.5
					Period Mean	18		
					Period Max	22		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018			
			weight		11/27/2018			
					12/04/2018			
					12/11/2018			9.7
					Period Mean	17		

egory	Parameter	Method	Units	Sample Location	n Biosolids for Sample Date			RL
					Period Max	18		
	Nickel	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018		1	11
			weight		12/11/2018		1	12
					Period Mean	34		
					Period Max	35		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		0.81	9
			weight	Dewatering	11/29/2018		0.8	8.9
				Cake	12/04/2018	-	0.87	9.6
					12/11/2018		0.85	9.5
					Period Mean	34		
					Period Max	50		
					COMBINED	34		
					MEAN			
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	38	0.87	9.7
			weight		11/27/2018	39	0.89	9.9
					12/04/2018	32	0.93	10
					12/11/2018	33	0.87	9.7
					Period Mean	36		
					Period Max	39		
	Selenium	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018	ND	3.1	28
			weight		12/11/2018	ND	3.3	29
					Period Mean	<3.3		
					Period Max	<3.3		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018	ND	2.5	23
			weight	Dewatering	11/29/2018	ND	2.5	22
				Cake	12/04/2018	ND	2.7	24
					12/11/2018	ND	2.7	24
					Period Mean	<2.7		
					Period Max	<2.7		
					COMBINED MEAN	<3.3		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	ND	2.7	24
			weight		11/27/2018		2.8	25
					12/04/2018		2.9	26
					12/11/2018		2.7	24
					Period Mean	<2.9		
					Period Max	<2.9		
	Silver	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018		0.79	14
			weight		12/11/2018	3.5 DNQ	0.82	15
					Period Mean	3.7 DNQ		
					Period Max	3.9 DNQ		
		EPA 6010B	mg/kg dry	Plant 1	11/27/2018		0.64	11
			weight	Dewatering	11/29/2018		0.63	11
				Cake	12/04/2018		0.68	12
					12/11/2018		0.67	12
					Period Mean	3.9 DNQ		
					Period Max	4.8 DNQ		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	5.1 DNQ	0.69	12
			weight		11/27/2018	3.1 DNQ	0.7	12
					12/04/2018		0.73	13
					12/11/2018		0.68	12
					Period Mean	3.8 DNQ		
					Period Max	5.1 DNQ		
	Zinc	EPA 6010B	mg/kg dry	Plant 1 Cake	11/06/2018		9.7	28
			weight		12/11/2018		10	29
					Period Mean	680		
			1		Period Max	680		

Category	Parameter	Method	Units	Sample	Sample Date	Result	MDL I	RL
			00	Location				-
		EPA 6010B	mg/kg dry weight	Plant 1	11/27/2018	580	7.8	23
				Dewatering	11/29/2018	620	7.7	22
				Cake	12/04/2018	600	8.3	24
					12/11/2018	560	8.2	24
					Period Mean	590		
					Period Max	620		
					COMBINED MEAN	620		
		EPA 6010B	mg/kg dry	Plant 2 Cake	11/06/2018	810	8.4	24
			weight		11/27/2018	730	8.5	25
					12/04/2018	680	8.9	26
					12/11/2018	700	8.3	24
					Period Mean	730		
					Period Max	810		



NPDES ID: CAL110604 Facility Status: Active

Facility Name: ORANGE COUNTY SD #1

10844 ELLIS AVENUE FOUNTAIN VALLEY, CA 92708-7018

View Annual Report



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

FORM Approved OMB No. 2040-0004

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.

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

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- 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

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).

24204

Reporting Period Start Date: 01/01/2018

Reporting Period End Date: 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):

Anaerobic 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)

Other Processes to Manage Sewage Sludge:

Methane or Biogas Capture and Recovery

Analytical	Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period?

☑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 0010 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-NH3 Ammonia Nitrogen
 Standard Method 2540 Total Solids
- Standard Method 2540 Volatile Solids
- EPA Method 1311 Toxicity Characteristic Leaching
- EPA Method 9045 pH (> 7% solids)

Other Analytical Methods

 Other Nitrate Nitrogen Analytical Method

Other Analytical Methods Text Area:

EPA 300.0

: 003	
mount: 2938.9	
anagement Practice Detail: Agricultural Land Application	
ulk or Bag/Container: Bulk	
andler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier	
PDES ID of handler:	
acility Information: ule Ranch / Ag-Tech	Contact Information: Shaen Magan
324 E. Ashlan Ave. resno, CA 93726	Owner 559-970-9432
	kurt@westexp.com
athogen Class: Class B	
ewage Sludge or Biosolids Pathogen Reduction Options: Class B-Alternative 2 PSRP 3: Anaerobic Digestion	
ewage Sludge or Biosolids Vector Attraction Reduction Options:	
 Option 1 - Volatile Solids Reduction Option 10 - Sewage Sludge Timely Incorporation into Land 	
id the facility land analy hull covere aludes when are as more callutants in the covere	uuga aluuda ayaaadad 00 aayaant oo maya af anu af tha aymulatiya nallutant laadiing estaa in Tabla 2 af 40
FR 503.13?	wage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40
☐ YES ☑ NO ☐ UNKNOWN	

			-
Mor	าเรด	rına	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: 01/01/2018 Compliance Monitoring Period End Date: 02/28/2018

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	14	
Cadmium	=	3.9	
Copper	=	510	
Lead	=	14	
Mercury	=	1	
Molybdenum	=	16	
Nickel	=	39	
Selenium	<	3.3	
Zinc	=	620	

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	11	
Cadmium	J (Below RL but Above MDL)	3	
Copper	=	410	
Lead	=	11	
Mercury	=	0.8	
Nickel	=	35	
Selenium	<	3.3	
Zinc	=	560	

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)	=	61000	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date: 03/01/2018	Compliance Monitoring Period End Date: 04/30/2018
Do you have analytical results to report for this monitoring pe	riod?	
, , ,	equivalent to the monthly average pollutant concentrations for t sewage sludge or biosolids for this compliance monitoring perio	

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)	If No Data, Select One Of The Following
Arsenic	=	17	
Cadmium	J (Below RL but Above MDL)	2.3	
Copper	=	500	
Lead	=	26	
Mercury	=	1.3	
Molybdenum	=	17	
Nickel	=	36	
Selenium	<	3.1	
Zinc	=	630	

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	13	
Cadmium	J (Below RL but Above MDL)	2	
Copper	=	400	
Lead	=	14	
Mercury	=	0.87	
Nickel	=	32	
Selenium	<	3.1	
Zinc	=	540	

Total Nitrogen (TKN plus Nitrate-Nitrite) = 59000	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. 3	Compliance Monitoring Period Start Date: 05/01/2018	Compliance Monitoring Period End Date: 06/30/2018
Do you have analytical results to report for this monitoring per	iod? ☑YES □NO	
Are you reporting maximum pollutant concentrations that are educated be the case if you only collected and analyzed one sample of s	equivalent to the monthly average pollutant concentrations for t ewage sludge or biosolids for this compliance monitoring peric	
□YES ♥NO		

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	22	
Cadmium	=	1.7	
Copper	=	500	
Lead	=	14	
Mercury	=	2	
Molybdenum	=	18	
Nickel	=	40	
Selenium	<	3.2	
Zinc	=	670	

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	16	
Cadmium	J (Below RL but Above MDL)	1.8	
Copper	=	470	
Lead	=	13	
Mercury	=	1.2	
Nickel	=	34	
Selenium	<	3.2	
Zinc	=	620	

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)	=	56000	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date: 07/01/2018	Compliance Monitoring Period End Date: 06/31/2018
Do you have analytical results to report for this monitoring pe	oriod? ☑ YES □ NO	
Are you reporting maximum pollutant concentrations that are be the case if you only collected and analyzed one sample of s ☐ YES ☑ NO	. , , , ,	

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	23	
Cadmium	J (Below RL but Above MDL)	1.9	
Copper	=	560	
Lead	=	12	
Mercury	=	0.84	
Molybdenum	=	21	
Nickel	=	47	
Selenium	<	3.1	
Zinc	=	730	

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)	If No Data, Select One Of The Following
Arsenic	=	21	
Cadmium	J (Below RL but Above MDL)	1.7	
Copper	=	480	
Lead	=	11	
Mercury	=	0.72	
Nickel	=	38	
Selenium	<	3.1	
Zinc	=	640	

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)	=	56000	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date: 09/01/2018	Compliance Monitoring Period End Date: 10/31/2018
Do you have analytical results to report for this monitoring pe	iod? ☑YES □NO	
Are you reporting maximum pollutant concentrations that are	equivalent to the monthly average pollutant concentrations for t	this compliance monitoring event? [For example, this will

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)	If No Data, Select One Of The Following
Arsenic	=	29	
Cadmium	=	4.4	
Copper	=	610	
Lead	=	19	
Mercury	=	1.2	
Molybdenum	=	22	
Nickel	=	47	
Selenium	<	3.1	
Zinc	=	950	

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)	If No Data, Select One Of The Following
Arsenic	=	22	
Cadmium	J (Below RL but Above MDL)	2.3	
Copper	=	510	
Lead	=	13	
Mercury	=	0.97	
Nickel	=	36	
Selenium	<	3.1	
Zinc	=	710	

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)	=	54000	

Compliance Monitoring Event No. 6 Compliance Monitoring Period Start Date: 11/01/2018 Compliance Monitoring Period End Date: 12/31/2018

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)	If No Data, Select One Of The Following
Arsenic	=	23	
Cadmium	J (Below RL but Above MDL)	1.7	
Copper	=	500	
Lead	=	17	
Mercury	=	1.2	
Molybdenum	=	22	
Nickel	=	50	
Selenium	<	3.3	
Zinc	=	680	

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)	If No Data, Select One Of The Following
Arsenic	=	18	
Cadmium	J (Below RL but Above MDL)	1.5	
Copper	=	450	
Lead	=	12	
Mercury	=	0.81	
Nickel	=	34	
Selenium	<	3.3	
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
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	57000	

ID: 004

Amount: 840.2

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 – Arizona Soils Contact Information:

Craig

Geyer

5615 S. 9	11st	Avenue
Tolleson,	CA	85353

Regional Manager 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 1 - Volatile Solids Reduction
 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=pit40.32.503&grg=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: 01/01/2018	Compliance Monitoring Period End Date: 02/28/2018

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)	If No Data, Select One Of The Following		
Arsenic	=	4.5			
Cadmium	=	1.9			
Copper	=	400			
Lead	=	15			
Mercury	=	1.2			
Molybdenum	=	12			
Nickel	=	17			
Selenium	=	3.8			
Zinc	=	730			

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	=	270	
Salmonella	<	1	

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)	If No Data, Select One Of The Following
Arsenic	=	3.8	
Cadmium	=	1.44	
Copper	=	305	
Lead	=	11.1	
Mercury	=	1.2	
Nickel	=	14	
Selenium	=	3.5	
Zinc	=	540	

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)	=	30650	

Compliance Monitoring Event No. 2 Cor	mpliance Monitoring Period Start Date: 03/01/2018	Compliance Monitoring Period End Date: 04/30/2018
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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)	If No Data, Select One Of The Following
Arsenic	=	5.7	
Cadmium	=	1.9	
Copper	=	530	
Lead	=	31	
Mercury	=	1.7	
Molybdenum	=	17	
Nickel	=	23	
Selenium	=	8.1	
Zinc	=	920	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	=	36	
Salmonella	<	1	

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	

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)	If No Data, Select One Of The Following
Arsenic	=	5.4	
Cadmium	=	1.9	
Copper	=	490	
Lead	=	23	
Mercury	=	1.5	
Nickel	=	22	
Selenium	=	7.1	
Zinc	=	890	

Sewage Sludge or Biosolids Parameter	rameter Value Qualifier Parameter Concentration (mg/kg, dry-weight basis)		If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39950	

Compliance Monitoring Event No. 3	Compliance Monitoring Period Start Date: 05/01/2018	Compliance Monitoring Period End Date: 06/30/2018
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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)	If No Data, Select One Of The Following
Arsenic	=	5.1	
Cadmium	=	1.8	
Copper	=	440	
Lead	=	15	
Mercury	=	1.3	
Molybdenum	=	15	
Nickel	=	20	
Selenium	=	6.6	
Zinc	=	840	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	28	
Salmonella	<	1	

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	=	56	

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)	If No Data, Select One Of The Following
Arsenic	=	3.6	
Cadmium	=	1.24	
Copper	=	295	
Lead	=	10.9	
Mercury	=	1.15	
Nickel	=	14.7	
Selenium	=	4.4	
Zinc	=	550	

Sewage Sludge or Biosolids Parameter	ds Parameter Value Qualifier Parameter Concentration (mg/kg, dry-weight basis)		If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	39850	

Compliance Monitoring Event No. 4	Compliance Monitoring Period Start Date: 07/01/2018	Compliance Monitoring Period End Date: 08/31/2018

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)	If No Data, Select One Of The Following		
Arsenic	=	6.2			
Cadmium	=	2			
Copper	=	510			
Lead	=	17			
Mercury	=	1.8			
Molybdenum	=	16			
Nickel	=	26			
Selenium	=	7.2			
Zinc	=	870			

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	30	
Salmonella	<	1	

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	=	54	

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)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	2	
Copper	=	480	
Lead	=	17	
Mercury	=	1.7	
Nickel	=	25	
Selenium	=	6.8	
Zinc	=	840	

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)	=	36900	

Compliance Monitoring Event No. 5	Compliance Monitoring Period Start Date: 09/01/2018	Compliance Monitoring Period End Date: 10/31/2018
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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)	If No Data, Select One Of The Following
Arsenic	=	7.9	
Cadmium	=	3.3	
Copper	=	540	
Lead	=	26	
Mercury	=	1.2	
Molybdenum	=	17	
Nickel	=	26	
Selenium	=	6.5	
Zinc	=	850	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	33	
Salmonella	<	1	

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	=	53	

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)	If No Data, Select One Of The Following
Arsenic	=	6.4	
Cadmium	=	2.3	
Copper	=	370	
Lead	=	16.6	
Mercury	=	1.2	
Nickel	=	17.8	
Selenium	=	4.4	
Zinc	=	590	

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)	=	46200	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date: 11/01/2018	Compliance Monitoring Period End Date: 12/31/2018

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)	If No Data, Select One Of The Following
Arsenic	=	8.1	
Cadmium	=	3.7	
Copper	=	510	
Lead	=	19	
Mercury	=	1.4	
Molybdenum	=	17	
Nickel	=	26	
Selenium	=	7.3	
Zinc	=	880	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	33	
Salmonella	<	1	

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	=	52	

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)	If No Data, Select One Of The Following
Arsenic	=	7.3	
Cadmium	=	2.9	
Copper	=	510	
Lead	=	19	
Mercury	=	1.4	
Nickel	=	26	
Selenium	=	6.5	
Zinc	=	840	

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)	=	36100	

Sludge Management - Surface Disposal	
Sludge Management - Incineration	
Sludge Management - Other Management Practice	
ID: 001	
Amount: <u>14608.4</u>	
Management Practice Detail: Other	
Other Management Practice Detail Description: EPA-permitted Class I Sludge Management facility - of	composting
Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer	
NPDES ID of handler:	
Facility Information: Synagro - Nursery Products	Contact Information: Venny Vasquez
PO Box 1439 Helendale, CA 92342	Site Manager 760-265-5210
	vvasquez@SYNAGRO.com
Pathogen Class: Class A EQ	
Do you have any deficiencies to report for this SSUID? □ YES ☑ NO □ UNKNOWN	
ID: <u>002</u>	
Amount: 5816.6	
Management Practice Detail: Other	
Other Management Practice Detail Description: EPA-permitted Class I Sludge Management Facility -	composting
Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer	
NPDES ID of handler:	
Facility Information: Liberty Compost	Contact Information: Patrick McCarthy
12421 Holloway Rd. Lost Hills., CA 93249	Site Manager 661-797-2914
	patrickmccarthy@mccarthyfarms.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.	

OCSD is attaching an abbreviated version of the electronic version of our annual report because file size is much larger than your 3MB limit. The original file is available at www.ocsd.com/503. We are also providing an electronic spreadsheet of our priority pollutants report. Please contact Deirdre Bingman if you have any questions: dbingman@ocsd.com 714.593.7459.

Additional Attachments

Name	Created Date	Size
2018_OCSD_Annual_Biosolids_Compliance_Report_503_compressed.pdf	01/29/2019 11:58 AM	1010.49 KB
Combined01-12-2018_P1_land_app_2mo_rpting_results.xlsx	01/29/2019 11:59 AM	332.04 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 have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete information submitted is other than true, accurate, and the information submitted is other than true, accurate, and the information submitted is other than true, accurate, and the information submitted is other than true, accurate, and the information is other than true, accurate, and the information submitted i

Certified By: Ronald J. Coss (CAL110604)

Certified On: 01/29/2019 1:41 PM

NPDES ID: CAL120604 Facility Status: Active

Facility Name: ORANGE COUNTY SD #2

10844 ELLIS AVENUE FOUNTAIN VALLEY, CA 92708-7018

View Annual Report



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

FORM Approved OMB No. 2040-0004

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 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.

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

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- . 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

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).

31805.4

Reporting Period Start Date: 01/01/2018

Reporting Period End Date: 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):

Anaerobic 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)

Other Processes to Manage Sewage Sludge:

Methane or Biogas Capture and Recovery

Analytical	Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period?

☑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 0010 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-NH3 Ammonia Nitrogen
 Standard Method 2540 Total Solids
- Standard Method 2540 Volatile Solids
- EPA Method 1311 Toxicity Characteristic Leaching
- EPA Method 9045 pH (> 7% solids)

Other Analytical Methods

 Other Nitrate Nitrogen Analytical Method

Other Analytical Methods Text Area:

EPA 300.0

Contact Information: Shaen Magan Owner 559-970-9432 kurt@westexp.com
Shaen Magan Owner 559-970-9432

Mon	itorin	o 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: 01/01/2018

Compliance Monitoring Period End Date: 01/31/2018

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)	If No Data, Select One Of The Following
Arsenic	=	14	
Cadmium	=	5.6	
Copper	=	430	
Lead	=	13	
Mercury	=	0.84	
Molybdenum	=	14	
Nickel	=	32	
Selenium	<	2.7	
Zinc	=	680	

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	13	
Cadmium	=	5.4	
Copper	=	390	
Lead	=	12	
Mercury	=	0.81	
Nickel	=	31	
Selenium	<	2.7	
Zinc	=	650	

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. 2	Compliance Monitoring Period Start Date: 02/01/2018	Compliance Monitoring Period End Date: 02/28/2018
Do you have analytical results to report for this monitoring per	iod? ☑YES □NO	
Are you reporting maximum pollutant concentrations that are be the case if you only collected and analyzed one sample of s		
□YES ☑NO		

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	13	
Cadmium	=	7.7	
Copper	=	510	
Lead	=	16	
Mercury	=	0.96	
Molybdenum	=	16	
Nickel	=	38	
Selenium	<	2.9	
Zinc	=	770	

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)	If No Data, Select One Of The Following	
Arsenic	J (Below RL but Above MDL)	13		
Cadmium	=	7.3		
Copper	=	510		
Lead	=	16		
Mercury	=	0.79		
Nickel	=	38		
Selenium	<	2.9		
Zinc	=	750		

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)	=	56000	

Compliance Monitoring Event No. 3	Complian	ce Monito	oring Period Start Date: 03/01/2018	Compliance Monitoring Period End Date: 03/31/2018
Do you have analytical results to report for this monitoring per	iod?	☑ 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)	If No Data, Select One Of The Following
Arsenic	=	15	
Cadmium	=	4.4	
Copper	=	440	
Lead	=	10	
Mercury	=	0.77	
Molybdenum	=	16	
Nickel	=	37	
Selenium	<	2.7	
Zinc	=	650	

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)	If No Data, Select One Of The Following	
Arsenic	J (Below RL but Above MDL)	12		
Cadmium	=	4.1		
Copper	=	380		
Lead	=	10		
Mercury	=	0.74		
Nickel	=	33		
Selenium	<	2.7		
Zinc	=	590		

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. 4	Compl	iance Monitoring Period Start Date: 04/01/2018	Compliance Monitoring Period End Date: 04/30/2018
o you have analytical results to report for th	is monitoring period?	☑ YES □ NO	
		nt to the monthly average pollutant concentrations folloge or biosolids for this compliance monitoring pr	or this compliance monitoring event? [For example, this wi
The case if you only collected and analyzed □ YES ☑ NO	i one sample of sewage s	studge of biosonas for this compliance monitoring pe	eriou.j
STEO SINO			
aximum Concentration Data for All Sewage	Sludge or Biosolids Appl	ied to Land	
accordance with 40 CFR 503.13(a) (http://ww sewage sludge sold or gave away sewage slu- ceiling pollutant limit (Table 1 of 40 CFR 503. section against the ceiling concentration limits events. All pollutant monitoring data should be	w.ecfr.gov/cgi-bin/text-idx? udge in a bag or other conto 13 (http://www.ecfr.gov/cgi- is in Table 1 of 40 CFR 503. e reported in milligrams per	ainer when one or more sewage sludge pollutant concer bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_ 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.50	regulations prohibit land application of bulk sewage sludge or
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basi	s) If No Data, Select One Of The Following
Arsenic	=	17	
Cadmium	=	3.6	
Copper	=	540	
ead	=	16	
Mercury	=	0.97	
Molybdenum	=	19	
Nickel	=	40	
Selenium	<	2.8	
Zinc	=	780	
onthly Average Pollutant Concentration Data This section summarizes the monthly average		••	d during the compliance monitoring period for this SSUID. All
pollutant monitoring data should be reported i	•	9 9 11	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basi	s) If No Data, Select One Of The Following
Arsenic	=	16	
Cadmium	=	3.5	
Copper	=	520	
_ead	=	16	
Mercury	=	0.92	
Nickel	=	39	
Selenium	<	2.8	

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

770

Zinc

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. 5	Compliance Monito	ring Period Start Date: 05/01/2018	Compliance Monitoring Period End Date: 05/31/2018
Do you have analytical results to report for this monitoring per	iod?	□NO	
Are you reporting maximum pollutant concentrations that are one the case if you only collected and analyzed one sample of s			

☐YES ☑NO

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	15	
Cadmium	=	2.6	
Copper	=	500	
Lead	=	15	
Mercury	=	0.78	
Molybdenum	=	17	
Nickel	=	33	
Selenium	<	2.7	
Zinc	=	710	

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)	If No Data, Select One Of The Following	
Arsenic	=	15		
Cadmium	=	2.5		
Copper	=	500		
Lead	=	15		
Mercury	=	0.77		
Nickel	=	33		
Selenium	<	2.7		
Zinc	=	680		

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	

ľ	Compliance Monitoring Event No. 0	Compliance Monit	ornig r eriou start bate.	Compliance Monitoring Feriod End Date. 00/30/2010
ı	Do you have analytical results to report for this monitoring per	riod?	□NO	
	Are you reporting maximum pollutant concentrations that are on the the case if you only collected and analyzed one sample of s ☐ YES ☑ NO	•	, , ,	,

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	21	
Cadmium	=	2.9	
Copper	=	490	
Lead	=	15	
Mercury	=	0.98	
Molybdenum	=	21	
Nickel	=	39	
Selenium	<	2.8	
Zinc	=	760	

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)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	20	
Cadmium	=	2.6	
Copper	=	440	
Lead	=	13	
Mercury	=	0.92	
Nickel	=	34	
Selenium	<	2.8	
Zinc	=	650	

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	

you have analytical results to report for this	s monitoring period?	☑YES □NO	
	•	ent to the monthly average pollutant concentrations for sludge or biosolids for this compliance monitoring peri	
timum Concentration Data for All Sewage S	ludge or Biosolids App	lied to Land	
accordance with 40 CFR 503.13(a) (http://www sewage sludge sold or gave away sewage slu- ceiling pollutant limit (Table 1 of 40 CFR 503.1 section against the ceiling concentration limits events. All pollutant monitoring data should be	v.ecfr.gov/cgi-bin/text-idx' dge in a bag or other con 3 (http://www.ecfr.gov/cgi in Table 1 of 40 CFR 503 reported in milligrams pe	piosolids or sewage sludge that was applied to land during the short of the pion of the pi	ulations prohibit land application of bulk sewage sludge or tions in the sewage sludge exceed a land application 3)). EPA will compare the pollutant concentrations in this
ewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
senic	=	20	
admium	=	2.9	
ppper	=	510	
ad	=	14	
ercury	-	0.92	
olybdenum	-	19	
ckel	=	35	
elenium	<	2.6	
nc	=	730	
nthly Average Pollutant Concentration Data	for All Sewage Sludge	or Biosolids Applied to Land	'

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	20	
Cadmium	=	2.8	
Copper	=	500	
Lead	=	14	
Mercury	=	0.76	
Nickel	=	33	
Selenium	<	2.6	
Zinc	=	700	

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	

Compliance Monitoring Event No. 8	Comp	oliance Monitoring Period Start Date: 08/01/2018	Compliance Monitoring Period End Date: <u>08/31/2018</u>
Oo you have analytical results to report for thi	s monitoring period?	☑YES □NO	
		lent to the monthly average pollutant concentrations for thi sludge or biosolids for this compliance monitoring period.	
☐YES ☑NO			
Maximum Concentration Data for All Sewage S	Sludge or Biosolids App	plied to Land	
sewaye siduye solu di yave away sewaye sid	idae in a haa or other cor	stainer when one or more sewage sludge pollutant concentration	une in the sewage cludge exceed a land application
section against the ceiling concentration limits events. All pollutant monitoring data should be Please only select a "No Data Indicator Code"	3 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50 e reported in milligrams p	ata for the sampling period or particular parameter.	EPA will compare the pollutant concentrations in this n=div5#se40.32.503_113) to identify noncompliance
section against the ceiling concentration limits events. All pollutant monitoring data should be	I3 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50: e reported in milligrams p if you are reporting no d	ji-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). 3.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg er kilogram (mg/kg), dry weight basis.	EPA will compare the pollutant concentrations in this
section against the ceiling concentration limits events. All pollutant monitoring data should be Please only select a "No Data Indicator Code" Sewage Sludge or Biosolids Parameter	3 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50: e reported in milligrams p if you are reporting no d	pi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). 3.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg er kilogram (mg/kg), dry weight basis. ata for the sampling period or particular parameter. Parameter Concentration (mg/kg, dry-weight basis)	EPA will compare the pollutant concentrations in this n=div5#se40.32.503_113) to identify noncompliance
section against the ceiling concentration limits events. All pollutant monitoring data should be Please only select a "No Data Indicator Code" Sewage Sludge or Biosolids Parameter Arsenic	13 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50; e reported in milligrams p if you are reporting no d Value Qualifier =	pi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). 3.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg er kilogram (mg/kg), dry weight basis. ata for the sampling period or particular parameter. Parameter Concentration (mg/kg, dry-weight basis) 24	EPA will compare the pollutant concentrations in this n=div5#se40.32.503_113) to identify noncompliance
section against the ceiling concentration limits events. All pollutant monitoring data should be Please only select a "No Data Indicator Code" Sewage Sludge or Biosolids Parameter Arsenic Cadmium	3 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50: e reported in milligrams p if you are reporting no d Value Qualifier	pi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). 3.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg er kilogram (mg/kg), dry weight basis. ata for the sampling period or particular parameter. Parameter Concentration (mg/kg, dry-weight basis) 24 4.7	EPA will compare the pollutant concentrations in this n=div5#se40.32.503_113) to identify noncompliance
section against the ceiling concentration limits events. All pollutant monitoring data should be Please only select a "No Data Indicator Code" Sewage Sludge or Biosolids Parameter Arsenic Cadmium Copper	3 (http://www.ecfr.gov/cg in Table 1 of 40 CFR 50; e reported in milligrams p if you are reporting no d Value Qualifier	pi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). 3.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rg er kilogram (mg/kg), dry weight basis. ata for the sampling period or particular parameter. Parameter Concentration (mg/kg, dry-weight basis) 24 4.7 560	EPA will compare the pollutant concentrations in this n=div5#se40.32.503_113) to identify noncompliance

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

Nickel

Zinc

Selenium

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.

46

2.7 810

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	23	
Cadmium	=	4.4	
Copper	=	550	
Lead	=	12	
Mercury	=	0.96	
Nickel	=	44	
Selenium	<	2.7	
Zinc	=	790	

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	Compl	ance Monitoring Period Start Date: 09/01/2018 Com	pliance Monitoring Period End Date: 09/30/2018
o you have analytical results to report for thi	s monitoring period?	☑ YES □NO	
		nt to the monthly average pollutant concentrations for this co ludge or biosolids for this compliance monitoring period.]	mpliance monitoring event? [For example, this will
□YES & NO	g		
aximum Concentration Data for All Sewage S	Bludge or Biosolids Appl	ied to Land	
accordance with 40 CFR 503.13(a) (http://www sewage sludge sold or gave away sewage slu ceiling pollutant limit (Table 1 of 40 CFR 503.1 section against the ceiling concentration limits events. All pollutant monitoring data should be	w.ecfr.gov/cgi-bin/text-idx? dge in a bag or other cont: 3 (http://www.ecfr.gov/cgi- in Table 1 of 40 CFR 503. reported in milligrams per	osolids or sewage sludge that was applied to land during the com node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulation siner when one or more sewage sludge pollutant concentrations in bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA 13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=di kilogram (mg/kg), dry weight basis.	s prohibit land application of bulk sewage sludge or the sewage sludge exceed a land application will compare the pollutant concentrations in this
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	21	
Cadmium	=	3.2	
Copper	=	580	
ead	=	15	
Mercury	=	1.2	
Molybdenum	=	18	
Nickel	=	41	
Selenium	<	2.6	
Zinc	=	780	
onthly Average Pollutant Concentration Data This section summarizes the monthly average pollutant monitoring data should be reported in	pollutant concentrations in	n the biosolids or sewage sludge that was applied to land during th	ne compliance monitoring period for this SSUID. All
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	20	
Cadmium	=	3.1	
Copper	=	570	
_ead	=	14	
Mercury	=	1	

		(33 , 7	
Arsenic	=	20	
Cadmium	=	3.1	
Copper	=	570	
Lead	=	14	
Mercury	=	1	
Nickel	=	41	
Selenium	<	2.6	
Zinc	=	770	

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. 10	Compilant	e Monito	ornig r eriou start bate. 10/01/2010	Compliance Monitoring Feriod End Date	10/31/2010
Do you have analytical results to report for this monitoring peri	od?	☑ YES	□NO		
Are you reporting maximum pollutant concentrations that are e	guivalent to	o the mo	nthly average pollutant concentrations for	his compliance monitoring event? [For ex	amnle this will

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)	If No Data, Select One Of The Following
Arsenic	=	24	
Cadmium	=	3.7	
Copper	=	550	
Lead	=	16	
Mercury	=	0.82	
Molybdenum	=	19	
Nickel	=	41	
Selenium	<	2.7	
Zinc	=	810	

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)	If No Data, Select One Of The Following
Arsenic	=	24	
Cadmium	J (Below RL but Above MDL)	2.7	
Copper	=	520	
Lead	=	15	
Mercury	=	0.81	
Nickel	=	39	
Selenium	<	2.7	
Zinc	=	760	

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)	=	51000	

Compliance Monitoring Event No. 11	Compliance World	toring Period Start Date: 11/01/2016	Compliance Monitoring Period End Date: 17/30/2018	
Do you have analytical results to report for this monitoring per	riod? ☑ YES	□NO		
Are you reporting maximum pollutant concentrations that are be the case if you only collected and analyzed one sample of s				

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)	If No Data, Select One Of The Following
Arsenic	=	24	
Cadmium	=	5.3	
Copper	=	530	
Lead	=	13	
Mercury	=	1.3	
Molybdenum	=	18	
Nickel	=	39	
Selenium	<	2.8	
Zinc	=	810	

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)	If No Data, Select One Of The Following
Arsenic	=	22	
Cadmium	=	4.7	
Copper	=	510	
Lead	=	13	
Mercury	=	1	
Nickel	=	39	
Selenium	<	2.7	
Zinc	=	770	

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. 12 Compliance Monitoring Period Start Date: 12/01/2018 Compliance Monitoring Period End Date: 12/31/2018

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)	If No Data, Select One Of The Following
Arsenic	=	18	
Cadmium	=	4.1	
Copper	=	470	
Lead	=	13	
Mercury	=	0.72	
Molybdenum	=	16	
Nickel	=	33	
Selenium	<	2.9	
Zinc	=	700	

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)	If No Data, Select One Of The Following
Arsenic	=	18	
Cadmium	=	4.1	
Copper	=	440	
Lead	=	13	
Mercury	=	0.65	
Nickel	=	33	
Selenium	<	2.9	
Zinc	=	690	

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)	=	58000	

ID: 002

Amount: 2788.2

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 – Arizona Soils Contact Information:

Craig

Geyer

5615 S. 9	11st	Avenue
Tolleson,	CA	85353

Area Manager 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 1 - Volatile Solids Reduction
 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=pit40.32.503&grg=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: 01/01/2018	Compliance Monitoring Period End Date: 01/31/2018
Do you have analytical results to report for this monitoring p	eriod? ☑ YES □ NO	
	equivalent to the monthly average pollutant concentrations for sewage sludge or biosolids for this compliance monitoring peri	

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)	If No Data, Select One Of The Following
Arsenic	=	4.5	
Cadmium	=	1.9	
Copper	=	400	
Lead	=	15	
Mercury	=	1.1	
Molybdenum	=	12	
Nickel	=	17	
Selenium	=	3.8	
Zinc	=	730	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	=	270	
Salmonella	<	1	

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	

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)	If No Data, Select One Of The Following
Arsenic	=	4.5	
Cadmium	=	1.9	
Copper	=	400	
Lead	=	15	
Mercury	=	1.1	
Nickel	=	17	
Selenium	=	3.8	
Zinc	=	730	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	31800	

Compliance Monitoring Event No. 2	Compliance Monitoring Period Start Date: 02/01/2018	Compliance Monitoring Period End Date: 02/28/2018
Do you have analytical results to report for this monitor	oring period? ✓ YES □ NO	
Are you reporting maximum pollutant concentrations t	that are equivalent to the monthly average pollutant concentrations	for this compliance monitoring event? [For example, this will
	nple of sewage sludge or biosolids for this compliance monitoring p	
GVEO CINO		•

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)	If No Data, Select One Of The Following
Arsenic	=	3.1	
Cadmium	=	0.98	
Copper	=	210	
Lead	=	7.1	
Mercury	=	1.2	
Molybdenum	=	7.3	
Nickel	=	10	
Selenium	=	3.1	
Zinc	=	350	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	=	87	
Salmonella	<	1	

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	=	48	

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)	If No Data, Select One Of The Following
Arsenic	=	3.1	
Cadmium	=	0.98	
Copper	=	210	
Lead	=	7.1	
Mercury	=	1.2	
Nickel	=	10	
Selenium	=	3.1	
Zinc	=	350	

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)	=	29500	

Compliance Monitoring Event No. 3	Compliance Monitoring Period Start Date: 03/01/2018	Compliance Monitoring Period End Date: 03/31/2018
Do you have analytical results to report for this monitoring	eriod? ☑YES □NO	
, , , , , , , , , , , , , , , , , , , ,	e equivalent to the monthly average pollutant concentrations for sewage sludge or biosolids for this compliance monitoring perion	

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)	If No Data, Select One Of The Following			
Arsenic	=	5.1				
Cadmium	=	1.8				
Copper	=	450				
Lead	=	31				
Mercury	=	1.3				
Molybdenum	=	17				
Nickel	=	21				
Selenium	=	6				
Zinc	=	860				

Pathogen And Vector Attraction Reduction

☑ YES □ NO

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	31	
Salmonella	<	1	

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	=	64	

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)	If No Data, Select One Of The Following
Arsenic	=	5.1	
Cadmium	=	1.8	
Copper	=	450	
Lead	=	31	
Mercury	=	1.3	
Nickel	=	21	
Selenium	=	6	
Zinc	=	860	

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	

	Comp	oliance Monitoring Perio	od Start Date: 04/01/2	2018 Comp	liance Monitoring Period End Date: 04/30/2018
you have analytical results to report for th	his monitoring period?	☑YES □NO			
you reporting maximum pollutant concer the case if you only collected and analyze					pliance monitoring event? [For example, this wi
☑ YES □ NO					
ximum Concentration Data for All Sewage	Sludge or Biosolids An	olied to I and			
This section summarizes the maximum pollu accordance with 40 CFR 503.13(a) (http://ww sewage sludge sold or gave away sewage sl ceiling pollutant limit (Table 1 of 40 CFR 503.	utant concentrations in the www.ecfr.gov/cgi-bin/text-ids ludge in a bag or other cor 1.13 (http://www.ecfr.gov/cg ts in Table 1 of 40 CFR 50 be reported in milligrams p	biosolids or sewage slud, c?node=pt40.32.503&rgn: ntainer when one or more ji-bin/text-idx?node=pt40 3.13 (http://www.ecfr.gov. er kilogram (mg/kg), dry v	=div5#se40.32.503_11 sewage sludge pollut .32.503&rgn=div5#se4 /cgi-bin/text-idx?node= weight basis.	3), EPA's regulations pant concentrations in the concentrations in the concentrations in the concentration of the	prohibit land application of bulk sewage sludge or
ewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concent	tration (mg/kg, dry-w	eight basis)	If No Data, Select One Of The Following
rsenic	=	5.7			
admium	=	1.9			
Copper	=	530			
ead	=	14			
1ercury	=	1.7			
lolybdenum	=	16			
lickel	=	23			
elenium	=	8.1			
inc	=	920			
thogen And Vector Attraction Reduction Report the maximum pathogen densities in the					
ewage Sludge or Biosolids Parameter		Value Qualifier	Value	If No Data, Selec	t One Of The Following
ecal Coliform		=	36		
Report the vector attraction reduction data fo				udge unit during the co	mpliance monitoring period for this SSUID
ewage Sludge or Biosolids Parameter	-	Value Qualifier	Value		t One Of The Following
				3444, 33160	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	5.7	
Cadmium	=	1.9	
Copper	=	530	
Lead	=	14	
Mercury	=	1.7	
Nickel	=	23	
Selenium	=	8.1	
Zinc	=	920	

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)	=	40900	

ompliance Monitoring Event No. 5	Cor	mpliance Monitoring Period S	Start Date: 05/01/2018	3 Comp	liance Monitoring Period End Date: 05/31/2018
o you have analytical results to report for thi	s monitoring period?	♥YES □NO			
re you reporting maximum pollutant concent e the case if you only collected and analyzed ☑ YES ☐ NO					npliance monitoring event? [For example, this wil
aximum Concentration Data for All Sewage S	Sludge or Biosolids A	pplied to Land			
sewage sludge sold or gave away sewage sluceiling pollutant limit (Table 1 of 40 CFR 503.1	w.ecfr.gov/cgi-bin/text-idge in a bag or other c 3 (http://www.ecfr.gov/ in Table 1 of 40 CFR 5 reported in milligrams	dx?node=pt40.32.503&rgn=dix ontainer when one or more se cgi-bin/text-idx?node=pt40.32. 503.13 (http://www.ecfr.gov/cgi oper kilogram (mg/kg), dry weig	v5#se40.32.503_113), wage sludge pollutant .503&rgn=div5#se40.3: i-bin/text-idx?node=pt4 ght basis.	EPA's regulations concentrations in t 2.503_113)). EPA v 0.32.503&rgn=div5	prohibit land application of bulk sewage sludge or
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentrat	tion (mg/kg, dry-weigl	nt basis)	If No Data, Select One Of The Following
Arsenic	=	5.1			
Cadmium	=	1.8			
Copper	=	440			
Lead =		15			
Mercury	=	0.99			
Molybdenum	=	15			
Nickel	=	20			
Selenium	=	6.6			
Zinc	=	840			
athogen And Vector Attraction Reduction Report the maximum pathogen densities in the	e sewage sludge or bic	osolids that was placed on an a	active sewage sludge u	nit during the com	pliance monitoring period for this SSUID.
Sewage Sludge or Biosolids Parameter		Value Qualifier	Value	If No Data, Selec	ct One Of The Following
Fecal Coliform <		<	28		
		<	1		
Salmonella					
Salmonella Report the vector attraction reduction data for	the biosolids or sewag	e sludge that was placed on a	n active sewage sludge	e unit during the co	ompliance monitoring period for this SSUID.

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)	If No Data, Select One Of The Following
Arsenic	=	5.1	
Cadmium	=	1.8	
Copper	=	440	
Lead	=	15	
Mercury	=	0.99	
Nickel	=	20	
Selenium	=	6.6	
Zinc	=	840	

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)	=	41800	

Compliance Monitoring Event No. 6	Compliance Monitoring Period Start Date: 06/01/2018	Compliance Monitoring Period End Date: 06/30/2018
Do you have analytical results to report for this monitoring	ng period?	
Are you reporting maximum pollutant concentrations tha	t are equivalent to the monthly average pollutant concentrations	for this compliance monitoring event? [For example, this will
	e of sewage sludge or biosolids for this compliance monitoring p	
EVES ENS	•	•

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)	If No Data, Select One Of The Following
Arsenic	=	2	
Cadmium	=	0.67	
Copper	=	150	
Lead	=	6.8	
Mercury	=	1.3	
Molybdenum	=	4	
Nickel	=	9.4	
Selenium	=	2.1	
Zinc	=	260	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	28	
Salmonella	<	1	

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	=	56	

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)	If No Data, Select One Of The Following
Arsenic	=	2	
Cadmium	=	0.67	
Copper	=	150	
Lead	=	6.8	
Mercury	=	1.3	
Nickel	=	9.4	
Selenium	=	2.1	
Zinc	=	260	

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)	=	37900	

Compliance Monitoring Event No. 7	Compliance Monitoring Period Start Date: 07/01/2018	Compliance Monitoring Period End Date: 07/31/2018
Compliance Monitoring Event No. 7	Compliance Worldoning Period Start Date. 07/01/2016	Compliance Monitoring Period End Date. 07/31/2016
Do have analysical results to remark for this recuitering	period?	
Do you have analytical results to report for this monitoring	period? W YES UNO	
	are equivalent to the monthly average pollutant concentrations of sewage sludge or biosolids for this compliance monitoring p	
be the case if you only conected and analyzed one sample	or sewage studge or biosolius for this compilance monitoring p	Jenou.]
✓ YES □ NO		

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	6.1	
Cadmium	=	2	
Copper	=	450	
Lead	=	16	
Mercury	=	1.8	
Molybdenum	=	16	
Nickel	=	24	
Selenium	=	7.2	
Zinc	=	810	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	29	
Salmonella	<	1	

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	

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)	If No Data, Select One Of The Following
Arsenic	=	6.1	
Cadmium	=	2	
Copper	=	450	
Lead	=	16	
Mercury	=	1.8	
Nickel	=	24	
Selenium	=	7.2	
Zinc	=	810	

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)	=	40400	

Compliance Monitoring Event No. 8	Compliance Monitoring Period Start Date: 08/01/2018	Compliance Monitoring Period End Date: 08/31/2018
De very have analytical results to remark for this result	toring period? ♥YES □NO	
Do you have analytical results to report for this moni	toring period?	
Are you reporting maximum pollutant concentrations	that are equivalent to the monthly average pollutant concentrations	for this compliance monitoring event? [For example, this will
be the case if you only collected and analyzed one sa	imple of sewage sludge or biosolids for this compliance monitoring p	eriod.]
☑ YES □ NO		

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_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)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	1.9	
Copper	=	510	
Lead	=	17	
Mercury	=	1.5	
Molybdenum	=	16	
Nickel	=	26	
Selenium	=	6.4	
Zinc	=	870	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	30	
Salmonella	<	1	

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	=	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)	If No Data, Select One Of The Following
Arsenic	=	6.2	
Cadmium	=	1.9	
Copper	=	510	
Lead	=	17	
Mercury	=	1.5	
Nickel	=	26	
Selenium	=	6.4	
Zinc	=	870	

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)	=	33400	

Compliance Monitoring Event No. 9	Compliance Monitoring Period Start Date: 09/01/2018	Compliance Monitoring Period End Date: 09/30/2018
Do you have analytical results to report for this monitoring pe	riod?	
	equivalent to the monthly average pollutant concentrations for sewage sludge or biosolids for this compliance monitoring peri	

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)	If No Data, Select One Of The Following
Arsenic	=	7.9	
Cadmium	=	3.3	
Copper	=	540	
Lead	=	26	
Mercury	=	1.1	
Molybdenum	=	17	
Nickel	=	26	
Selenium	=	6.5	
Zinc	=	850	

Pathogen And Vector Attraction Reduction

☑ YES □ NO

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	33	
Salmonella	<	1	

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)	If No Data, Select One Of The Following
Arsenic	=	7.9	
Cadmium	=	3.3	
Copper	=	540	
Lead	=	26	
Mercury	=	1.1	
Nickel	=	26	
Selenium	=	6.5	
Zinc	=	850	

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)	=	46300	

Compliance Monitoring Event No. 10	Compliance Monitoring Period Start Date: 10/01/2018	Compliance Monitoring Period End Date: 10/31/2018
Do you have analytical results to report for this monitoring p	riod?	

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)	If No Data, Select One Of The Following			
Arsenic	=	4.9				
Cadmium	=	1.2				
Copper	=	200				
Lead	=	7.1				
Mercury	=	1.2				
Molybdenum	=	7.3				
Nickel	=	9.5				
Selenium	=	2.3				
Zinc	=	330				

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	30	
Salmonella	<	1	

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	=	53	

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)	If No Data, Select One Of The Following
Arsenic	=	4.9	
Cadmium	=	1.2	
Copper	=	200	
Lead	=	7.1	
Mercury	=	1.2	
Nickel	=	9.5	
Selenium	=	2.3	
Zinc	=	330	

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)	=	46100	

compliance Monitoring Event No. 11	Com	pliance Monitoring Period St	art Date: 11/01/201	8 Comp	pliance Monitoring Period End Date: 11/30/2018
o you have analytical results to report for th	is monitoring period?	☑YES □NO			
re you reporting maximum pollutant concen e the case if you only collected and analyzed					npliance monitoring event? [For example, this w
¥YES □NO		· ·	·		
aximum Concentration Data for All Sewage	Sludge or Biosolids Ap	plied to Land			
sewage sludge sold or gave away sewage sluceiling pollutant limit (Table 1 of 40 CFR 503.	w.ecfr.gov/cgi-bin/text-id udge in a bag or other co 13 (http://www.ecfr.gov/c s in Table 1 of 40 CFR 50 e reported in milligrams	x?node=pt40.32.503&rgn=div5: ntainer when one or more sewa gi-bin/text-idx?node=pt40.32.5f)3.13 (http://www.ecfr.gov/cgi-b per kilogram (mg/kg), dry weigh	#se40.32.503_113), age sludge pollutant p3&rgn=div5#se40.3 in/text-idx?node=pt4 t basis.	EPA's regulations concentrations in 2.503_113)). EPA 0.32.503&rgn=div	prohibit land application of bulk sewage sludge or
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentratio	n (mg/kg, dry-weig	ht basis)	If No Data, Select One Of The Following
Arsenic	=	6.4			
Cadmium	=	2			
Copper	=	510			
_ead	=	19			
Mercury	=	1.3			
Molybdenum	=	17			
Nickel	=	26			
Selenium	=	7.3			
Zinc	=	880			
thogen And Vector Attraction Reduction Report the maximum pathogen densities in the	ne sewage sludge or bios	solids that was placed on an act	ive sewage sludge	unit during the com	pliance monitoring period for this SSUID.
Sewage Sludge or Biosolids Parameter		Value Qualifier	Value	If No Data, Sele	ct One Of The Following
Fecal Coliform		<	29		

Sewage Sludge or Biosolids Parameter	Value Qualifier	Value	If No Data, Select One Of The Following
Fecal Coliform	<	29	
Salmonella	<	1	

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	=	56	

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)	If No Data, Select One Of The Following
Arsenic	=	6.4	
Cadmium	=	2	
Copper	=	510	
Lead	=	19	
Mercury	=	1.3	
Nickel	=	26	
Selenium	=	7.3	
Zinc	=	880	

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)	=	38600	

Compliance Monitoring Event No. 12	Compliance Monitoring Period Start Date: 12/01/2018	Compliance Monitoring Period End Date: 12/31/2018
Do you have analytical results to report for this monitoring pe	riod? ☑YES □NO	
	equivalent to the monthly average pollutant concentrations for sewage sludge or biosolids for this compliance monitoring perion	

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)	If No Data, Select One Of The Following
Arsenic	=	8.1	
Cadmium	=	3.7	
Copper	=	510	
Lead	=	18	
Mercury	=	1.4	
Molybdenum	=	15	
Nickel	=	26	
Selenium	=	5.7	
Zinc	=	800	

Pathogen And Vector Attraction Reduction

Report the maximum pathogen densities in the sewage sludge or biosolids 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
Fecal Coliform	<	33	
Salmonella	<	1	

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	=	52	

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)	If No Data, Select One Of The Following
Arsenic	=	8.1	
Cadmium	=	3.7	
Copper	=	510	
Lead	=	18	
Mercury	=	1.4	
Nickel	=	26	
Selenium	=	5.7	
Zinc	=	800	

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)	=	33600	

Sludge Management - Surface Disposal	
Sludge Management - Incineration	

Sludge Management - Other Management Practice	
ID: <u>003</u>	
Amount: 4688.2	
Management Practice Detail: Other	
Other Management Practice Detail Description: EPA-permitted Class I Sludge Management facility -	composting
Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer	
NPDES ID of handler:	
Facility Information: Synagro - Nursery Products PO Box 1439 Helendale, CA 92342	Contact Information: Venny Vasquez Site Manager 760-265-5210 vvasquez@SYNAGRO.com
Pathogen Class: Class A EQ	
Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN	
ID: <u>004</u>	
Amount: <u>2824.3</u>	
Management Practice Detail: Other	
Other Management Practice Detail Description: EPA-permitted Class I Sludge Management facility -	composting
Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer	
NPDES ID of handler:	
Facility Information: Liberty Compost	Contact Information: Patrick McCarthy
Liberty Compost 12421 Holloway Rd.	Patrick McCarthy Site Manager 661-797-2914
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249	Patrick McCarthy Site Manager 661-797-2914
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ	Patrick McCarthy Site Manager 661-797-2914
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? □ YES ♥ NO □ UNKNOWN	Patrick McCarthy Site Manager 661-797-2914
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID?	Patrick McCarthy Site Manager 661-797-2914
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? YES NO UNKNOWN ID: 005 Amount: 2483.3	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? YES NO UNKNOWN ID: 005 Amount: 2483.3 Management Practice Detail: Other	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? YES NO UNKNOWN ID: 005 Amount: 2483.3 Management Practice Detail: Other Other Management Practice Detail Description: EPA-permitted Class I Sludge Management facility -	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? YES NO UNKNOWN ID: 005 Amount: 2483.3 Management Practice Detail: Other Other Management Practice Detail Description: EPA-permitted Class I Sludge Management facility - Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID? YES NO UNKNOWN ID: 005 Amount: 2483.3 Management Practice Detail: Other Other Management Practice Detail Description: EPA-permitted Class Sludge Management facility - Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer NPDES ID of handler: Facility Information: Inland Empire Regional Composting Authority 12645 6th Street	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com composting Contact Information: Jeff Ziegenbein Facility Manager 909-993-1981
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Pathogen Class: Class A EQ Do you have any deficiencies to report for this SSUID?	Patrick McCarthy Site Manager 661-797-2914 patrickmccarthy@mccarthyfarms.com composting Contact Information: Jeff Ziegenbein Facility Manager 909-993-1981

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

OCSD is attaching an abbreviated version of the electronic version of our annual report because file size is much larger than your 3MB limit. The original file is available at www.ocsd.com/503. We are also providing the certified monthly compliance reports that contain the data that is reported into your database. Please contact Deirdre Bingman if you have any questions: dbingman@ocsd.com 714.593.7459.

Additional Attachments

Name	Created Date	Size
2018_OCSD_Annual_Biosolids_Compliance_Report_503_abbreviated.pdf	01/29/2019 12:03 PM	1010.49 KB

Certification Information

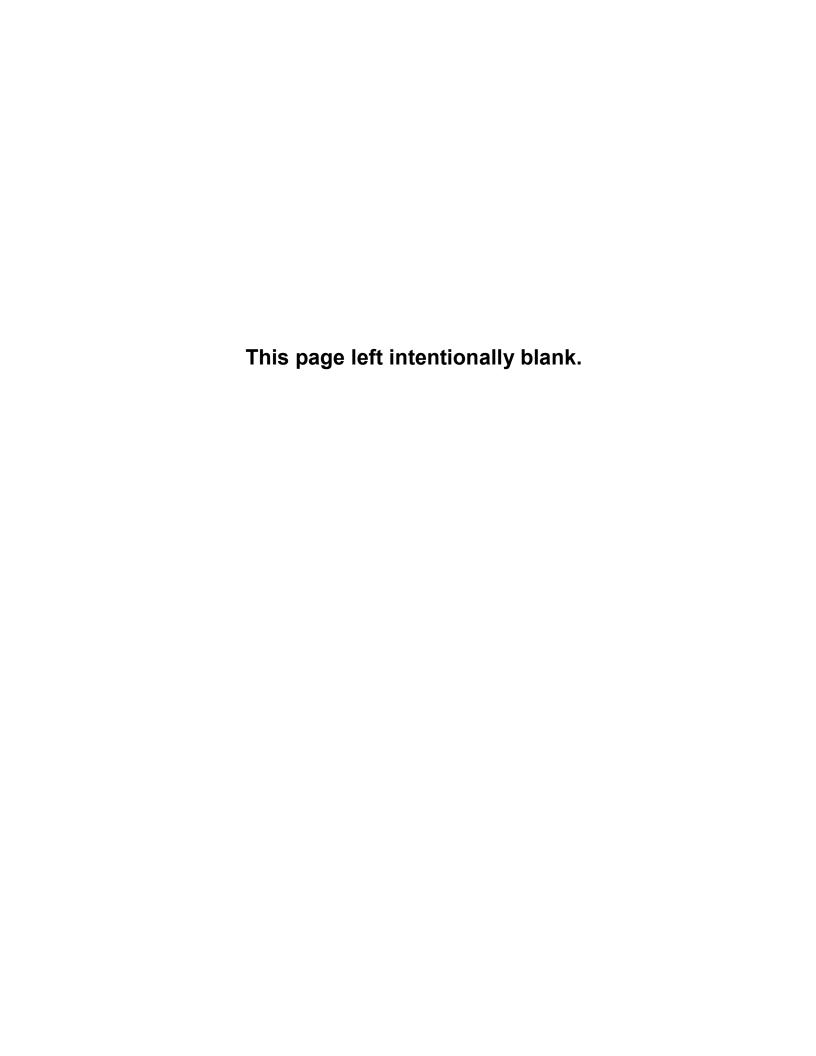
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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: Ronald J. Coss (CAL110604)

Certified On: 01/29/2019 1:42 PM



Arizona Department of Environmental Quality Biosolids Annual Report Form for Reporting Year 2018





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 RE	PORT FORM			
1. Program Information: All preparers (Generato	ers) and Land Applicators Must complete the following.			
Reporting Start Date:1/1/2018	Reporting End Date: 12/31/2018			
Date:2/1/2018	AZPDES Permit # (if applicable):Click here to enter text.			
Company name (Preparer / Applicator): Orange County Sa	nitation District, Plant No. 1 and Plant No. 2			
Contact Name: Ross Coss	Title: Laboratory, Monitoring and Compliance Manager			
Address: 10844 Ellis Ave., Fountain Valley, CA 92708				
Phone: 714-593-7508	E-mail: rcoss@ocsd.com			
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)?			
56,010				
Were all biosolids removed from your facility sent to a landf	ill for disposal? No			
If yes, provide the name and address of the landfill(s). Click	nere to enter text.			
If all biosolids or sewage sludge was sent to a landfill for this form, as it is only applicable to facilities preparing l	or disposal, you do not need to complete the remainder of bisolids or sewage sludge for land application.			
	iptions, have been made under my direction and supervision and under a system ne information used to determine whether the applicable biosolids requirements ortification including the possibility of fine and imprisonment.			
Signature:	Date: 29 Jan 2019			
Laboratory Montering or Compleance Man	776			

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
	\square Biosolids are stored in lined lagoons or impoundments
	\square Biosolids stored directly on the ground
	Physical Treatment Processes
	☑ Preliminary Operations (e.g. sludge grinding, degritting, blending)
	☐ Thickening (e.g. gravity floatation, centrifugation, belt filter press, vacuum filter)
	☐ Sludge lagoon
	Pathogen Reduction Operations (PSRP)
	☐ Aerobic Digestion
	☐ Air Drying (or "sludge drying beds")
	□ Anaerobic Digestion
	☐ Lower Temperature Composting
	☐ Lime Stabilization
	Process to Further Reduce Pathogens (PFRP)
	☐ Higher Temperature Composting
	\square Heat Drying (e.g. flash dryer, spray dryer, rotary dryer)
	\Box Heat Treatment (Liquid sewage sludge is heated to temp of 356 °F (180 °C) or higher for 30 minutes
	☐ Thermophilic Aerobic Digestion
	☐ Beta Ray Irradiation
	☐ Gamma Ray Irradiation
	☐ Pasteurization

- 3. Generators/Preparers: Disposition of Biosolids or Sewage Treatment Sludge:
- 3.1 At the beginning of the year, did you have any biosolids or sewage sludge stored on site or remaining from previous years? Include any amount that is being stored anywhere. No

If yes provide the following information:

	CLASS A Biosolids	Class B Biosolids		
Dry Ton Weight	Click here to enter text.	Click here to enter text.		
Pathogen Testing	Choose an item.	Not applicable		
Pathogen Reduction Method	Choose an item.	Choose an item.		
Vector Attraction Reduction Method	Choose an item.	Choose an item.		
Storage Locations	Click here to enter text.	Click here to enter text.		

3.2 At the end of the year, are any biosolids or sewage sludge stored on site? No

If yes, provide the following information:

	CLASS A Biosolids	Class B Biosolids		
Dry Ton Weight	Click here to enter text.	Click here to enter text.		
Pathogen Testing	Choose an item.	Not applicable		
Pathogen Reduction Method	Choose an item.	Choose an item.		
Vector Attraction Reduction Method	Choose an item.	Choose an item.		
Storage Locations	Click here to enter text.	Click here to enter text.		

3.3 Were biosolids or sewage sludge received from another facility during the year, such as another wastewater treatment plant or another APP permitted facility for further processing? No

If yes provide the following information for each facility. Click the plus sign to create as many tables as needed.

Name of Facility		
Location:		
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.4. Were biosolids removed from your facility for land application? Include all recipients, including haulers, name, phone number, land applicators, composters, drying facilities, EQB bagging facilities, bulk composting, etc.

Name of Facility	Tule Ranch / Ag-Tech					
Management Practice Type:	Agricultural Land application					
Handler or Preparer Type:	Off-Site Third-Party Handler or Pre	parer				
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.	21,960				
Pathogen Testing	Choose an item.	Not applicable				
Pathogen Reduction Method	Choose an item. Alternate 5 - anaerobic d					
Vector Attraction Reduction Method	Choose an item.	Option 1 - mass reduction				
Storage Locations	Click here to enter text.	Click here to enter text.				

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 OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.

Beryllium	Other Beryllium	See attached OCSD Biosolids	EPA Method 6010 - Beryllium
	Analytical Method	Management Compliance Report, Appendix C.	
Cadmium	EPA Method 6010 - Cadmium (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Chromium	EPA Method 6010 - Chromium (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A and C.	Click here to enter text.
Copper	EPA Method 6010 - Copper (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Lead	EPA Method 6010 - Lead (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Mercury	EPA Method 7471 - Mercury (CVAA)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Molybdenum	EPA Method 6010 - Molybdenum (ICP- OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Nickel	EPA Method 6010 - Nickel (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Selenium	EPA Method 6010 - Selenium (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Zinc	EPA Method 6010 - Zinc (ICP-OES)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Nitrogen Compounds			
Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.
Nitrate Nitrogen	Other Nitrate Nitrogen Analytical Method	See attached OCSD Biosolids Management Compliance	EPA 300.0

		Report, appendices A, C, and E.				
Nitrogen	Standard Method 4500-N - Nitrogen	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.			
Organic Nitrogen	Other Organic Nitrogen Analytical Method	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Calculation			
Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	Click here to enter text.			
Other Analytes						
Fixed Solids	No Analytical Method Used	Click here to enter text.	Click here to enter text.			
Paint Filter Test	No Analytical Method Used	Click here to enter text.	Click here to enter text.			
рН	EPA Method 9045 - pH (> 7% solids)	See attached OCSD Biosolids Management Compliance Report, appendices A, C, and E.	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 OCSD Biosolids Management Compliance Report, Appendix C.	Click here to enter text.			
Temperature	No Analytical Method Used	See attached OCSD Biosolids Management Compliance Report, Appendix A.	Click here to enter text.			
Total Solids	Standard Method 2540 - Total Solids	See attached OCSD Biosolids Management Compliance Report, Appendix A.	Click here to enter text.			
Volatile Solids	Standard Method 2540 - Volatile Solids	See attached OCSD Biosolids Management Compliance Report, Appendix A.	Click here to enter text.			
No Analytical Methods Used	Choose an item.	Click here to enter text.	Click here to enter text.			

ADEQ Arizona Department of Environmental Quality

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

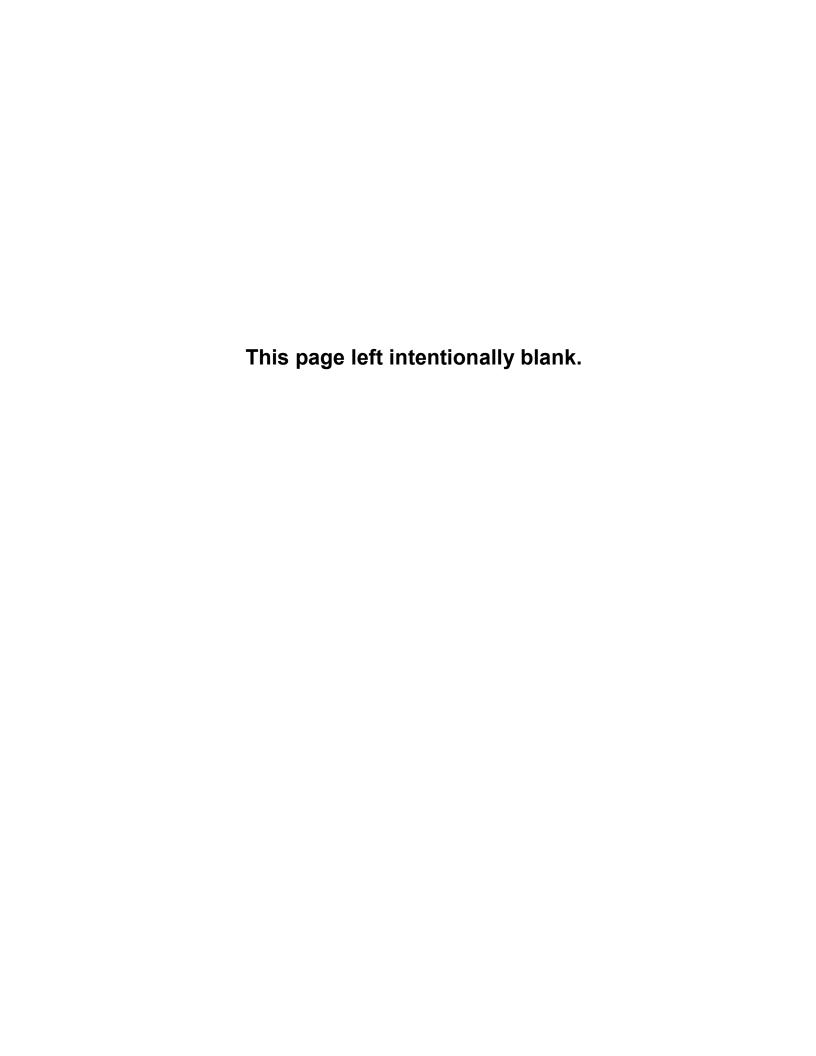
AZPDES Individual Permits Unit
1110 W Washington Street
Phoenix, Arizona 85007
(602) 771-4689 (voicemail) (602) 771-4505 (fax)

Email to: biosolids@azdeq.gov

Application Site / Location	Field ID	Amount of Biosolids Applied (in dry tons)	Preparer	Treatment // Method		Rate	Nitrogen Conc. (Organic + ammonium)	Type of Crop Grown After Application	Agronomic Rate of Crop Grown	The <u>Cumulative</u> Concentration of Pollutants (kilograms per hectare) in Soil				
Example: ABC Farms, Aztec AZ	1A	350 tons	Aztec WWTP	Class B Alt. 2	Optíon 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.
	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	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.
	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	Cr=Click here to	Cu=Click here to	Pb=Clic

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.
	text.		text.			text.				Hg=Click here to enter text.	Mo=Click here to enter text.	Ni=Click here to enter text.	Se=Click here to enter text.	Zn=Click here to enter text.
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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.
	icht.									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



The history of OCSD'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, OCSD entered into a long-term contract with Goldenwest Fertilizer
 Co., Inc., a local fertilizer manufacturer, who hauled and composted the
 sludge off site. OCSD 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, OCSD 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): OCSD established an air drying/composting site at Coyote Canyon landfill. OCSD 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, OCSD 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 OCSD, land-based disposal and beneficial reuse were the study's preferred alternatives.

However, co-combustion and enclosed mechanical in-vessel composting alternatives at OCSD's Reclamation Plant No. 1 were added to OCSD's LA/OMA supplemental study when the recommended composting facilities were evaluated as being difficult to site.

- In 1978 and 1983, OCSD 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, OCSD 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, OCSD's Boards of Directors submitted a new Residual, Solids Management Plan to the EPA. The plan included both short- and long-tern 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 OCSD'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, OCSD 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, OCSD 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: OCSD will continue to promote multiple, beneficial reuse alternatives for sludge and strive to increase beneficial reuse from 60% to 100%. We will develop at least one in-county land disposal alternative as a backup to guarantee long-term reliability." The goals are summarized below:
 - Continue discussions with the County of Orange pertaining to landfill ·codisposal options;
 - Pursue co-disposal options at out-of county landfills;
 - Continue and/or expand use of private contracts to reuse or dispose of sludge;
 - Pursue with Orange County Environmental Management Agency staff the use of sludge as the final cover for Coyote canyon's closure;

- Monitor the status of the:
- Initiate a regular status review of OCSD management program that would provide centralized information in one location; and
- Hire a full-time sludge manager to coordinate OCSD' 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, OCSD recycled about 50% of their sludge from 1988-1991.
- 1990: About 50% of the sludge is processed into compost by L. Curti Trµck & 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 the Districts' 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 will be replaced by
 centrifuges, the DAFTs will be replaced by thickening centrifuges, and truck
 loading will be rehabilitated.
- Beginning in Beginning in November 1991, the Districts' Biosolids Management Program achieved a milestone of 100% beneficial reuse. Beneficial reuse allows the Districts 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 been a reduction in disposal costs. Beneficial reuse costed the Districts less than landfilling and was expected to become even more cost effective in the future as the market for compost material grows. About 73% of the biosolids are processed into compost by Pima Gro Systems, Inc. at the Riverside Recyc compost facility. The remaining 23% is 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 the OCSD'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 OCSD 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 farm lands.
- 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.

The Districts also entered into a one-year pilot project contract with Waste Conversion Industries, Inc. (WCI) to chemically treat and heat dry the Districts' biosolids at their Corona, California site. Due to mechanical difficulties, WCI was not able to process any of the Districts' biosolids.

During fiscal year 1996-97, the Districts' biosolids management cost was reduced by approximately \$1 million from that of fiscal year 1995-96. New and amended biosolids management contracts as well increased efficiency in the Districts' belt operation contributed to the decrease in biosolids management costs. Upon the expiration of the Ag Tech contract and the termination of the Hondo contract, the Districts 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 Districts' 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 the Districts 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 OCSD'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, OCSD 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 OCSD's biosolids its farm at a reduced cost per ton.
- In 2001, Synagro purchased Pima Gro and Bio Gro, and OCSD added Yakima as a contractor. One-hundred percent beneficial reuse 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 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, OCSD 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 District's biosolids material beneficially reused in land application operations during 2002. The District discontinued its use of the Yakima Co. for management of its biosolids

in early January 2003. The facility was later shut-down by the County of La Paz and a lawsuit was won against the County by Yakima for \$9.2 million in damages.

- In 2002, OCSD's Board of Directors voted to increase the level of treatment to full-secondary treatment requirements, which produced significantly more biosolids, especially between 2002 to 2005, until the new dewatering centrifuges could be constructed and implemented at each plant (2018-2020). OCSD's focus through the 2000's was on building the water-side capital facilities to meet this increased level of service.
- In 2003, OCSD continued to encourage contractors to diversify its biosolids options, especially in Arizona and Nevada. OCSD started using Arizona Soils in La Paz County, Arizona on a regular basis. OCSD additionally piloted Tule Ranch's subcontractor, Universal, to utilize farms in Wellton and Dateland, Arizona for land application of about 6% of OCSD'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, OCSD 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 OCSD to render biosolids into a treated soil product.

By March 2004, OCSD pulled out of Nye 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.

OCSD concluded its use of Solid Solutions in 2005 when it was clear that the Soil Products facility would not materialize.

- In December 2003, OCSD 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 OCSD'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 OCSD-owned product manufacturing facility, limit the size to one-half of the total biosolids production.
- Explore funding options for in-county facilities (private capital, OCSD capital, or both).
- Allocate up to 10 percent of biosolids for participation in emerging markets.
- Pursue Orange County-based product manufacturing facilities and maximize the use of horticultural products within the OCSD service area by member agencies and through developing public-private partnerships.
- o Maintain capacity and options at OCSD's Central Valley Ranch.
- Pursue failsafe backup options (landfilling, alternative daily cover for landfills, and dedicated landfilling) to acquire a 100 percent contingency capacity.
- From November 1991 through December 2004, OCSD achieved 100
 percent beneficial reuse of its biosolids mostly through the use of land
 application with some composting.
- In 2004, OCSD started ramping up the land application in Arizona through Tule Ranch's Dateland operation, from about 10% in 2003 to 20% in 2004.
 OCSD also ramped up it's use of compost sites in California and Arizona from about 7% in 2003 to 20% in 2004.
- In January 2005 and 2006, OCSD 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 OCSD land application (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 OCSD's contract that guaranteed at least 250 tons per day to Synagro's new facility, OCSD'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 OCSD's portfolio with half of that as lime-stabilized Class A in Kern County and half as Class B in Yuma County, Arizona.

- In March 2007, OCSD stopped actively using landfills and maintained this
 option only as a failsafe backup. OCSD re-gained its 100 percent recycling
 performance from 2008 through 2012 (excluding some digester cleanings).
- In August 2007, the Orange County Water District'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 in purifying the water to meet drinking water standards. OCWD uses microfiltration and reverse osmosis. The water is used as a barrier for salt water intrusion and to recharge groundwater basins starting in January 2008. About 100 MGD of OCSD's secondary effluent produced about 70 MGD of purified water for reuse. Secondary effluent not sent to OCSD is sent as usual to Plant No. 2 to blend with treated wastewater from Plant No. 2 prior to ocean discharge through OCSD'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 OCSD's secondary treated water from Plant No. 1 to meet drinking water standards. OCSD 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 OCSD 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, OCSD stopped using Tule Ranch's Kern County. 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. OCSD's Kings County property was sold in December 2011.
- As part of the 2003 Long Range Biosolids Management Plan implementation, OCSD 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. OCSD 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, OCSD terminated its contract with EnerTech effective July 2012. OCSD re-allocated the EnerTech loads to our two remaining contractors, Synagro (composting) and Tule Ranch (land application), at about 50% each.

- March 2009, OCSD began diverted 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 are mixed with the influent wastewater. OCSD built a new pump station at Plant No. 1, the Steve Anderson Lift Station, on order 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. OCSD diverted the cationic dewatering filtrate to protect GWRS from the dewatering polymers. The sludge diversion is anticipated to continue until the new sludge thickening and dewatering facility (P1-101) at Plant No. 1 is operational in 2018 per the current CIP schedule.
- In March 2010, OCSD sent a demonstration load to the City of Los Angeles Terminal Island Renewable Energy (TIRE) project via OCSD's contract with Tule Ranch. OCSD 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 OCSD 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, OCSD 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 (<u>www.ocsd.com/CIPAnnual</u>) summarizes the projects and their progress.

- In February and March 2012, OCSD'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. OCSD'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, OCSD executed an agreement with Orange County Waste and Recycling (OCWR) to manage up to100 tons per day of OCSD's biosolids at the Prima Deshecha landfill located in the city of San Juan Capistrano, California. This alternative provides OCSD a local biosolids management option during projected peak biosolids production period until 2017.

As a result of the landfill start-up in 2013, OCSD is recycling 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. OCSD sends the landfill about 1 truck per day of grit and screenings (non-recyclable material) and 3 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 OCSD Biosolids Policy Board Resolution 13-03: ocsd.com/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 OCSD remained on hiatus. In February 2017, OCSD 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 OCSD member agency. The City is required by CalRecycle to divert 50% of its solids waste from the landfill. Since OCSD is located 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, OCSD 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, OCSD completed a comprehensive Biosolids Master Plan (ocsd.com/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, OCSD will install a food waste receiving station at Plant No. 2. 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 interim food waste facility is expected to be online in 2021, and the new digestion complex is expected to start-up in 2030.

The Master Plan also reviewed and updated the former program guiding principles. and formalized an updated set as the <u>"Ten Tenets of OCSD's Biosolids Management Plan."</u> See the report text for a list of the tenets and OCSD'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, OCSD 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, OCSD 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 and ten percent 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 OCSD intends this demonstration will show the assimilative capacity of biosolids that is not reflected in the laboratory analysis. If successful, this demonstration will also show that the plants survive and thrive when the laboratory analyses counterindicate biosolids because the analyses do not necessarily directly correlate to the actual field performance, and because biosolids is a more complicated blend of compounds that allow assimilative bonds that have remediating effects.
- Upon ceasing the use of the local landfill in late 2016, OCSD has subsequently achieved 100% beneficial recycling of all biosolids, including digester cleanings.

- Between 2017 and 2018, OCSD's cleaned record twelve (12) digesters using maintenance contracts. The contract is expected to be renewed and clean more digesters in 2019-2020:
 - Plant No. 1 Digesters 6, 7, and 8
 - Plant No. 2 Digesters C, E, H, L, M, N, P, R, and T.
- OCSD is commissioning new dewatering centrifuge facilities at Plant No. 1 and at Plant No. 2 that will replace the existing belt filter presses. The total percent solids of dewatered biosolids is anticipated to increase significantly in 2019, resulting in approximately one-third fewer wet-weight solids and biosolids trucks to manage. The Plant No. 1 project is also installing predigestion centrifuges to thicken primary and secondary solids, so the existing dissolved air floatation thickening units will be decommissioned. Additionally, the project includes the rehabilitation of the Plant No. 1 truck loading facility. The Plant No. 1 dewatering centrifuges started processing solids intermittently in November 2018. Both plants' projects are anticipated to be complete in 2019.
- The Irvine Ranch Water District (IRWD) currently discharges its untreated solids (sludge) to OCSD. IRWD is constructing their own solids treatment facility and plans to cease sending their solids to OCSD when IRWD completes start-up of new solids handling facilities, which is now estimated for years 2019-2020. This cessation is anticipated to reduce Plant No. 1's influent solids by 10-15%.

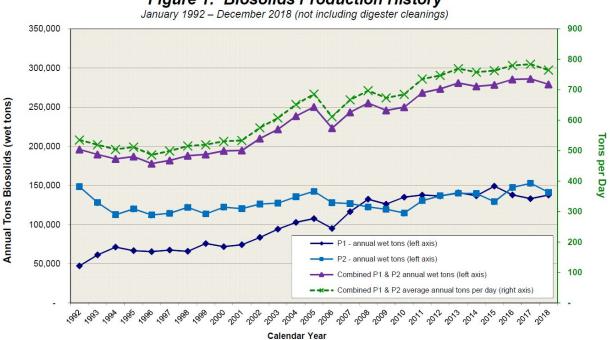


Figure 1: Biosolids Production History



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