

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_t328gn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&gn=div5#se40.32.503_t18), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40.32.503&gn=div5#se40& bin/text.idx?node=pt40.32.503&gr=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&gr=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 sevage 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 sevage 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.

Facility Information

Facility Name: VICTOR VALLEY WRA WWTP

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 POTW with a design flow rate equal to or greater than one million gallons per day

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? IF YES □ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons). 4648.25

Reporting Period Start Date: 01/01/2018

Reporting Period End Date: 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP): Air Drying (or sludge drying beds) 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) Sludge Lagoon

Other Processes to Manage Sewage Sludge: Temporary Sludge Storage (sewage sludge stored on land 2 years or less, not in sewage sludge unit) Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? I YES □ NO

Analytical Methods

- EPA Method 6020 Arsenic (ICP-MS)
- EPA Method 6020 Cadmium (ICP-MS)
- EPA Method 6020 Chromium (ICP-MS) .
- EPA Method 6020 Copper (ICP-MS) EPA Method 6020 - Lead (ICP-MS)
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- EPA Method 7471 Mercury (CVAA) EPA Method 6020 Molybdenum (ICP-MS)
- EPA Method 6020 Nickel (ICP-MS)
- EPA Method 6020 Selenium (ICP-MS)
- EPA Method 6020 Zinc (ICP-MS) EPA Method 6020 Beryllium (ICP-MS)
- EPA Method 351.2 Total Kjeldahl Nitrogen
- Standard Method 4500-NH3 Ammonia Nitrogen
- ASTM Method D4994 Enteric Viruses EPA Method 1681 - Fecal Coliform
- EPA Method 1682 Salmonella

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Option 7 - Drying (Equal to or Greater than 75 Percent) 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	Sewage	Sludge or Biosolids Vector Attraction Reduction Options:	
Monitoring Data	CFR 503	3.13?	f 40
	Monit	toring 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	rr th	nonitoring 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 hat was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.eofr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant	t

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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 tors (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.grgn=div5#se40.32.503_116)). Compliance Monitoring Period Start Date: 04/01/2018 Compliance Monitoring Period End Date: 04/30/2018

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.]

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 celling 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 celling 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)). EPA will compare the pollutant concentrations in this section against the celling 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			F (No Sampling or Analysis Conducted - Other Reason)
Cadmium			F (No Sampling or Analysis Conducted - Other Reason)
Copper			F (No Sampling or Analysis Conducted - Other Reason)
Lead			F (No Sampling or Analysis Conducted - Other Reason)
Mercury			F (No Sampling or Analysis Conducted - Other Reason)
Molybdenum			F (No Sampling or Analysis Conducted - Other Reason)
Nickel			F (No Sampling or Analysis Conducted - Other Reason)
Selenium			F (No Sampling or Analysis Conducted - Other Reason)
Zinc			F (No Sampling or Analysis Conducted - Other Reason)

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	=	35.3	
Salmonella	<	0.3	
Enteric Viruses	<	1	
Helminth Ova	<	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	=	93.1	

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

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

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic			F (No Sampling or Analysis Conducted - Other Reason)
Cadmium			F (No Sampling or Analysis Conducted - Other Reason)
Copper			F (No Sampling or Analysis Conducted - Other Reason)
Lead			F (No Sampling or Analysis Conducted - Other Reason)
Mercury			F (No Sampling or Analysis Conducted - Other Reason)
Nickel			F (No Sampling or Analysis Conducted - Other Reason)
Selenium			F (No Sampling or Analysis Conducted - Other Reason)
Zinc			F (No Sampling or Analysis Conducted - Other Reason)

ewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration			o Data, Select One Of The Following
Report the average concentration (mg/kg, dry w monitoring period for this SSUID.	eight basis) of Total Ni	trogen (TKN plus Nitrate-Nitri	te, as N) in the sewa	ge sludge or biosolids t	hat was applied to land during the compliance
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration	n (mg/kg, dry-weigh	t basis) If N	o Data, Select One Of The Following
otal Nitrogen (TKN plus Nitrate-Nitrite)				F (N	lo Sampling or Analysis Conducted - Other Reason)
mpliance Monitoring Event No. 2	Cor	npliance Monitoring Period	Start Date: 06/01/2	J18 Comp	liance Monitoring Period End Date: 06/30/2018
you have analytical results to report for this	monitoring period?	SEYES 🗆 NO			
you reporting maximum pollutant concentrations in the second seco					iance monitoring event? [For example, this will b
40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/t gave away sewage sludge in a bag or other con CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idz	concentrations in the t ext-idx?node=pt40.32.5 tainer when one or more ?node=pt40.32.503&rg w/cgi-bin/text-idx?node s.	xiosolids or sewage sludge th 03&rgn=div5#se40.32.503_11 ≥ sewage sludge pollutant con n=div5#se40.32.503_113)). E =pt40.32.503&rgn=div5#se40	(3), EPA's regulations incentrations in the se PA will compare the 32.503_113) to ident	prohibit land application wage sludge exceed a local collutant concentrations if y noncompliance eve	monitoring period for this SSUID. In accordance with n of bulk sewage sludge or sewage sludge odd or and application ceiling pollutant limit (Table 1 of 40 in this section against the ceiling concentration limits nts. All pollutant monitoring data should be reported in
ewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentra	ation (mg/kg, dry-we	eight basis)	If No Data, Select One Of The Following
rsenic	=	8.4			
admium	=	1.4			
Copper	=	280			
ead	=	12			
lercury	=	0.57			
1bly bdenum	=	18			
ickel	=	19			
elenium	=	6.8			
inc	=	780			
hogen And Vector Attraction Reduction Report the maximum pathogen densities in the s ewage Sludge or Biosolids Parameter	sewage sludge or biosol	ids that was placed on an act	tive sewage sludge u		ce monitoring period for this SSUID.
ecal Coliform		=	35.3		
almonella		<	0.3		
nteric Viruses		<	1		
lelminth Ova		<	1		
Report the vector attraction reduction data for t	he biosolids or sewage			e unit during the compl	iance monitoring period for this SSUID.
ewage Sludge or Biosolids Parameter		Value Qualifier	Value	If No Data, Selec	t One Of The Following
olids, total volatile percent removal		=	93.1		
nthly Average Pollutant Concentration Data f This section summarizes the monthly average p monitoring data should be reported in milligrams	ollutant concentrations	in the biosolids or sewage slu		to land during the com	pliance monitoring period for this SSUID. All pollutant
ewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentra	ation (mg/kg, dry-we	eight basis)	If No Data, Select One Of The Following
senic	=	8.4			
admium	=	1.4			
opper	=	280			
ead	=	12			
		0.57			
<i>l</i> ercury	=	0.57			
Vickel	=	19			Pa

Sewage Sludge or Biosolids Parameter	Value Qualifier	Barameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Zinc	=	780	

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

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	46006	

Compliance Monitoring Event No. 3

Compliance Monitoring Period Start Date: 07/01/2018

Compliance Monitoring Period End Date: 07/31/2018

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 AI 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 celling 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)). 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_13). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_13). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_13) 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	=	6.6	
Cadmium	=	1.2	
Copper	=	270	
Lead	=	9.5	
Mercury	=	0.93	
Molybdenum	=	13	
Nickel	=	15	
Selenium	=	5.4	
Zinc	=	710	

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	=	28.4	
Salmonella	<	0.3	
Enteric Viruses	<	1	
Helminth Ova	<	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	=	82.2	

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	=	6.3	
Cadmium	=	1.1	
Copper	=	258	
Lead	=	9.1	David

Sewage Sludge or Biosolids Parameter	¥alue Qualifier	Bagemeter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Nickel	=	14.3	
Selenium	=	5.2	
Zinc	=	670	

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

Sewage Sludge or Biosolids Parameter Value	lue Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite) =		43253	

Compliance Monitoring Event No. 4

Compliance Monitoring Period Start Date: 08/01/2018

Compliance Monitoring Period End Date: 08/31/2018

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

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

Maximum Concentration Data for Al 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	=	6.8	
Cadmium	=	1.2	
Copper	=	240	
Lead	=	10	
Mercury	=	0.38	
Molybdenum	=	11	
Nickel	=	19	
Selenium	=	7.2	
Zinc	=	660	

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	=	14.3	
Salmonella	<	0.3	
Enteric Viruses	<	1	
Helminth Ova	<	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	=	90.9	

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	=	6.3	
Cadmium	=	1.1	

Sewage Sludge or Biosolids Parameter	¥alue Qualifie	r Pas	gameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following	
Lead	=	9.1	1		
Mercury	=	0.3	31		
Nickel	=	17.3	.3		
Selenium	=	6.2	2		
Zinc	=	570	0		
Report the average concentration (mg/kg, dry monitoring period for this SSUID.	weight basis) of Tota	l Nitrogen (TK	κ plus Nitrate-Nitrite, as N) in the sewage sludge or biosolic	s that was applied to land during the compliance	
Sewage Sludge or Biosolids Parameter	Value Qualifie	r Par	rameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following	
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	370	050		
40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/ gave away sewage sludge in a bag or other cor CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-io	s monitoring perio ludge or Biosolids nt concentrations in th text-idx?node=pt40.3 trainer when one or n tx?node=pt40.32.503 pv/cgi-bin/text-idx?no sis.	d? \ Applied to La he biosolids or 12.503&rgn=dix nore sewage s &rgn=div 5#se ode=pt40.32.5	YES ♥ NO Land or sewage sludge that was applied to land during the complian iv5#se40.32.503_113), EPA's regulations prohibit land applic sludge pollutant concentrations in the sewage sludge exceed e40.32.503_113)). EPA will compare the pollutant concentrations 503&rgn=div 5#se40.32.503_113) to identify noncompliance of	ation of bulk sewage sludge or sewage sludge sold or a land application ceiling pollutant limit (Table 1 of 40 ons in this section against the ceiling concentration limits	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parame	neter Concentration (mg/kg, dry-weight basis)	No Data, Select One Of The Following	
Arsenic				(No Sampling or Analysis Conducted - Other Reason)	
Cadmium				(No Sampling or Analysis Conducted - Other Reason)	
Copper				(No Sampling or Analysis Conducted - Other Reason)	
Lead				(No Sampling or Analysis Conducted - Other Reason)	
Mercury				(No Sampling or Analysis Conducted - Other Reason)	
•					
Nolybdenum				(No Sampling or Analysis Conducted - Other Reason)	
Nickel				(No Sampling or Analysis Conducted - Other Reason)	
Selenium				(No Sampling or Analysis Conducted - Other Reason)	
Zinc			F	(No Sampling or Analysis Conducted - Other Reason)	
athogen And Vector Attraction Reduction Report the maximum pathogen densities in the Sewage Sludge or Biosolids Parameter		osolids that wa	vas placed on an active sewage sludge unit during the compl		
Fecal Coliform				lysis Conducted - Other Reason)	
Salmonella				lysis Conducted - Other Reason)	
Enteric Viruses				lysis Conducted - Other Reason)	
Helminth Ova				or Analysis Conducted - Other Reason)	
	the biosolids or sewa	ige sludge tha	at was placed on an active sewage sludge unit during the co		
Sewage Sludge or Biosolids Parameter		Value Qualif	fier Value If No Data, Select On	e Of The Following	
Solids, total volatile percent removal	total volatile percent removal		F (No Sampling or Ana	lysis Conducted - Other Reason)	
Nonthly Average Pollutant Concentration Data This section summarizes the monthly average monitoring data should be reported in milligrams	pollutant concentration	ons in the bios	solids or sewage sludge that was applied to land during the c	ompliance monitoring period for this SSUID. All pollutant	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parame	neter Concentration (mg/kg, dry-weight basis)	No Data, Select One Of The Following	
Arsenic			F	(No Sampling or Analysis Conducted - Other Reason)	
Cadmium			F	(No Sampling or Analysis Conducted - Other Reason)	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Conce	ntration (mg/kg, dry-	weight basis)	If No Bathphilest And Ston Tour Tour Devingther Reason)	
Lead					F (No Sampling or Analysis Conducted - Other Reason)	
Mercury					F (No Sampling or Analysis Conducted - Other Reason)	
Nickel					F (No Sampling or Analysis Conducted - Other Reason)	
Selenium					F (No Sampling or Analysis Conducted - Other Reason)	
Zinc					F (No Sampling or Analysis Conducted - Other Reason)	
Report the average concentration (mg/kg, dry v monitoring period for this SSUID.	veight basis) of Tota	l Nitrogen (TKN plus Nitra	ate-Nitrite, as N) in the	sewage sludge or bios	olids that was applied to land during the compliance	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Conce	ntration (mg/kg, dry-	weight basis)	If No Data, Select One Of The Following	
Total Nitrogen (TKN plus Nitrate-Nitrite)					F (No Sampling or Analysis Conducted - Other Reason)	
40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/t gave away sewage sludge in a bag or other cor CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-id	udge or Biosolids t concentrations in th ext-idx?node=pt40.3 tainer when one or n x?node=pt40.32.503 sv/cgi-bin/text-idx?no is.	Applied to Land ne biosolids or sewage sli 2.503&rgn=tiv5#se40.32 nore sewage sludge pollul &rgn=tiv5#se40.32.503 pde=pt40.32.503&rgn=div	udge that was applied .503_113), EPA's regu tant concentrations in 113). EPA will compare 5#se40.32.503_113) to	lations prohibit land ap the sewage sludge exce e the pollutant concent b identify noncomplianc	diance monitoring period for this SSUID. In accordance with olication of bulk sewage sludge or sewage sludge sold or aed a land application ceiling pollutant limit (Table 1 of 40 rations in this section against the ceiling concentration limits be events. All pollutant monitoring data should be reported in	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Conce	ntration (mg/kg, dry-	weight basis)	If No Data, Select One Of The Following	
Arsenic					F (No Sampling or Analysis Conducted - Other Reason)	
Cadmium					F (No Sampling or Analysis Conducted - Other Reason)	
Copper					F (No Sampling or Analysis Conducted - Other Reason)	
Lead					F (No Sampling or Analysis Conducted - Other Reason)	
Mercury					F (No Sampling or Analysis Conducted - Other Reason)	
Molybdenum					F (No Sampling or Analysis Conducted - Other Reason)	
Nickel					F (No Sampling or Analysis Conducted - Other Reason)	
Zinc					F (No Sampling or Analysis Conducted - Other Reason) F (No Sampling or Analysis Conducted - Other Reason)	
Pathogen And Vector Attraction Reduction Report the maximum pathogen densities in the Sewage Sludge or Biosolids Parameter		psolids that was placed or Value Qualifier	n an active sewage slu Value		npliance monitoring period for this SSUID. One Of The Following	
Fecal Coliform				F (No Sampling or A	Analysis Conducted - Other Reason)	
Salmonella				F (No Sampling or A	Analysis Conducted - Other Reason)	
Enteric Viruses					Analysis Conducted - Other Reason)	
Helminth Ova					Analysis Conducted - Other Reason)	
Report the vector attraction reduction data for t	he biosolids or sewa	ge sludge that was place	d on an active sewage			
Sewage Sludge or Biosolids Parameter		Value Qualifier	Value	If No Data, Select	One Of The Following	
Solids, total volatile percent removal			F (No Sampling or A		Analysis Conducted - Other Reason)	
Nonthly Average Pollutant Concentration Data This section summarizes the monthly average monitoring data should be reported in milligrams	collutant concentration	ons in the biosolids or sev		pplied to land during th	e compliance monitoring period for this SSUID. All pollutant	
Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Conce	ntration (mg/kg, dry	weight basis)	If No Data, Select One Of The Following	
Arsenic					F (No Sampling or Analysis Conducted - Other Reason)	
Cadmium					F (No Sampling or Analysis Conducted - Other Reason)	

Severage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Bathpingert Analy 95 Controlley ingther Reason)
Lead			F (No Sampling or Analysis Conducted - Other Reason)
Mercury			F (No Sampling or Analysis Conducted - Other Reason)
Nickel			F (No Sampling or Analysis Conducted - Other Reason)
Selenium			F (No Sampling or Analysis Conducted - Other Reason)
Zinc			F (No Sampling or Analysis Conducted - Other Reason)
Report the average concentration (mg/kg, dry monitoring period for this SSUID.	weight basis) of Total Ni	trogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or b	iosolids that was applied to land during the compliance
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)			F (No Sampling or Analysis Conducted - Other Reason)
dge Management - Incineration dge Management - Other Management Practice			
ditional Information			
ease enter any additional information that you v	ould like to provide ir	n the comment box below.	
ditional Attachments			
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rtified By: Logan Olds (LOLDS@VWRA.COM)			
rtified On: 02/14/2019 5:30 PM			