pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0244929**
Facility Type	**Storm Water**	APS ID	**1062640**
Major / Minor	**Minor**	Authorization ID	**1395087**

NPDES PERMIT FACT SHEET INDIVIDUAL INDUSTRIAL WASTE (IW) AND IW STORMWATER

Applicant and Facility Information

Applicant Name	**Waste Management Disposal Services of PA, Inc.**	Facility Name	**Waste Management of PA – GROWS North Landfill**
Applicant Address	1000 New Ford Mill Road	Facility Address	1000 New Ford Mill Road
	Morrisville, PA 19067		Morrisville, PA 19067
Applicant Contact	Haley Burke	Facility Contact	Haley Burke
Applicant Phone	(215) 779-8200	Facility Phone	(215) 779-8200
Client ID	92382	Site ID	704882
SIC Code	4953	Municipality	Falls Township
SIC Description	Trans. & Utilities - Refuse Systems	County	Bucks
Date Application Received	May 3, 2022	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Permit Renewal.

Summary of Review

The applicant requests renewal of NPDES permit for discharge of stormwater from (GROWS North Landfill) Waste Management of PA – GROWS North Landfill Facility into Van Sciver Lake and UNT to Delaware River through outfall 001 and outfall 002 respectively. Previously these outfalls were covered under General Permit (PAG-03) PAR800153.

Waste Management of PA - GROWS North Landfill Facility operates as a municipal solid waste disposal facility in an above-grade, double-lined sanitary landfill. All the discharges covered in the permit are from stormwater runoff from the landfill final cover and other non-disposal areas into sedimentation basins. Leachate is collected by series of piping networks located on the landfill cell floor which conveys leachate towards landfill cell sumps. Leachate is pumped from the cell sumps into dual containment leachate force mains that convey the leachate to storage tanks and the WWTP for ultimate disposal. Leachate is also handled by dewatering sumps installed within the waste mass at locations on site where leachate seeps have been identified. Leachate is pumped from the dewatering sumps into frac tanks for ultimate removal off site by tanker trucks. Landfill leachate is sent to Fairless Landfill wastewater treatment plant for treatment.

Stormwater runoff are collected from the vegetated landfill cover using a series of engineered bench channels, which directs the runoff into gabion or concrete lined vertical channels. The vertical channels convey the stormwater down the landfill side slopes and into the perimeter channel. The perimeter channel discharges into the sedimentation basin. In the sedimentation basin, sediment suspended within the stormwater is deposited within the basin and the basin dewaters through a perforated riser pipe into the primary spillway. The basin discharge will be monitored at the outlet of the principal spillway. Stormwater quality is protected from leachate seeps or breakouts through the use of best management practices (BMPs) at the facility but some limited exposure of stormwater to seeps remains possible.

Quarterly monitoring requirements for all the parameters will continue in the permit renewal and are typical of the stormwater from the landfill and land application sites. We have included all the parameters from the Fairless Landfill NPDES Permit

Approve	Deny	Signatures	Date
X		*Ketan Thaker* Ketan Thaker / Project Manager	7/5/2022
X		***Pravin Patel*** Pravin C. Patel, P.E. / Environmental Engineer Manager	7/6/2022

Summary of Review

PA0244856 (previously GROWS Landfill NPDES Permit PA0043818) and Appendix C of General Permit (PAG03). Permit also includes Benchmark values for Total Suspended Solids (TSS), Chemical Oxygen Demand (COD), pH, Color, Total Dissolved Solids (TDS), Ammonia, Oil & Grease, and Total Tritium. These benchmark vales are not effluent limits, and exceedances do not constitute permit violations. However, if the permittee's sampling demonstrates exceedance of two consecutive monitoring periods, the permittee shall implement additional Best Management Practices (BMPs) to achieve the Benchmark values.

Uncontaminated stormwater should not have any parameters at concentration higher than the Benchmark vales. Elevated concentrations for these parameters would indicate some level of leachate impact to the stormwater. Both the stormwater outfalls have same parameters with quarterly monitoring requirements.

Act -14 notifications to Falls Township on May 2, 2022.
Act -14 Notification to Bucks County Commissioners on May 3, 2022.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	40Âº 9' 12.05"	Longitude	-74Âº 46' 42.26"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		

Receiving Waters	Van Sciver Lake	Stream Code	
NHD Com ID	25486572	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40Âº 10' 3.92"	Longitude	-74Âº 46' 18.25"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Delaware River (WWF, MF)	Stream Code	
NHD Com ID	134238019	RMI	
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-E	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Compliance History

DMR Data for Outfall 001 (from May 1, 2021 to April 30, 2022)

Parameter	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21
pH (S.U.) Average Quarterly		8.35			8.35			8.07			9.89	
pH (S.U.) Daily Maximum		8.35			8.35			8.07			9.89	
Color (Pt-Co Units) Average Quarterly		30			20			100			30	
Color (Pt-Co Units) Daily Maximum		30			20			100			30	
CBOD5 (mg/L) Average Quarterly		4			< 2			3			9	
CBOD5 (mg/L) Daily Maximum		4			< 2			3			9	
COD (mg/L) Average Quarterly		40			26			27			60	
COD (mg/L) Daily Maximum		40			26			27			60	
TSS (mg/L) Average Quarterly		6			4			17			143	
TSS (mg/L) Daily Maximum		6			4			17			143	
Total Dissolved Solids (mg/L) Average Quarterly		446			368			234			310	
Total Dissolved Solids (mg/L) Daily Maximum		446			368			234			310	
Oil and Grease (mg/L) Average Quarterly		< 5			< 5			< 5			< 6	
Oil and Grease (mg/L) Daily Maximum		< 5			< 5			< 5			< 6	
Nitrate-Nitrite (mg/L) Average Quarterly		< 0.05			0.10			0.43			< 0.05	
Nitrate-Nitrite (mg/L) Daily Maximum		< 0.05			0.10			0.43			< 0.05	
Ammonia (mg/L) Average Quarterly		< 0.10			< 0.10			< 0.10			< 0.10	
Ammonia (mg/L) Daily Maximum		< 0.10			< 0.10			< 0.10			< 0.10	

Total Arsenic (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Arsenic (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Barium (mg/L) Average Quarterly		< 0.01			0.05			0.04			0.04	
Total Barium (mg/L) Daily Maximum		< 0.01			0.05			0.04			0.04	
Total Cadmium (mg/L) Average Quarterly		< 0.002			< 0.002			< 0.002			< 0.002	
Total Cadmium (mg/L) Daily Maximum		< 0.002			< 0.002			< 0.002			< 0.002	
Total Chromium (mg/L) Average Quarterly		< 0.01			< 0.01			< 0.01			< 0.01	
Total Chromium (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	
Total Cyanide (mg/L) Average Quarterly		< 0.020			< 0.020			< 0.020			< 0.020	
Total Cyanide (mg/L) Daily Maximum		< 0.020			< 0.020			< 0.020			< 0.020	
Dissolved Iron (mg/L) Average Quarterly		0.11			0.08			0.34			0.23	
Dissolved Iron (mg/L) Daily Maximum		0.11			0.08			0.34			0.23	
Total Iron (mg/L) Average Quarterly		0.22			0.24			0.83			4.10	
Total Iron (mg/L) Daily Maximum		0.22			0.24			0.83			4.10	
Total Lead (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			0.03	
Total Lead (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			0.03	
Dissolved Magnesium (mg/L) Average Quarterly		17.6			11.9			7.1			15.3	
Dissolved Magnesium (mg/L) Daily Maximum		17.6			11.9			7.1			15.3	
Total Magnesium (mg/L) Average Quarterly		17.9			12.1			7.3			16.0	
Total Magnesium (mg/L) Daily Maximum		17.9			12.1			7.3			16.0	

Total Mercury (mg/L) Average Quarterly		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Total Mercury (mg/L) Daily Maximum		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Total Selenium (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Selenium (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Silver (mg/L) Average Quarterly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Silver (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	
Sulfate (mg/L) Average Quarterly		249			138			56.2			145	
Sulfate (mg/L) Daily Maximum		249			138			56.2			145	
Total Tritium (pCi/L) Average Quarterly		90.5			54.1			76.6			54.1	
Total Tritium (pCi/L) Average Quarterly		90.5			54.1			76.6			54.1	
1,4-Dioxane (mg/L) Average Quarterly		< 0.050			< 0.05			< 0.05			< 0.05	
1,4-Dioxane (mg/L) Daily Maximum		< 0.050			< 0.05			< 0.05			< 0.05	
Chloride (mg/L) Average Quarterly		17.8			17.1			4.0			13.0	
Chloride (mg/L) Daily Maximum		17.8			17.1			4.0			13.0	
Bromide (mg/L) Average Quarterly		< 0.2			< 0.2			< 0.2			< 0.2	
Bromide (mg/L) Daily Maximum		< 0.2			< 0.2			< 0.2			< 0.2	
TOC (mg/L) Average Quarterly		16.1			11.6			11.3			19.2	
TOC (mg/L) Daily Maximum		16.1			11.6			11.3			19.2	

DMR Data for Outfall 002 (from May 1, 2021 to April 30, 2022)

Parameter	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21	OCT-21	SEP-21	AUG-21	JUL-21	JUN-21	MAY-21
pH (S.U.) Average Quarterly		8.41			8.32			8.20			8.60	
pH (S.U.) Daily Maximum		8.41			8.32			8.20			8.60	

Color (Pt-Co Units) Average Quarterly		20			15			75			20	
Color (Pt-Co Units) Daily Maximum		20			15			75			20	
CBOD5 (mg/L) Average Quarterly		2			2			3			3	
CBOD5 (mg/L) Daily Maximum		2			2			3			3	
COD (mg/L) Average Quarterly		30			18			26			29	
COD (mg/L) Daily Maximum		30			18			26			29	
TSS (mg/L) Average Quarterly		4			4			10			2	
TSS (mg/L) Average Quarterly		4			4			10			2	
Total Dissolved Solids (mg/L) Average Quarterly		496			382			270			452	
Total Dissolved Solids (mg/L) Average Quarterly		496			382			270			452	
Oil and Grease (mg/L) Average Quarterly		< 5			< 5			< 5			< 6	
Oil and Grease (mg/L) Daily Maximum		< 5			< 5			< 5			< 6	
Nitrate-Nitrite (mg/L) Average Quarterly		< 0.05			0.08			0.27			< 0.05	
Nitrate-Nitrite (mg/L) Daily Maximum		< 0.05			0.08			0.27			< 0.05	
Ammonia (mg/L) Average Quarterly		0.15			0.16			1.12			0.10	
Ammonia (mg/L) Daily Maximum		0.15			0.16			1.12			0.10	
Total Arsenic (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Arsenic (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Barium (mg/L) Average Quarterly		0.02			0.06			0.04			< 0.01	
Total Barium (mg/L) Daily Maximum		0.02			0.06			0.04			< 0.01	
Total Cadmium (mg/L) Average Quarterly		< 0.002			< 0.002			< 0.002			< 0.002	
Total Cadmium (mg/L) Daily Maximum		< 0.002			< 0.002			< 0.002			< 0.002	

Total Chromium (mg/L) Average Quarterly		< 0.01			< 0.01			< 0.01			< 0.01	
Total Chromium (mg/L) Daily Maximum		< 0.01			< 0.01			< 0.01			< 0.01	
Total Cyanide (mg/L) Average Quarterly		< 0.020			< 0.020			< 0.020			< 0.020	
Total Cyanide (mg/L) Daily Maximum		< 0.020			< 0.020			< 0.020			< 0.020	
Dissolved Iron (mg/L) Average Quarterly		0.09			0.07			0.09			0.11	
Dissolved Iron (mg/L) Daily Maximum		0.09			0.07			0.09			0.11	
Total Iron (mg/L) Average Quarterly		0.18			0.23			0.32			0.19	
Total Iron (mg/L) Daily Maximum		0.18			0.23			0.32			0.19	
Total Lead (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Lead (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Dissolved Magnesium (mg/L) Average Quarterly		15.9			10.7			7.6			16.1	
Dissolved Magnesium (mg/L) Daily Maximum		15.9			10.7			7.6			16.1	
Total Magnesium (mg/L) Average Quarterly		15.0			11			7.9			15.6	
Total Magnesium (mg/L) Daily Maximum		15.0			11			7.9			15.6	
Total Mercury (mg/L) Average Quarterly		< 0.0002			< 0.0002			< 0.0002			< 0.0002	
Total Mercury (mg/L) Daily Maximum		< 0.0002			< 0.0002			< 0.002			< 0.0002	
Total Selenium (mg/L) Average Quarterly		< 0.02			< 0.02			< 0.02			< 0.02	
Total Selenium (mg/L) Daily Maximum		< 0.02			< 0.02			< 0.02			< 0.02	
Total Silver (mg/L) Average Quarterly		< 0.005			< 0.005			< 0.005			< 0.005	
Total Silver (mg/L) Daily Maximum		< 0.005			< 0.005			< 0.005			< 0.005	

Sulfate (mg/L) Average Quarterly		235			166			67.9			194	
Sulfate (mg/L) Daily Maximum		235			166			67.9			194	
Total Tritium (pCi/L) Average Quarterly		111			63.1			108			40.5	
Total Tritium (pCi/L) Daily Maximum		111			63.1			108			40.5	
1,4-Dioxane (mg/L) Average Quarterly		< 0.050			< 0.050			< 0.05			< 0.05	
1,4-Dioxane (mg/L) Daily Maximum		< 0.050			< 0.050			< 0.05			< 0.05	
Chloride (mg/L) Average Quarterly		21.1			16.8			9.1			20.1	
Chloride (mg/L) Daily Maximum		21.1			16.8			9.1			20.1	
Bromide (mg/L) Average Quarterly		< 0.2			< 0.2			< 0.2			< 0.2	
Bromide (mg/L) Daily Maximum		< 0.2			< 0.2			< 0.2			< 0.2	
TOC (mg/L) Average Quarterly		12.9			10.1			11.8			10.8	
TOC (mg/L) Daily Maximum		12.9			10.1			11.8			10.8	

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Barium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Selenium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Sulfate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Tritium (pCi/L)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Chloride	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Bromide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TOC	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Color (Pt-Co Units)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
COD	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TSS	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Oil and Grease	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Ammonia	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Barium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Chromium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Cyanide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab

Outfall 002, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Lead	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Dissolved Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Magnesium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Mercury	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Selenium	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Silver	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Sulfate	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Total Tritium (pCi/L)	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
1,4-Dioxane	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Chloride	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
Bromide	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab
TOC	XXX	XXX	XXX	Report	Report	XXX	1/quarter	Grab