Broadneck WRF

Form 2
Dry weather - Quarterly Inspection

Date of Inspection: 4.19.21 Name of Inspector Joseph Hall

Item	Observation Results						Corrective Action Taken
	Outfall 001		Outfall 002		Outfall 003		
	Yes	No	Yes	No	Yes	No	
Non-storm water flow present?	☐	☑	☐	☑	☐	☑	
Excess sediment?	☐	☑	☐	☑	☐	☑	
Healthy vegetation?	☑	☐	☑	☐	☑	☐	
Signs of erosion?	☐	☑	☐	☑	☐	☑	

Item	Observation Results						Corrective Action Taken
	Drainage Channel to SW Management Area		SW Management Area		Drainage Channel to Outfall 003		
	Yes	No	Yes	No	Yes	No	
Non-storm water flow present?	☐	☑	☐	☑	☐	☑	All Areas Looks good
Excess sediment?	☐	☑	☐	☑	☐	☑	#1 #2 #3
Healthy vegetation?	☑	☐	☑	☐	☑	☐	OUTfalls
Signs of erosion?	☐	☑	☐	☑	☐	☑	

Form 3
Storm Event - Quarterly Inspection and Rainfall Greater than 0.5 inch Inspection

Date of Inspection: 5-20-21 Name of Inspector Gilbert Kim

Time: 0810 Rainfall amount: 0

The following observations must be made once a quarter within the first hour of a storm.

Item	Observation Results							
	Outfall 001		Outfall 002		Outfall 003		Chemical Storage Area	
	Yes	No	Yes	No	Yes	No	Yes	No
Does storm water appear to be contaminated?	☐	☑	☐	☑	☐	☑	☐	☑

Item	Observation Results							
	Paved Parking Areas		Diesel Fuel Storage		Dewatering/Lime-stabilization Area		Paved Roadways	
	Yes	No	Yes	Yes	Yes	No	Yes	No
Does storm water appear to be contaminated?	☐	☑	☐	☑	☐	☑	☐	☑

The following inspections must be conducted within 12 hours of the end of a storm with rainfall amounts greater than 0.5 inches.

Item	Observation Results							
	Outfall 001		Outfall 002		Outfall 003		General Facility	
	Yes	No	Yes	No	Yes	No	Yes	No
Storm debris present?	☐	☑	☐	☑	☐	☑	☐	☑
Excess sediment?	☐	☑	☐	☑	☐	☑	☐	☑
Signs of erosion, washouts, & bare spots?	☐	☑	☐	☑	☐	☑	☐	☑
	Chemical Containment Structure		Diesel Fuel Containment Structure		Dewatering/Lime-stabilization Process Area		SW Management Area	
Storm debris present?	☐	☑	☐	☐	☐	☐	☐	☑
Contaminated storm water present?	☐	☑	☐	☐	☐	☐	☐	☐
Signs of erosion, washouts, & bare spots?	☐	☑	☐	☐	☐	☐	☐	☑

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
11/13/20	Drainage Area I	Sediment / Storm water runoff	SW Management Area	E+S devise removed	Y
	Drainage Area I	Sediment / Storm water runoff	Vegetated swale		
	Drainage Area I	Sediment / Clarifiers	Overflow channels on inside of concrete walls		
	Drainage Area I & II	Sediment / Oxidation Basin	Overflow channels on inside of concrete walls		
	Drainage Area I	Sediment / Grit Removal Building	Trench drain		
	Drainage Area I, II & III	Sediment / Vehicular traffic	Material tracked onto paved areas is removed as soon as practical.	Areas repaved	
	Drainage Area I, II & III	Sediment / Litter	Litter is picked up promptly and disposed of properly.		
	Drainage Area I, II & III	Sediment, caustics, fuel and biosolids / Outdoor material handling	Employees are trained in proper transfer techniques		
	Drainage Area II	Sediment / Abandoned clarifiers	Concrete walls let water out, sediment stays in clarifiers		
	Drainage Area II	Sediment / Maintenance Garage	Trench drain		
	Drainage Area II	Caustic and Fuel / Material Unloading Stations	Pipe bollards		
	Drainage Area II	Sediment, caustics, and fuel / Material spills during transfer	Spill response equipment is kept at the Chemical Building and at the Influent Pump building	Spill Kits in place	
	Drainage Area II	Sediment / Influent Pumping Station Screenings	Material tracked onto paved areas is removed as soon as practical.		
	Drainage Area II	Oil/Electrical Transformer	Bi-weekly inspections of the electrical transformer pad for evidence of spills or leaks		
	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	Bi-weekly inspections of the diesel fuel storage tank containment area to verify that the drainage pipe is capped		
	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	The containment structure has sufficient volume to hold the contents of the fuel tank.		

Lee Garrett

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
11/13/20	Drainage Area II	Generator Units with Integral Self-Contained Diesel Fuel Storage	Bi-weekly inspections of the diesel fuel storage tank containment area for evidence or spills or leaks		Y
	Drainage Area II	Caustic / Chemical Storage Tank	The containment structure can contain a spill or release. It is designed to hold the full contents of any of the chemical storage tanks.		
	Drainage Area II	Caustic / Chemical Storage Tank	The containment area has drains that allow accumulated water to be directed into the treatment works.		
	Drainage Area II and III	Caustics, fuel and biosolids / Outdoor material transfer	Material deliveries are scheduled for times when facility personnel are available to supervise the delivery		
	Drainage Area II and III	Caustics, fuel and biosolids / Outdoor material transfer	Prior to material transfer, all hoses, valves, and fittings are checked to ensure that they are leak free		
	Drainage Area II & III	Caustics, fuel and biosolids / Outdoor material transfer	Good housekeeping - Spills that occur during material transfer are cleaned up promptly		
	Drainage Area II & III	Caustics, fuel and biosolids / Outdoor material storage	Storage containers are inspected to ensure they are in good working order.		
	Drainage Area II &III	Sediment / Gravity Sludge Thickeners	Overflow channels on inside of concrete walls		

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
11/13/20	Drainage Area III	Solids / Outdoor Material Storage	Storage silo and pneumatic conveyance of material		Y
	Drainage Area III	Lime & biosolids / Outdoor material storage and transfer	Spill response equipment is kept at the dewatering/lime-stabilization building		
	Drainage Area III	Lime & biosolids / Outdoor material storage and transfer	Bi-weekly inspections of material storage areas for evidence of spills or leaks	Remind contractor to keep areas clean	
	Drainage Area III	Biosolids / Outdoor material transfer	Bi-weekly inspections of drain inlet grate to verify that no debris is present		
	Drainage Area III	Lime / Outdoor material storage	Chemical management system so supplies arrive as needed.		
	Drainage Area III	Lime and sediment/storm water runoff	Vegetated swale		
	Drainage Area III	Lime and sediment/storm water runoff	Detention wetland		
	Drainage Area III	Biosolids / Outdoor material transfer	Drain to direct water back to facility for treatment		
	Drainage Area III	Lime & biosoilds / Material handling and transfer	Curbing to contain spills, drain to direct water back to headworks		
	Drainage Area III	Denitrification Facility	Drain to direct water to the headworks in case of a spill.		
	Drainage Area III	Methanol Facility	Drain to direct water to the headworks in case of a spill.		

Annual Facility Comprehensive Site Compliance Evaluation

Date	Location	Potential Pollutants / Source	BMP	Changes Since Last Inspection	BMP Effective? (Y/N)
11/13/20	Drainage Area IV	Solids / Outdoor Material Storage	Storage silo and pneumatic conveyance of material	Facility const. finished	Y
	Drainage Area IV	Lime & biosolids / Outdoor material storage and transfer	Spill response equipment is kept at the dewatering/lime-stabilization building		
	Drainage Area IV	Lime & biosolids / Outdoor material storage and transfer	Bi-weekly inspections of material storage areas for evidence of spills or leaks		
	Drainage Area IV	Biosolids / Outdoor material transfer	Bi-weekly inspections of drain inlet grate to verify that no debris is present		
	Drainage Area IV	Lime / Outdoor material storage	Chemical management system so supplies arrive as needed.		
	Drainage Area IV	Lime and sediment/storm water runoff	Drain to direct water back to Headworks facility for treatment.		
	Drainage Area IV	Biosolids / Outdoor material transfer	Drain to direct water back to facility for treatment		
	Drainage Area IV	Lime & biosoilds / Material handling and transfer	Curbing to contain spills, drain to direct water back to headworks		

Broadneck Water Reclamation Facility

Storm Water Pollution Prevention Plan

Annual Employee Refresher Course

Employee Sign-in Sheet

Date	Employee Name	Employee Signature
10/28/20	Jonatha- Kupka	
10-28-20	Gilbert Kirk	
10/28/20	Mark Beaver	
10/28/20	Jordan Kelly	
10/28/20	Andrew Hoyt	
10/28/20	Elvin L. Cox III	
10/28/20	Joseph Hall	
10/28/20	Bryan Johnson	
10/28/20	Lee Garrett	