COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
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Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Craig R. Nicol
Regional Director

February 13, 2017

Mr. Chris Hill
Kinder Morgan – Pier IX
1900 Harbor Access Road
Newport News, VA 23607

Re: Technical and Laboratory Inspection Reports, VA0057142

Dear Mr. Hill:

Enclosed is a copy of the technical inspection report prepared for the inspection conducted on January 18, 2017. There were no recommendations noted for this report. If you have any questions regarding this report, please feel free to contact me at the above address or telephone (757) 518-2195.

Sincerely,

Abigail L. Ross

Abigail L. Ross
Environmental Specialist II

Enclosure

cc: DEQ/TRO: File

Note: This letter is not intended as a case decision under the Virginia Administrative Process Act, Va. Code § 2.2-4000 *et seq*.

Facility:	**KINDER MORGAN PIER IX**
County/city:	**NEWPORT NEWS, VA**

VPDES NO.	**VA0057142**

DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTEWATER FACILITY
INSPECTION REPORT
PART 1

Inspection date:	**January 18, 2017**	Date form completed:	**January 27, 2017**
Inspection by:	**Abigail L. Ross**	Inspection agency:	**DEQ/TRO**
Time spent:	**4 hours**	Announced Inspection:	[ ] Yes [✓] No
Reviewed by: **Kenneth T. Raum / 01-30-17** KTR		Photographs taken at site?	[✓] Yes [ ] No
Present at inspection:	**Morgan Evans, James Wendt – DEQ; Chris Hill, Mark Lieberman – Kinder Morgan**		

FACILITY TYPE:	FACILITY CLASS:
( ) Municipal	( ) Major
(✓) Industrial	(✓) Minor
( ) Federal	() Small
( ) VPA/NDC	( ) High Priority ( ) Low Priority

TYPE OF INSPECTION:

Routine	✓	Reinspection		Compliance/assistance/complaint	

Date of previous inspection:	**05/07/ 2012**	Agency:	**DEQ/TRO**

Population Served:		Connections Served:	

December 2016 Outfall 001	pH (SU)	**6.9**	TSS (mg/l)	**7.5**	Flow (MGD)	**0.855**	TR Fe (mg/L)	**1.30**
	Other:							
November 2016 Outfall 001	pH (SU)	--	TSS (mg/l)	--	Flow (MGD)	--	TR Fe (mg/L)	--
	Other: **No discharge**							
October 2016 Outfall 001	pH (SU)	**6.51**	TSS (mg/l)	**8.9**	Flow (MGD)	**1.482**	TR Fe (mg/L)	**1.44**
	Other:							

Data verified in preface:	Updated?		NO CHANGES?	✓
Has there been any new construction?		YES	NO	✓
If yes, were the plans and specifications approved? **NA**		YES	NO	
DEQ approval date:				

COPIES TO: (✓) DEQ/TRO; (✓) DEQ/OWCP; (✓) OWNER; ( ) OPERATOR; ( ) EPA-Region III; ( ) Other:

	PROBLEMS IDENTIFIED AT LAST INSPECTION:	CORRECTED	NOT CORRECTED
	None		

SUMMARY

INSPECTION COMMENTS:

The Kinder Morgan Pier IX Terminal offloads coal from railcars to an outdoor storage area and loads ships with bulk coal.

Arrived on site and met with Environmental Coordinator Chris Hill and Regional EHS Manager Mark Lieberman. After discussing the inspection process, the Storm Water Pollution Prevention Plan (SWPPP) and associated documents were reviewed with the following noted:

1. **The SWPPP was updated in December 2016 for the reissuance of the permit and includes a Corporate Certification Statement dated January 18, 2017, and a site map with drainage directions and conveyances displayed.**
2. **A Facility Pollution Prevention Team with a Team Leader and Team Members listed by both name and position at facility.**
    - **<u>Team Leader</u> – Bradley Gilliat – Terminal Manager: Overall responsibility for all environmental compliance for the facility.**
    - **<u>Team Member</u> – Chris Hall – Environmental Coordinator: Responsible for Environmental Compliance, Processes and Permit Requirements. Conducts inspections; organizes spill prevention and clean-up teams, and provides annual instruction to all employees on environmental issues.**
    - **<u>Team Member</u> – Alvin Waltrip – Operations Manager: Organizes efforts with operational manpower to help in all facets of environmental compliance. Reports to Terminal Manager.**
3. **A daily Environmental Log documents daily facility inspections and rainfall records.**
4. **Freeboard of the retention pond is checked daily and documented. Overflows of the pond have been reported to DEQ as discovered.**
    - **Heavy rains on January 2, 2017 caused a high level of water to accumulate at the facility and crest the overflow weir flowing into the James River. Upon discovery of the overflow, Outfall 001's valve was opened and discharge began. This overflow was discovered to be a result of wiring issues on the pond's level alarm system. The relay was replaced the following day on**

	January 3, 2017. **5. Employee training is performed upon employment as well as annually and is documented as required.** **6. Operation and Maintenance Manual is on site and dated June 17, 2013.** **7. Quarterly Visual Examinations of Storm Water Quality are performed and documented. It was noted to add inspecting for "Suspended Solids" to the checklist.** **8. The Storm Water Management Evaluation and the Comprehensive Site Compliance Evaluation for 2016 addressed all of the requisites required by the Permit.**
	A site inspection was conducted with the assistance of Mr. Hill and Mr. Lieberman. A sign is posted at the facility's outfall location (Photo 1). A drop inlet (Photos 3 and 4) in front of the Safety and Training building, which is blocked with a steel plate, would otherwise discharge to Outfall 003. The water that would drain to the curb inlet flows to a storage vault and is then pumped to the perimeter ditch. A sampling location for Outfalls 001 and 002 is protected and provides access to two separate discharge pipes for sampling (Photo 2). Outfall 001 is a pumped discharge from the retention pond (Photo 6). Water from the perimeter ditch formerly flowed by gravity into the retention pond but this flow is blocked by a gate valve. The water from the perimeter ditch is pumped from the perimeter ditch to the pond (circled in Photo 6) through a ductile iron pipe. The water from the pond outlet flows to a pump room and is then pumped to Outfall 001. The east side of the perimeter ditch is built of concrete. Rainbirds that use water from the retention pond for dust management were not in operation during the inspection. Water from the coal railcar dump station collects in a sump before being pumped to the ditch system. Water from the pier collects in a sump before being pumped to the retention pond (Photo 5). **Overall the facility appeared well managed and displayed good housekeeping practices.**
	I would like to thank Mr. Hill and Mr. Lieberman for their assistance and cooperation during the inspection.

COMPLIANCE RECOMMENDATIONS FOR ACTION:	
	None at this time.

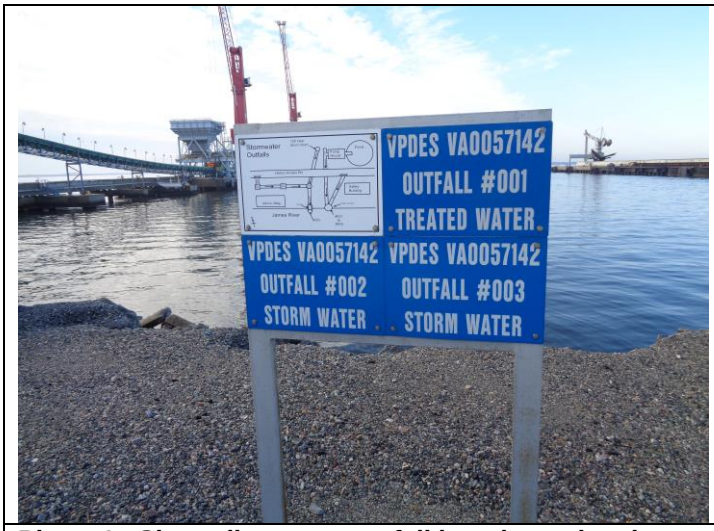

Photo 1. Sign adjacent to outfall locations showing conveyance set up and drainage areas.

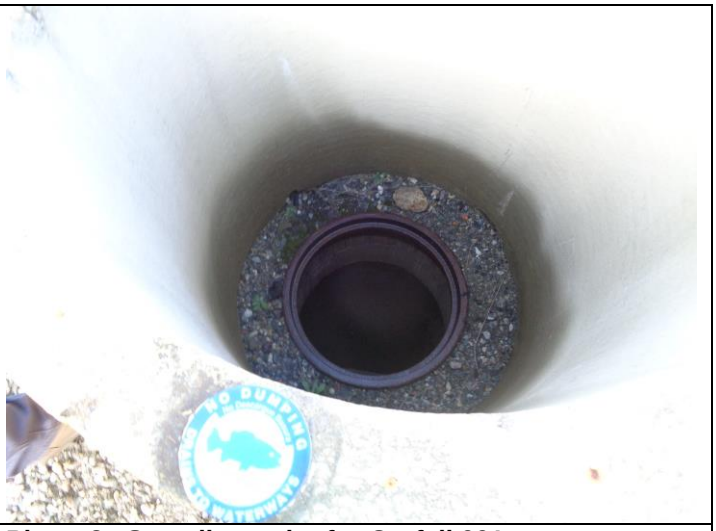

Photo 2. Sampling point for Outfall 001.

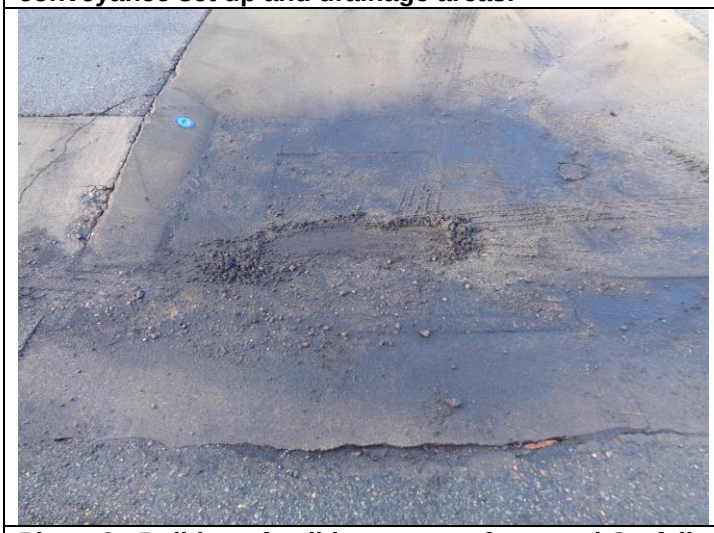

Photo 3. Buildup of solids overtop of covered Outfall 003 drop inlet.

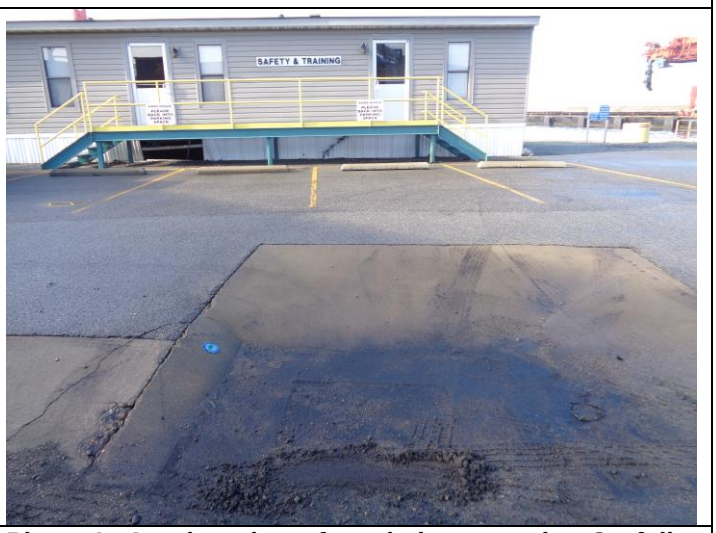

Photo 4. Another view of steel plate covering Outfall 003 drop inlet.

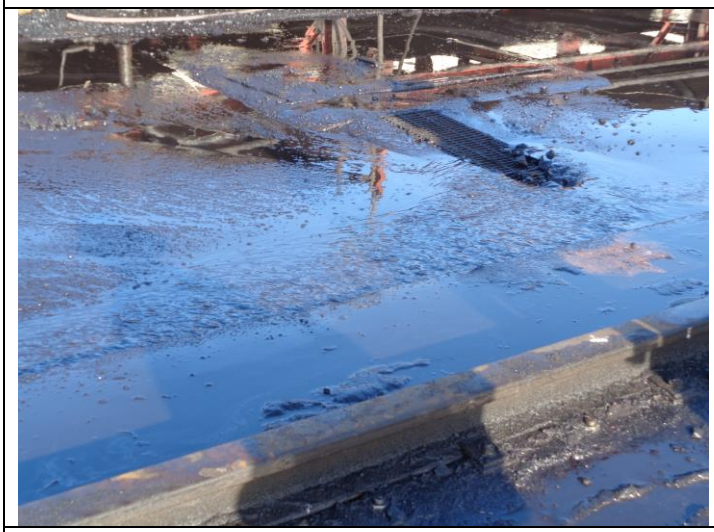

Photo 5. Pier water entering drop inlet to be pumped to pond.

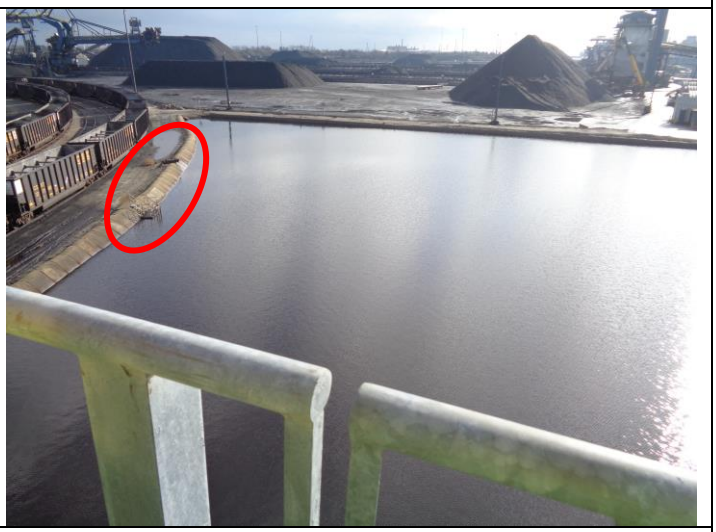

Photo 6. View from above the retention pond. Ditch line discharge point into pond is circled in red.