

December 14, 2016
Project No. 661M076116.01.2



Toxics Cleanup Program
Southwest Regional Office
PO Box 47775
Olympia, WA 98504-7775

Attention: Mohsen Kourehdar, P.E.

**Subject: Outfall Evaluation for NPDES Permit No. WA0040967
Vancouver, Washington**

Dear Mohsen:

On behalf of TOC Holdings Co., Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) submits this annual Outfall Evaluation in fulfillment of Section S9 of National Pollutant Discharge Elimination System (NPDES) Permit No. WA0040967. The outfall discharges water treated during remediation activities occurring at the Handy Andy #8 petroleum release site. The permitted outfall is located along Burnt Bridge Creek below a property at 2818 NE Cherry Road in Vancouver, Washington. Refer to the *Operations and Maintenance Manual, TOC Holdings Co. Site No. 01-115, Handy Andy #8, AMEC Environment & Infrastructure, Inc., December 26, 2013*, for a complete description of the remediation activities covered under the above-referenced NPDES permit.

At least once per quarter, Amec Foster Wheeler staff inspected the outfall pipe to confirm its integrity and continued function in accordance with the NPDES waste discharge permit. An inspection form and photographs from the December 1, 2016 inspection of the outfall structure are attached. The physical condition of the outfall structure components, including the P-trap (U-turn) at the top of the discharge pipe, the surrounding protective cage, concrete foundation, and diffusing rock arranged below the outfall pipe all appear to be in good condition and functioning as designed. There is no evidence of sediment accumulation inside the discharge pipe, in the P-trap and on the surrounding splash block/rock. The discharge pipe, P-trap and diffusing rock appear to be free of obstructions and are allowing uniform flow.

No recommendations or actions appear to be warranted at this time.

Amec Foster Wheeler Environment & Infrastructure, Inc.
7376 SW Durham Road
Portland, Oregon
USA 97224
Tel+1 (503) 639-3400
Fax+1 (503) 620-7892
www.amec.com

Please contact the undersigned with any questions concerning this outfall evaluation.

Sincerely,

**Amec Foster Wheeler
Environment & Infrastructure, Inc.**

REVIEWED BY:



Jack Spadaro, PhD, CHMM
Project Manager



Paul D. Stull III, PE
Associate Engineer

Attachments: Annual Outfall Inspection Form

JS/ay

c: Mark Chandler, TOC Holdings Co.



Annual Outfall Inspection

Handy Andy #8 - TOC Holdings No. 01-115

Treated Water Outfall #001 at Burnt Bridge Creek below 2818 NE Cherry Road

Vancouver, Washington

NPDES Permit No. WA0040967

Project #: 661M076116

Project Mgr: Jack Spadaro

TECHNICIAN: William McFarland

DATE: 1-Dec-2016

TIME: 10 AM

	<u>On Arrival</u>	<u>On Departure</u>	
	<u>Yes/No</u>	<u>Yes/No</u>	<u>Actions or Recommendations</u>
Outfall Pipe is Open	YES	YES	
Outfall Pipe is Clear of Heavy Iron Fouling (iron gel)	YES	YES	
Outfall Cage is Tight to Base	YES	YES	
Outfall Cage is Clear of Debris	NO	YES	Cleared debris
Outfall Cage is Clear of Plant Growth	NO	YES	Cleared plant growth
Outfall Base is Stable	YES	YES	
Outfall Diffusing Rock in Place	YES	YES	

Outfall Inspection Photographs

