

NetDMR Attachment

Exide Group, Inc.

NPDES Permit No. CT0030651

Site Address: 2190 Post Road, Fairfield, CT 06824

Monitoring Period: March 1, 2015 - March 31, 2015

Two clarifications associated with the effluent are presented in this attachment, summarized as follows:

1. Effluent Temperature

1.a. Table B in Section 5.A. (page 7) of the NPDES permit requires hourly (continuous) monitoring for the parameter, "Temperature, Maximum" for Discharge Serial Number 101-2 on the effluent "Treated effluent from dewatering of dredged material." The NetDMR parameter listed for this is "Temperature, water deg. Fahrenheit" (code 00011)." These two reporting requirements (between the NetDMR requirement and the NPDES permit) are not the same, so based on our understanding we are providing the information required by the NPDES permit in this attachment.

Parameter	Monthly Average Value	Daily Maximum Value	Units	Number of Ex.	Frequency of Analysis	Sample Type
Temperature, Maximum	42.2	43.8	deg F	0	Hourly	Continuous

1.b. Table B in Section 5.A of the NPDES permit requires hourly (continuous) monitoring for the parameter, "Temperature, Difference Between Intake and Discharge (ΔT)" for Discharge Serial Number 101-2 on the effluent "Treated effluent from the dewatering of dredged material." This parameter has the footnote (6) that states, "Refer to Section 9 if ΔT values are $>$ or $= +4^{\circ}F$." Based on our understanding because ΔT never exceeded $+4$ for more than 2 consecutive hours then no reporting is necessary on the NetDMR. We are providing the following statement:

The difference in temperature between the effluent and influent was never greater than $+4^{\circ}F$ for more than 2 consecutive hours during the monitoring period.

2. Effluent Minimum Levels

Table B, footnote 3 states that matrices interferences that prevent achieving the stated Minimum Levels (Section 6.(A)(3) of the permit) shall be explained as an attachment to the monthly DMR. For this reporting period, the LOQ for the following analytes exceeded the Minimum Levels.

LOQ Notifications:

Sample Date	Parameter	Method	Lab LOQ (mg/L)	Permit Minimum Level, (mg/L)	Permit Limit (mg/L)	Comment
3/30/2015	Selenium	EPA 200.7	0.010	0.005	-	Chloride interference due to a brackish water sample
3/30/2015	Silver	EPA 200.7	0.005	0.002	-	Chloride interference due to a brackish water sample

Kirlin, James

From: Iverson, Bruce
Sent: Friday, April 10, 2015 8:56 AM
To: Gonyea, Donald
Cc: Kirlin, James
Subject: Exide-Mill River: March 2015 NPDES Permit Effluent Results - Prior to Start-up of Dredging
Attachments: WQ Lab Results Summary_2015 03_March STORMWATER DRAFT.pdf

Don, attached is a summary of the March 2015 NPDES Permit effluent results, prior to the start of dredging on March 23, 2015. Treated effluent from the water treatment plant began discharging on March 12, 2015. This effluent consisted of weep water from the dewatering geotextile tube bags, and snow melt/rain water that accumulated since mid-December 2014.

TRC will NOT include these results (i.e., prior to dredging) in the March DMR form as these results may not be representative of effluent under dredging conditions. However, this email will be an attachment to the DMR effluent form. TRC will include the effluent results once dredging began on March 23, 2015 in the March DMR form.

If you have any questions, please contact me. Thanks, Bruce

Bruce Iverson, P.E. (WI)
Senior Project Manager



708 Heartland Trail, Suite 3000, Madison, WI 53717
T: 608.826.3644 | F: 608.826.3941 | C: 608.235.4963

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [Flickr](#) | www.trcsolutions.com

DRAFT - preliminary results. This is not an official report and is not certified.

Date	Total Arsenic (mg/L)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Effluent Flow (gal)	Total Lead (mg/L)	Total Lead (g/d)	Total Mercury (mg/L)	Ammonia (total as N) (mg/L)	Total Selenium (mg/L)	Total Silver (mg/L)	TSS (mg/L)	Total Zinc (mg/L)	Total Aluminum (mg/L)	Total Iron (mg/L)
3/1/15															
3/2/15															
3/3/15															
3/4/15															
3/5/15															
3/6/15															
3/7/15															
3/8/15															
3/9/15															
3/10/15															
3/11/15															
3/12/15	< 0.004	< 0.01	< 0.005	0.00738	244,349	< 0.003	< 2.77	< 0.0002	0.897	< 0.01	< 0.005	< 2	0.22	0.0616	0.121
3/13/15					381,241										
3/14/15					108,815										
3/15/15															
3/16/15															
3/17/15															
3/18/15															
3/19/15															
3/20/15					155,558	< 0.003	< 1.77							0.118	
3/21/15					176,038										
3/22/15					5,264										
3/23/15															
3/24/15															
3/25/15															
3/26/15															
3/27/15															
3/28/15															
3/29/15															
3/30/15															
3/31/15															

Noael Static 48 HR Acute - Menidia beryllina
 Noael Static 48 HR Acute - Mysidopsis bahia

100 %
 98 %

Whole Effluent Toxicity [WET] - Menidia beryllina
 Whole Effluent Toxicity [WET] - Mysidopsis bahia
 (Toxicity Test Sampled 3/12/15)

100 %
 96 %