



**CONESTOGA-ROVERS
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February 13, 2014

Mr. Nate Nemani
Project Manager
U.S. EPA, Region 5
Waste, Pesticide and Toxins Division
77 West Jackson Boulevard DW-8J
Chicago, Illinois 60604-3590

Dear Mr. Nemani:

Re: 2013 CA 750 Environmental Indicator Annual Monitoring Results
EPA ID #MID 041 793 340
RACER Nodular Facility - Saginaw, Michigan

This letter summarizes the CA 750 Environmental Indicators (EI) monitoring activities related to the Nodular Facility that is owned and operated by Revitalizing Auto Communities Environmental Response Trust (RACER) in Saginaw, Michigan.

The annual CA 750 EI monitoring was completed on November 12th and 13th, 2013.

Revisions were made to the 2013 EI monitoring program in accordance with the 2012 CA 750 EI Annual Monitoring Results recommendations dated March 11, 2013, with the exception that monitoring at MW-04257 for ammonia will continue. In addition the 2013 EI monitoring program was also modified in accordance with the North Ditch Characterization Memorandum dated October 2, 2013. The modifications were approved by U.S. EPA during a Site meeting on November 6, 2013 and memorialized in an email dated November 29, 2013.

Figure 1 presents databoxes for all RACER EI locations, as well as monitoring wells in the source area of high pH and ammonia, showing all data up to and including the 2013 EI results. As indicated on Figure 1:

- Ammonia was reported above the lowest applicable screening criterion (the GSI criterion of 2,120 µg/L) in three EI monitoring wells ranging in concentration from 4,600 µg/L to 5,200 µg/L. Additional monitoring was conducted in the source area located in the southeast portion of the Former Nodular Plant with concentrations ranging from 4,900 µg/L to 35,000 µg/L.
- pH was reported above the lowest applicable screening criterion (the Non-Residential Drinking Water criterion of 8.5 S.U.) in one EI monitoring well (MW-04250R) at 9.7 S.U. Additional monitoring was conducted in the source area located in the southeast portion of the Former Nodular Plant with readings ranging from 7.45 S.U to 12.12 S.U.



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In summary, the results of the 2013 EI monitoring results are generally consistent or lower than the data evaluated in the RCRA CA725 & CA750 Environmental Indicators Supporting Documentation dated September 17, 2003.

Based on the results of the annual EI monitoring conducted in 2013, RACER is proposing to modify the EI monitoring program for 2014. Table 1 presents the EI monitoring program and proposed modifications for the 2014 EI sampling event for your review. As indicated on Table 1, RACER is proposing the following modifications to the 2014 EI monitoring program:

- Remove sampling for cyanide at MW-03945, MW-04051 , MW-04250R, MW-04257, and MW-04757 since the most recent four consecutive rounds reported concentrations below the screening criteria
- Add monitoring well MW-04040 to be analyzed for ammonia

In addition, U.S. EPA approved the following modifications to the EI monitoring program in the November 6, 2013 Site meeting, which was memorialized in an email dated November 29, 2013.

- Add monitoring well locations MW-04836, MW-05036, and MW-8 in the area where there was historically high concentrations of pH and ammonia
- Add monitoring well location MW-04835 to provide delineation to the south (for pH and ammonia)
- Discontinue monitoring of MW-04765 and MW-04864 since results from these locations would be influenced by the City of Saginaw Waste Water Treatment Plant.

Table 1 has been updated to reflect the approved modifications.

Should you have any questions, please do not hesitate to call.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Michael R. Tomka

JP/ac/18

Encl.

cc: Grant Trigger, RACER
Dave Favero, RACER

**EI MONITORING PROGRAM AND PROPOSED MODIFICATIONS
NODULAR FACILITY, SAGINAW, MICHIGAN**

<i>IU</i>	<i>Location</i>	<i>Parameter</i>	<i>Monitoring Purpose</i>	<i>Propose to Eliminate from EI Monitoring</i>	<i>Comments</i>
G	MW-04250/MW-04250R	cyanide (total and amenable)	GSI	Yes	Cyanide did not exceed criteria for four consecutive rounds, therefore cyanide will be removed from future EI monitoring.
G	MW-04250/MW-04250R	mercury	GSI	No	
G	MW-04250/MW-04250R	pH	GSI	No	
G	MW-04250/MW-04250R	ammonia	GSI	No	
G	MW-04757	cyanide (total and amenable)	GSI	Yes	Cyanide did not exceed criteria for four consecutive rounds, therefore cyanide will be removed from future EI monitoring.
G	MW-04757	ammonia	GSI	No	
Wells added in 2007 per EPA's email request dated August 8, 2007.					
G	MW-03945	cyanide (total and amenable)	GSI	Yes	Cyanide did not exceed criteria for four consecutive rounds, therefore cyanide will be removed from future EI monitoring.
G	MW-03945	pH	GSI	No	
G	MW-03945	ammonia	GSI	No	
G	MW-04051	cyanide (total and amenable)	GSI	Yes	Cyanide did not exceed criteria for four consecutive rounds, therefore cyanide will be removed from future EI monitoring.
G	MW-04051	pH	GSI	No	
G	MW-04051	ammonia	GSI	No	
G	MW-04257	cyanide (total and amenable)	GSI	Yes	Cyanide did not exceed criteria for four consecutive rounds, therefore cyanide will be removed from future EI monitoring.
G	MW-04257	pH	GSI	No	
G	MW-04257	ammonia	GSI	No	
Wells added in 2013 per RACER's recommendation dated October 23, 2013					
G	MW-04836	pH	GSI	No	
G	MW-04836	ammonia	GSI	No	
G	MW-04835	pH	GSI	No	
G	MW-04835	ammonia	GSI	No	
G	MW-05036	pH	GSI	No	
G	MW-05036	ammonia	GSI	No	
G	MW-8	pH	GSI	No	
G	MW-8	ammonia	GSI	No	
Well to be added to the the 2014 monitoring program					
G	MW-04040	ammonia	GSI	No	

Notes:

- Table updated to remove select parameters based on 4 consecutive rounds below criteria.
- Wells evaluated using most recent groundwater data compared to appropriate EI criteria.
- Since 2005 all samples for metals analyses have been collected using low flow sampling techniques and were unfiltered.
- GSI = Selected to monitor stability based on exceedances of groundwater surface water interface criteria in most recent samples.
- NA - Not applicable.