

Mr. Ken Mallary
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Subject:

Response to NC DEQ Comments –Post-Removal Action Baseline Groundwater
Monitoring Report.
Former Virginia-Carolina Chemical Company Winston-Salem Site
Winston-Salem, Forsyth County, North Carolina

ENVIRONMENTAL

Date:

September 22, 2016

Dear Mr. Mallary:

Contact:

Anna Hagemeister

On behalf of ExxonMobil Environmental Services Company (EMES), this letter provides responses to comments received from the North Carolina Department of Environmental Quality (NCDEQ) (dated August 4, 2016) regarding the Post-Removal Action Baseline Groundwater Monitoring Report at the Former Virginia-Carolina Chemical Company Winston-Salem Site (Site) located in Winston-Salem, Forsyth County, North Carolina.

Phone:

303-471-3926

Email:

Anna.Hagemeister@arcadis.com

The comment is provided in bold typeface followed by the response in standard typeface.

Our ref:

B0085732

Table 3. Groundwater Field Parameters and Analytical Results –

ARCADIS G&M of North Carolina, Inc.

In accordance with the information submitted as Attachment 1 – Field Notes – October 2014 in the Response to NC DEQ Comments – Post-Removal Action Baseline Groundwater Monitoring Report, please correct Table 3 – Groundwater Field Parameters and Analytical Results of the Post-Removal Action Baseline Groundwater Monitoring Report to indicate that the groundwater sample collected from groundwater monitoring well MW-06 in October 2014 exhibited a Specific Conductance of 0.245 millisiemens per centimeter (mS/cm) and an Oxidation-Reduction Potential (ORP) of 176 millivolts (mV).

Response:

Mr. Ken Mallary
September 22, 2016

Specific conductance and ORP measurements reported on Table 3 of the Post-Removal Action Baseline Groundwater Monitoring Report for WS-MW-06 have been revised to reflect the values recorded in the October 2014 field notes. A revised table is included as an attachment to this letter.

If you have any additional comments or questions, please contact Bruce Frink (813.973.8580) or myself at 303-471-3926.

Sincerely,

Arcadis G&M of North Carolina, Inc.



Anna Hagemeister
Senior Environmental Engineer

Copies:

David Mattison, NCDEQ
Bruce Frink, ExxonMobil

Enclosures:

Attachment

- 1 Table 3 – Groundwater Field Parameters and Analytical Results (Post-Removal Action Baseline Groundwater Monitoring Report)

ATTACHMENT 1

Table 3 –Groundwater Field Parameters and Analytical Results (Post-Removal Action Baseline Groundwater Monitoring Report)



Table 3
Groundwater Field Parameters and Analytical Results
Post-Removal Action Baseline Groundwater Monitoring Report
VCC - Winston-Salem, North Carolina

Location ID:	NC 2L		WS-MW-2R	WS-MW-05	WS-MW-06	WS-MW-07	WS-MW-08	WS-MW-09
Date Collected:	Groundwater		10/20/14	10/21/14	10/20/14	10/20/14	10/21/14	10/21/14
Sample Name:	Standards	Units	WS-MW-2R	WS-MW-05	WS-MW-06	WS-MW-07	WS-MW-08	WS-MW-09
Inorganics								
Arsenic (6010C)	0.01	mg/L	0.0100 U [0.0100 U]	0.00720 J	0.0100 U	0.0160	0.100 U	0.0275
Arsenic (6020C)	0.01	mg/L	NA	NA	NA	NA	0.0523	NA
Lead	0.015	mg/L	0.0117 J [0.0618 J]	0.00270 J	0.0111 J	0.00500 UJ	0.0234 J	0.00700 J
Inorganics - Dissolved								
Arsenic (6010C)	0.01	mg/L	0.0100 U [0.0100 U]	0.00840 J	0.0100 U	0.0117	0.100 U	0.0262
Arsenic (6020C)	0.01	mg/L	NA	NA	NA	NA	0.0503	NA
Lead	0.015	mg/L	0.00570 J [0.0403 J]	0.00290 J	0.00600 J	0.00340 J	0.0217 J	0.00610 J
Field Parameters								
pH	--	s.u.	4.96	4.92	4.30	4.91	4.84	4.82
Specific Conductance	--	mS/cm	0.307	0.224	0.245	1.162	1.120	0.305
Turbidity	--	NTU	16	22	43	17	32	14
Dissolved Oxygen	--	mg/L	5.32	6.26	4.79	1.78	0.18	7.38
Temperature	--	°C	16.87	16.50	16.65	16.22	16.44	15.01
ORP	--	mV	270	242	176	224	145	241

Notes:

Bold and shaded values exceed the MCL

Duplicate sample concentrations are in brackets.

°C - degrees centigrade

s.u. - standard units

mg/L - milligrams per liter

mS/cm - millisiemens per centimeter

mV - millivolts

NTU - Nephelometric Turbidity Units

B - The reported value was obtained from a reading less than the contract-required detection limit, but greater than or equal to the instrument detection limit

J - The analyte was positively identified; however, the associated numerical value is an estimated concentration only

U - The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit

MCL - maximum contaminant level

NA - Not Analyzed