

Seaboard Group II and City of High Point

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Technical Memorandum No. E-1

To: Vance Jackson
From: Jim LaRue
CC: Randy C. Smith
Gary Babb
Chris Thompson
Date: August 4, 2010
Subject: Monitoring Well Abandonment

Attached is a list of monitoring wells that Seaboard Group II and the City of High Point (collectively the Parties) propose to abandon at the former Seaboard Chemical Corporation site and closed Riverdale Drive Landfill (collectively the Site). These wells have been selected based on our belief that they have no present or future purpose for monitoring any of the operable units at the Site, or in determining the effectiveness of the remedy. As a result, the Parties feel that they should be plugged and permanently abandoned in accordance with the procedure outlined in 15A NCAC 02C.0214.

The Parties propose to conduct the abandonment procedure on these wells at a convenient time during the next year. Prior to proceeding we ask that you review the list of proposed wells and provide written authorization to proceed. If you have any questions, or if we may be of any assistance, please feel free to contact Mr. Jim LaRue at 281-431-3571 or Mr. Tom Wilson at 704-541-8345.

Thank you,



James C. LaRue
Oversight Consultant

Attachments

**Table 1 - Monitor Wells Proposed For Abandonment
Former Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina**

WELL	GROUND ELEVATION (FT. MSL)	TOTAL DEPTH (FT. BGS)	SCREEN LENGTH (FT.)	SCREEN INTERVAL		AQUIFER / MONITORING ZONE	SITE LOCATION	RATIONALE FOR ABANDONMENT
				FROM	TO			
				(FT. BGS)	(FT. BGS)			
LANDFILL MONITORING WELLS (7)								
LM-1	~773	68	20	46	66	Landfill Base/Leachate	Central landfill area near SIS	Not used. Land surface settling around wellhead.
LM-2	~759	48.4	20	28.4	48.4	Landfill Base/Leachate	Southern landfill area west of PW-10 well cluster	Not used. Land surface settling around wellhead.
MW-2A	711.8	19	15	4	19	Shallow Bedrock	North side of SIS near SIS pipe inlet	MW-2C (TD=48') located within 10 ft.
MW-2B	711	-	-	-	30	Shallow Bedrock	North side of SIS near SIS pipe inlet	MW-2C (TD=48') located within 10 ft.
MW-13	709.68	35	15	20	35	Saprolite	East side of northern landfill area	Well cluster MW-12A/MW-12B/MW-12D located within 95 ft.
MW-14	763.8	35	15	20	35	Shallow Bedrock	Adjacent to Soil Residue Mound	Well cluster MW-15A/MW-15B located within 35 ft.
PW-2D	778.8	101	20	80	100	Shallow Bedrock	North of former maintenance garage	Wellhead destroyed.
SEABOARD PROPERTY MONITORING WELLS (17)								
OW-SF2*	728.87	120	40	80	120	Shallow Bedrock	North of former Seaboard Chemical facility.	OW-SF1 (TD=120') located within 70 ft.
PW-SF1*	732.14	120	25	95	120	Shallow Bedrock	North of former Seaboard Chemical facility.	OW-SF1 (TD=120') located within 50 ft.
W-2	723.3	35	12	23	35	Shallow Bedrock	North of former Seaboard Chemical facility	Well W-14 located within 90 ft.
W-3	718.2	26.7	11	15.7	26.7	Shallow Bedrock	North of former Seaboard Chemical facility	Well W-14 located within 50 ft.
W-3A	718.2	16	5	11	16	PWR	North of former Seaboard Chemical facility	Well W-14 located within 50 ft.
W-3B	718.22	13	10	3	13	Saprolite/PWR	North of former Seaboard Chemical facility	Well W-14 located within 50 ft.
W-6	742.17	57	15	42	57	PWR	Northeast corner of former Seaboard Chemical facility	Well cluster MW-7A/MW-7B located within 65 ft.
W-6A	742.91	90	10	80	90	Shallow Bedrock	Northeast corner of former Seaboard Chemical facility	Well cluster MW-7A/MW-7B located within 65 ft.
W-6B	743.13	35	15	20	35	PWR	Northeast corner of former Seaboard Chemical facility	Well cluster MW-7A/MW-7B located within 65 ft.
W-13	752.4	20	10	10	20	PWR	Northwest corner of former Seaboard Chemical facility	Well W-18 (TD=41') located within 30 ft.
W-13A	752.4	37	10	27	37	PWR	Northwest corner of former Seaboard Chemical facility	Well W-18 (TD=41') located within 30 ft.
W-15	760	55	20	35	55	PWR	North central area of former Seaboard Chemical facility	Well W-5 (TD=60') located within 75 ft.
W-16	739.8	38	10	28	38	PWR	North central area of former Seaboard Chemical facility	Well cluster W-12/W-12A located within 65 ft.
W-19	744.3	40	10	30	40	PWR	North of former Seaboard Chemical facility	Well W-5 (TD=60') located within 40 ft.
W-23B	769.6	55	15	40	55	Shallow Bedrock	East of Soil Residue Mound	Well W-23A (TD=75') located within 10 ft.
W-26	759.2	53	15	38	53	Shallow Bedrock	West central area of former Seaboard Chemical facility	Wellhead damaged; well W-13 located within 175 ft.
W-27	765.5	58.5	15	43.5	58.5	Shallow Bedrock	Southwest area of former Seaboard Chemical facility	Well W-1 (TD=64') located within 125 ft.

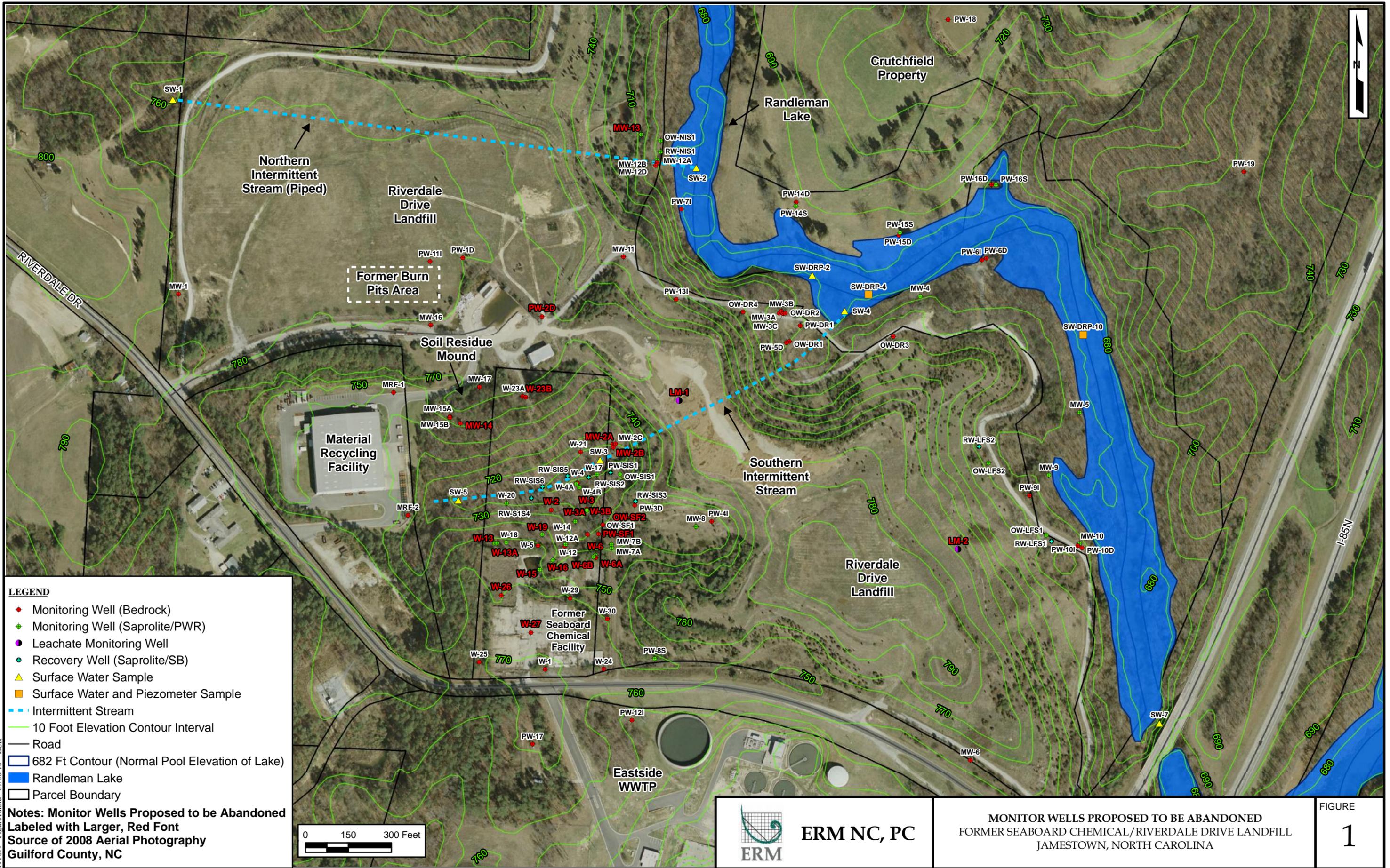
1175.6

PWR = Partially Weathered Rock

MSL = Mean Sea Level BGS = Below Ground Surface

* 6-inch open bedrock borehole completion

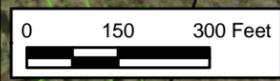
All wells are constructed as 2-inch PVC wells unless noted



LEGEND

- Monitoring Well (Bedrock)
- ◆ Monitoring Well (Saprolite/PWR)
- Leachate Monitoring Well
- Recovery Well (Saprolite/SB)
- ▲ Surface Water Sample
- Surface Water and Piezometer Sample
- Intermittent Stream
- 10 Foot Elevation Contour Interval
- Road
- 682 Ft Contour (Normal Pool Elevation of Lake)
- Randleman Lake
- Parcel Boundary

Notes: Monitor Wells Proposed to be Abandoned Labeled with Larger, Red Font
 Source of 2008 Aerial Photography
 Guilford County, NC



ERM NC, PC

MONITOR WELLS PROPOSED TO BE ABANDONED
 FORMER SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
 JAMESTOWN, NORTH CAROLINA

FIGURE
1

111699 Figure1.mxd 07/30/10 LCR