



Shaw Environmental, Inc.

A World of **Solutions**[™]

May 15, 2008

Mr. Nate Nemani, P.E.
Environmental Engineer
USEPA Region 5
Waste, Pesticides and Toxics Division
77 West Jackson Boulevard (DW-8J)
Chicago, IL 60604-3590

Subject: **Transmittal
Analytical Results
PPG Oak Creek Facility
Oak Creek, Wisconsin
EPA ID# WID059972935
Wisconsin FID# 241014620**

Dear Mr. Nemani:

On behalf of PPG Industries, Inc., Shaw Environmental, Inc. is transmitting with this letter the tabulated analytical results and the groundwater elevation map generated as a result of the March 2008 sampling event at the former tank farm area of the Oak Creek Wisconsin facility. Samples and groundwater elevation information were collected on March 27, 2008 in accordance with the July 9, 2004 letter to you and the October 19, 2006 Hydrogeologic Evaluation Work Plan (Plan).

Consistent with the Plan, the next sampling event is being scheduled for late June 2008. We continue to monitor analytical results, water levels, and the possible need to restart the underdrain system or implement other measures.

If you have questions regarding the analytical results or wish to receive a copy of the entire report, please let me know.

Sincerely,

William Stanhope
Project Manager

WS/bam
Enclosures

Mr. Nate Nemani, P.E.
USEPA Region 5
May 15, 2008
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BTEX Analytical Results in Groundwater
May 2002 through March 2008
PPG Industries, Inc., Oak Creek, Wisconsin

Well ID	Sample Date	Constituent (ug/L)			
		Benzene	Ethylbenzene	Toluene	Xylenes (Total)
MCL		5.0	700	1,000	10,000
LW-2	5/2/02	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/04	ND (5)	ND (5)	ND (5)	ND (5)
	1/31/05	ND (5)	ND (5)	ND (5)	ND (5)
	7/5/05	ND (5)	ND (5)	ND (5)	ND (5)
	1/23/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/06	ND (0.4)	0.4 J	ND (5)	2.2 J
	11/16/06	ND (0.4)	0.39 J	0.36 J	3.0 J
	2/21/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	12/13/07	ND (0.4)	0.33 J	ND (5)	1.3 J
3/27/08	ND (0.4)	ND (5)	0.78 J	ND (5)	
LW-6	5/1/02	ND (0.4)	0.44	ND (5)	0.74
	7/26/04	ND (5)	ND (5)	ND (5)	ND (5)
	1/31/05	ND (5)	ND (5)	ND (5)	ND (5)
	7/5/05	ND (5)	ND (5)	ND (5)	ND (5)
	1/23/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/06	ND (0.4)	ND (5)	0.36 J	0.67 J
	11/16/06	ND (0.4)	0.5 J	ND (5)	0.84 J
	2/21/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	0.31 J	ND (5)	0.65 J
	12/13/07	ND (0.4)	ND (5)	0.33 J	0.51 J
3/27/08	ND (0.4)	ND (5)	ND (5)	0.66 J	
LW-5	5/1/02	0.48	160	ND (5)	180
	7/26/04	0.49	99.7	ND (5)	6.27
	1/31/05	0.54	36.8	ND (5)	0.878
	7/5/05	0.314	13.8	ND (5)	1.52
	1/23/06	0.39	0.51	ND (5)	ND (5)
	7/26/06	0.39 J	1.9 J	0.33 J	1.1 J
	11/16/06	0.36 J	66	ND (5)	7.6
	2/21/07	0.23 J	120	ND (5)	5.7
	7/18/07	0.13 J	5.3	ND (5)	2.0 J
	9/25/07	0.26 J	3.4 J	ND (5)	0.87 J
	12/13/07	0.23 J	2.1 J	0.29 J	0.91 J
3/27/08	ND (0.4)	0.27 J	0.47 J	0.89 J	
TF-1	5/1/02	0.5	0.82	ND (5)	1.2
	7/26/04	0.37	ND (5)	ND (5)	ND (5)
	1/31/05	ND (5)	ND (5)	ND (5)	ND (5)
	7/5/05	ND (5)	ND (5)	ND (5)	ND (5)
	1/23/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/06	ND (0.4)	1.3 J	ND (5)	4.3 J
	11/16/06	3.8	39	3.0 J	16
	2/21/07	5.9	750	0.85 J	58
	7/18/07	2.4	220	6.7 J	110
	9/25/07	0.9	23	0.56 J	9.5
	12/13/07	2.1	180	0.91 J	120
3/27/08	2.3	95	1.1 J	53	

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Well ID	Sample Date	Constituent (ug/L)			
		Benzene	Ethylbenzene	Toluene	Xylenes (Total)
MCL		5.0	700	1,000	10,000
TF-2	5/1/02	NS	NS	NS	NS
	7/26/04	0.876	647	ND (5)	2,160
	1/31/05	0.589	74	ND (5)	ND (5)
	7/5/05	0.805	1.45	ND (5)	ND (5)
	1/23/06	0.95	37	ND (5)	0.58
	7/26/06	0.61	44	ND (5)	95
	11/16/06	0.45	1,100	0.41 J	89
	2/21/07	ND (2)	340	ND (25)	700
	7/18/07	ND (2)	350	ND (25)	2,700
	9/25/07	ND (4)	88	ND (50)	1,100
	12/13/07	0.81	79	0.5 J	210
3/27/08	2.1	880	5.2	2,600	
TF-3	5/1/02	2	190	280	1,300
	7/26/04	2.39	207	190	2,190
	1/31/05	4.62	178	256	3,890
	7/5/05	6.13	227	384	3,680
	1/23/06	1.6	99	32	570
	7/26/06	6.1	600	920	5,100
	11/16/06	7.3	1,200	290	5,500
	2/21/07	27	1,900	1,500	11,000
	7/18/07	51	4,100	9,000	45,000
	9/25/07	57 J	3,400	5,100	28,000
	12/13/07	38 J	2,800	1,900	15,000
3/27/08	45 J	3,400	6,800	32,000	
MW-10	5/1/02	NS	NS	NS	NS
	7/26/04	NS	NS	NS	NS
	1/31/05	NS	NS	NS	NS
	7/5/05	NS	NS	NS	NS
	1/23/06	NS	NS	NS	NS
	7/26/06	ND (0.4)	ND (5)	ND (5)	0.64 J
	11/16/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	2/21/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	12/13/07	ND (0.4)	ND (5)	0.65 J	3.9 J
3/27/08	ND (0.4)	ND (5)	ND (5)	ND (5)	
MW-11	5/1/02	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/04	ND (5)	ND (5)	ND (5)	ND (5)
	1/31/05	ND (5)	ND (5)	ND (5)	ND (5)
	7/5/05	ND (5)	ND (5)	ND (5)	ND (5)
	1/23/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	11/16/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	2/21/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	12/13/07	ND (0.4)	ND (5)	ND (5)	ND (5)
3/27/08	ND (0.4)	ND (5)	0.67 J	ND (5)	

BTEX Analytical Results in Groundwater
May 2002 through March 2008
PPG Industries, Inc., Oak Creek, Wisconsin

Well ID	Sample Date	Constituent (ug/L)			
		Benzene 5.0	Ethylbenzene 700	Toluene 1,000	Xylenes (Total) 10,000
MCL					
MW-12	5/1/02	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/04	ND (5)	ND (5)	ND (5)	ND (5)
	1/31/05	ND (5)	ND (5)	ND (5)	ND (5)
	7/5/05	ND (5)	ND (5)	ND (5)	ND (5)
	1/23/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/26/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	11/16/06	ND (0.4)	ND (5)	ND (5)	ND (5)
	2/21/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	12/13/07	ND (0.4)	ND (5)	0.26 J	0.84 J
	3/27/08	ND (0.4)	ND (5)	0.57 J	ND (5)
MW-14	7/18/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	9/25/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	12/13/07	ND (0.4)	ND (5)	ND (5)	ND (5)
	3/27/08	ND (0.4)	ND (5)	0.61 J	ND (5)

MCL = Maximum Contaminant Level

ND (5) = Not detected at the detection limit in parentheses

NS = Not sampled

Groundwater Elevations July 2004 through March 2008
Based on January 2006 Re-Survey
PPG Industries, Inc., Oak Creek, Wisconsin

Monitoring Well ID	Ground Elevation (msl)	TOC Elevation (msl)	July 2004		January 2005		July 2005		January 2006		July 2006		November 2006		
			Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	
LP-2**	696.83	697.79	NM	---	NM	---	NM	---	14.55	683.24	14.4	683.39	11.77	686.02	
LP-3	695.84	696.18	NM	---	NM	---	NM	---	12.77	683.41	12.11	684.07	9.94	686.24	
LW-2	697.34	698.62	12.75	685.87	13.76	684.86	14.33	684.29	12.87	685.75	11.64	686.98	11.26	687.36	
LW-3	695.76	696.39	NM	---	NM	---	NM	---	12.7	683.69	12.4	683.99	11.67	684.72	
LW-5	695.79	698.40	15.54	682.86	15.49	682.91	15.62	682.78	15.75	682.65	15.75	682.65	12.89	685.51	
LW-6	695.61	698.19	14.06	684.13	14.49	683.7	14.13	684.06	14.26	683.93	13.88	684.31	12.66	685.53	
MW-10	693.18	696.43	Well Damaged; Not Measured									9.18	687.25	9.47	686.96
MW-11	689.20	691.60	6.47	685.13	6.87	684.73	8.0	683.6	5.4	686.2	6.43	685.17	5.18	686.42	
MW-12	685.60	687.92	7.03	680.89	6.41	681.51	9.74	678.18	5.44	682.48	8.31	679.61	5.49	682.43	
MW-13	683.80	686.35	NM	---	NM	---	NM	---	NM	---	6.48	679.87	5.10	681.25	
MW-14	694.30	693.70	NM	---	NM	---	NM	---	NM	---	6.77	686.93	6.10	687.6	
MW-15**	696.30	698.97	NM	---	NM	---	NM	---	13.05	685.92	12.54	686.43	12.09	686.88	
MW-16	696.30	698.36	NM	---	NM	---	NM	---	NM	---	NM	---	NM	---	
TF-1	697.53	699.31	15.84	683.47	15.98	683.33	15.9	683.41	15.97	683.34	15.9	683.41	13.75	685.56	
TF-2	696.82	698.00	17.05	680.95	17.14	680.86	17.05	680.95	17.07	680.93	17.1	680.9	12.38	685.62	
TF-3	697.61	699.64	18.00	681.64	18.13	681.51	18.01	681.63	18.10	681.54	18.05	681.59	14.00	685.64	
TF-4	697.52	699.18	NM	---	NM	---	NM	---	16.12	683.06	15.62	683.56	13.26	685.92	

TOC = top of casing

BOW = bottom of well

NM = not measured

** = Deep Monitoring Well - not used for groundwater contours.

Groundwater Elevations July 2004 through March 2008
Based on January 2006 Re-Survey
PPG Industries, Inc., Oak Creek, Wisconsin

Monitoring Well ID	Ground Elevation (msl)	TOC Elevation (msl)	February 2007		July 2007		September 2007		December 2007		March 2008	
			Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation	Depth to Water (TOC)	Ground-water Elevation
LP-2**	696.83	697.79	9.87	687.92	NM	---	9.24	688.55	9.35	688.44	8.57	689.22
LP-3	695.84	696.18	9.87	686.31	NM	---	8.84	687.34	8.95	687.23	8.83	687.35
LW-2	697.34	698.62	10.41	688.21	9.43	689.19	9.61	689.01	10.08	688.54	9.24	689.38
LW-3	695.76	696.39	7.62	688.77	NM	---	7.46	688.93	7.41	688.98	6.62	689.77
LW-5	695.79	698.40	9.91	688.49	9.69	688.71	9.68	688.72	9.59	688.81	8.35	690.05
LW-6	695.61	698.19	9.74	688.45	9.48	688.71	9.52	688.67	9.38	688.81	8.20	689.99
MW-10	693.18	696.43	11.26	685.17	10.09	686.34	9.44	686.99	10.52	685.91	8.22	688.21
MW-11	689.20	691.60	6.96	684.64	7.57	684.03	6.87	684.73	4.65	686.95	2.63	688.97
MW-12	685.60	687.92	7.40	680.52	9.02	678.9	7.62	680.3	6.97	680.95	2.70	685.22
MW-13	683.80	686.35	6.05	680.3	NM	---	6.38	679.97	4.43	681.92	2.64	683.71
MW-14	694.30	693.70	6.99	686.71	6.15	687.55	6.96	686.74	5.91	687.79	5.51	688.19
MW-15**	696.30	698.97	12.05	686.92	NM	---	10.82	688.15	11.24	687.73	10.86	688.11
MW-16	696.30	698.36	NM	---	NM	---	7.64	690.72	7.25	691.11	6.26	692.1
TF-1	697.53	699.31	10.60	688.71	10.54	688.77	10.53	688.78	10.50	688.81	9.44	689.87
TF-2	696.82	698.00	9.28	688.72	9.09	688.91	8.97	689.03	8.90	689.1	7.48	690.52
TF-3	697.61	699.64	10.90	688.74	10.99	688.65	NM	---	NM	---	10.19	689.45
TF-4	697.52	699.18	10.42	688.76	NM	---	10.01	689.17	10.10	689.08	8.30	690.88

TOC = top of casing

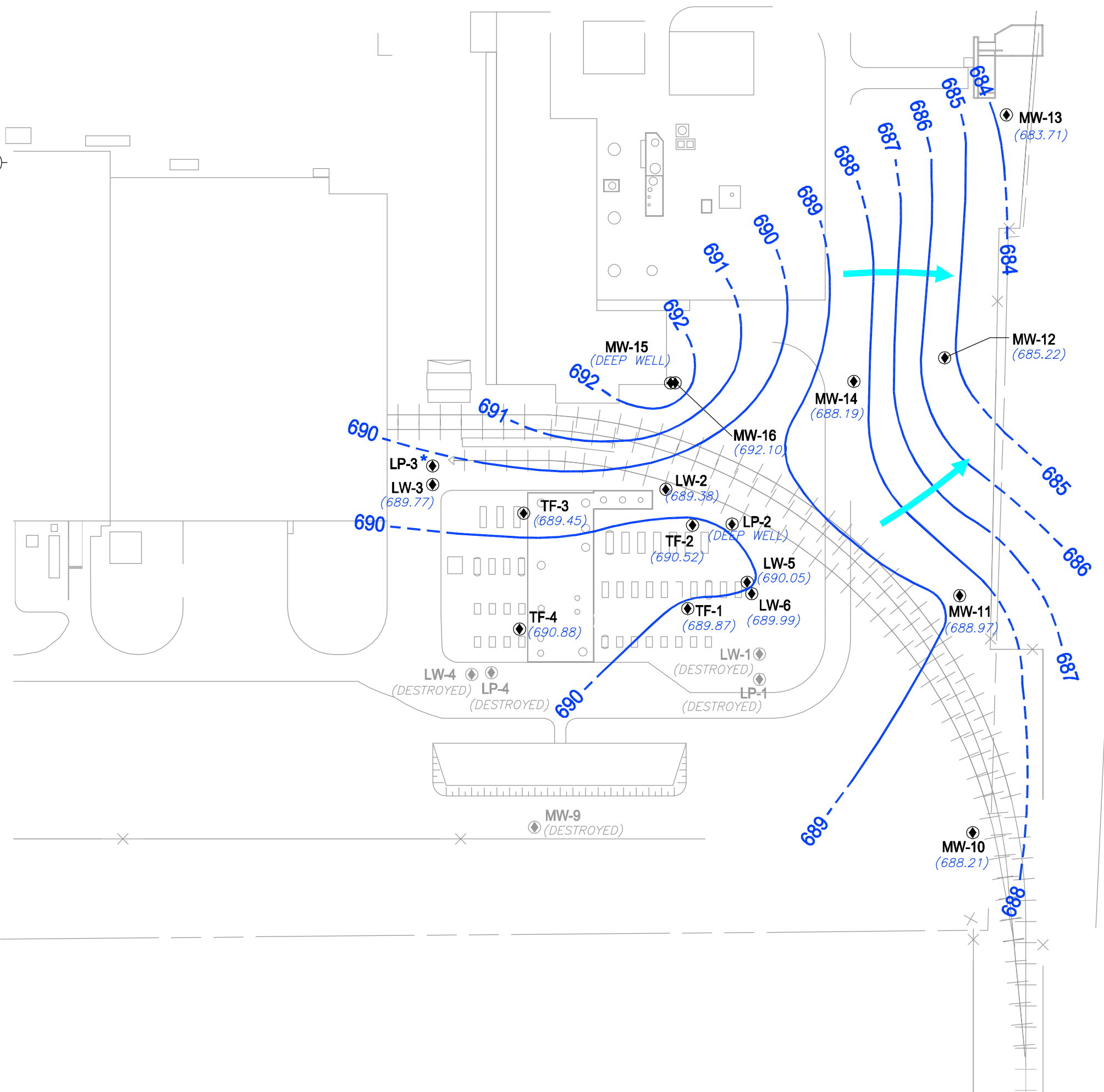
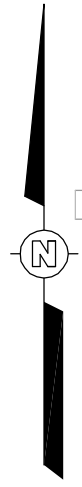
BOW = bottom of well

NM = not measured




** = Deep Monitoring Well - not used for groundwater

O:\Project\PPG\119637\119637B11.dwg
 Image: 12-13-07
 Plot Date/Time: 02/27/08 04:10pm
 Xref: . 3623_001
 Plotted by: bernadette.oconnor
 9 25 07

OFFICE Pittsburgh, PA
 DRAWN BY E. Schlegel | 5/13/08
 CHECKED BY W. Stanhope
 APPROVED BY
 DRAWING NUMBER 119637-B11




LEGEND:

-  MONITORING WELL LOCATIONS
- (690.88) GROUNDWATER ELEVATION (MSL)
-  GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
-  DIRECTION OF GROUNDWATER FLOW

- NOTES:**
1. WATER ELEVATIONS WERE GAUGED AT SOME DEEP WELLS BUT THE GROUND-WATER ELEVATIONS ARE NOT PROVIDED ON THE MAP BECAUSE THESE DATA ARE NOT USED FOR CONTOURING.
 2. BASED ON WATER LEVELS MEASURED MARCH 27, 2008.
 3. DEEP WELLS (MW-15 AND LP-2) NOT USED FOR CONTOURING PURPOSES.
 4. * LP-3 NOT USED FOR CONTOURING PURPOSES SINCE IT IS SCREENED FROM 30-35'.





Shaw Shaw Environmental, Inc.

PPG INDUSTRIES, INC.
OAK CREEK, WISCONSIN

FIGURE 1
GROUNDWATER ELEVATION MAP
MARCH 27, 2008

HYDROGEOLOGIC EVALUATION
OAK CREEK, WISCONSIN