

BTEX Analytical Results in Groundwater
May 2002 through December 2007
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
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
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
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

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		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
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
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
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)

**BTEX Analytical Results in Groundwater
May 2002 through December 2007
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
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)

MCL = Maximum Contaminant Level

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

NS = Not sampled

Groundwater Elevations July 2004 through December 2007
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		
			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	
LP-3	695.84	696.18	NM	---	NM	---	NM	---	12.77	683.41	12.11	684.07	
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	
LW-3	695.76	696.39	NM	---	NM	---	NM	---	12.7	683.69	12.4	683.99	
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	
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	
MW-10	693.18	696.43	Well Damaged; Not Measured									9.18	687.25
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	
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	
MW-13	683.80	686.35	NM	---	NM	---	NM	---	NM	---	6.48	679.87	
MW-14	694.30	693.70	NM	---	NM	---	NM	---	NM	---	6.77	686.93	
MW-15**	696.30	698.97	NM	---	NM	---	NM	---	13.05	685.92	12.54	686.43	
MW-16	696.30	698.36	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	
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	
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	
TF-4	697.52	699.18	NM	---	NM	---	NM	---	16.12	683.06	15.62	683.56	

TOC = top of casing

BOW = bottom of well

NM = not measured

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

Groundwater Elevations July 2004 through December 2007
Based on January 2006 Re-Survey
PPG Industries, Inc., Oak Creek, Wisconsin

Monitoring Well ID	Ground Elevation (msl)	TOC Elevation (msl)	November 2006		February 2007		July 2007		September 2007		December 2007	
			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	11.77	686.02	9.87	687.92	NM	---	9.24	688.55	9.35	688.44
LP-3	695.84	696.18	9.94	686.24	9.87	686.31	NM	---	8.84	687.34	8.95	687.23
LW-2	697.34	698.62	11.26	687.36	10.41	688.21	9.43	689.19	9.61	689.01	10.08	688.54
LW-3	695.76	696.39	11.67	684.72	7.62	688.77	NM	---	7.46	688.93	7.41	688.98
LW-5	695.79	698.40	12.89	685.51	9.91	688.49	9.69	688.71	9.68	688.72	9.59	688.81
LW-6	695.61	698.19	12.66	685.53	9.74	688.45	9.48	688.71	9.52	688.67	9.38	688.81
MW-10	693.18	696.43	9.47	686.96	11.26	685.17	10.09	686.34	9.44	686.99	10.52	685.91
MW-11	689.20	691.60	5.18	686.42	6.96	684.64	7.57	684.03	6.87	684.73	4.65	686.95
MW-12	685.60	687.92	5.49	682.43	7.40	680.52	9.02	678.9	7.62	680.3	6.97	680.95
MW-13	683.80	686.35	5.10	681.25	6.05	680.3	NM	---	6.38	679.97	4.43	681.92
MW-14	694.30	693.70	6.10	687.6	6.99	686.71	6.15	687.55	6.96	686.74	5.91	687.79
MW-15**	696.30	698.97	12.09	686.88	12.05	686.92	NM	---	10.82	688.15	11.24	687.73
MW-16	696.30	698.36	NM	---	NM	---	NM	---	7.64	690.72	7.25	691.11
TF-1	697.53	699.31	13.75	685.56	10.60	688.71	10.54	688.77	10.53	688.78	10.50	688.81
TF-2	696.82	698.00	12.38	685.62	9.28	688.72	9.09	688.91	8.97	689.03	8.90	689.1
TF-3	697.61	699.64	14.00	685.64	10.90	688.74	10.99	688.65	NM	---	NM	---
TF-4	697.52	699.18	13.26	685.92	10.42	688.76	NM	---	10.01	689.17	10.10	689.08

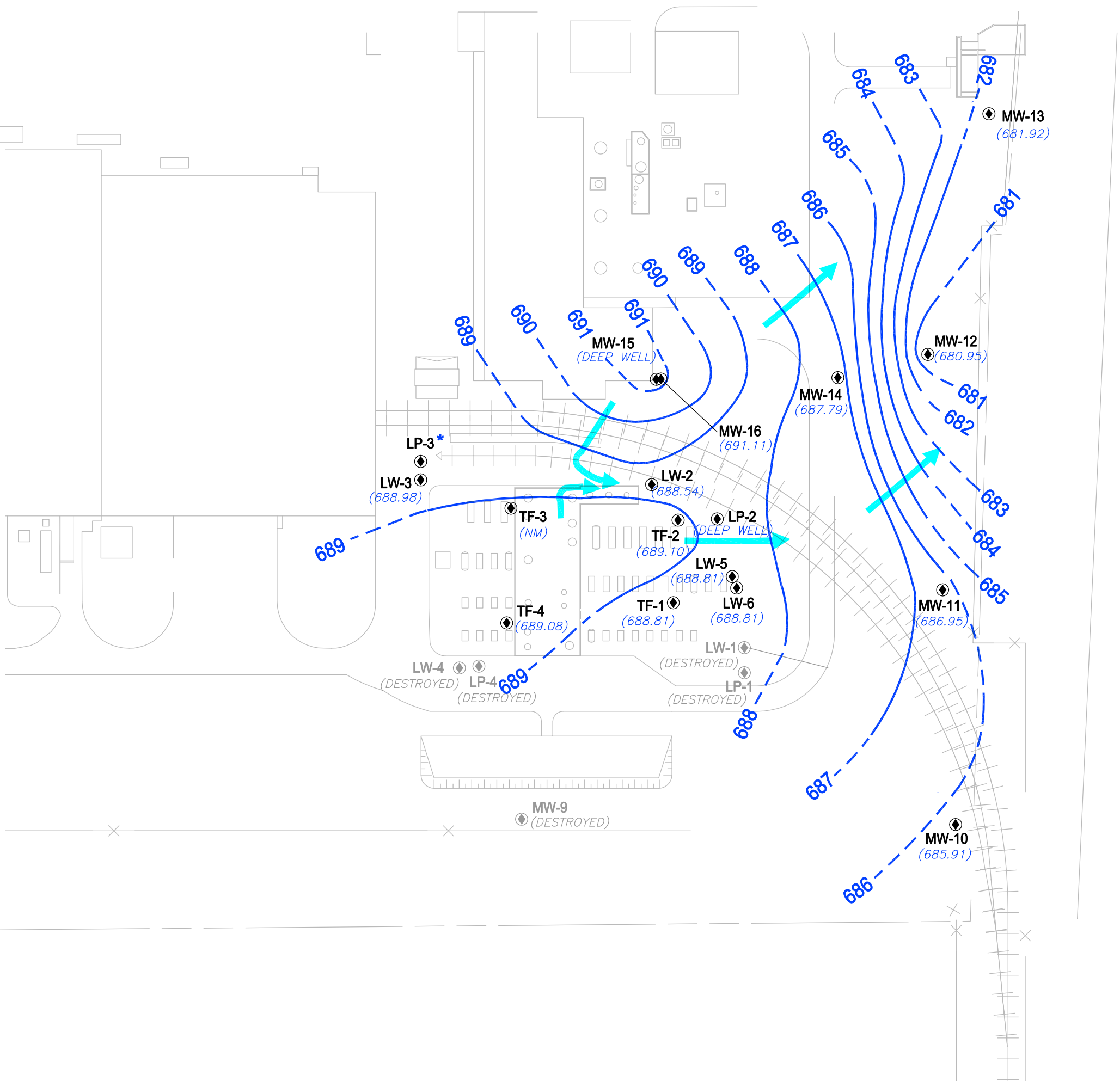
TOC = top of casing

BOW = bottom of well

NM = not measured

** = Deep Monitoring Well - not used for groundwater

O:\Project\PPG\119637\119637B11.dwg
 Plot Date/Time: 02/27/08 04:10pm
 Plotted by: bernadette.oconnor
 Image: 12-13-07
 Xref: . 3623_001
 OFFICE: Pittsburgh, PA
 DRAWN BY: B. Faison
 CHECKED BY: W. Stanhope
 APPROVED BY: -
 DRAWING NUMBER: 119637-B11



LEGEND:

- MONITORING WELL LOCATIONS
- (681.92) GROUNDWATER ELEVATION (MSL)
- (NM) NOT MEASURED
- 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 DECEMBER 13, 2007.
 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'.

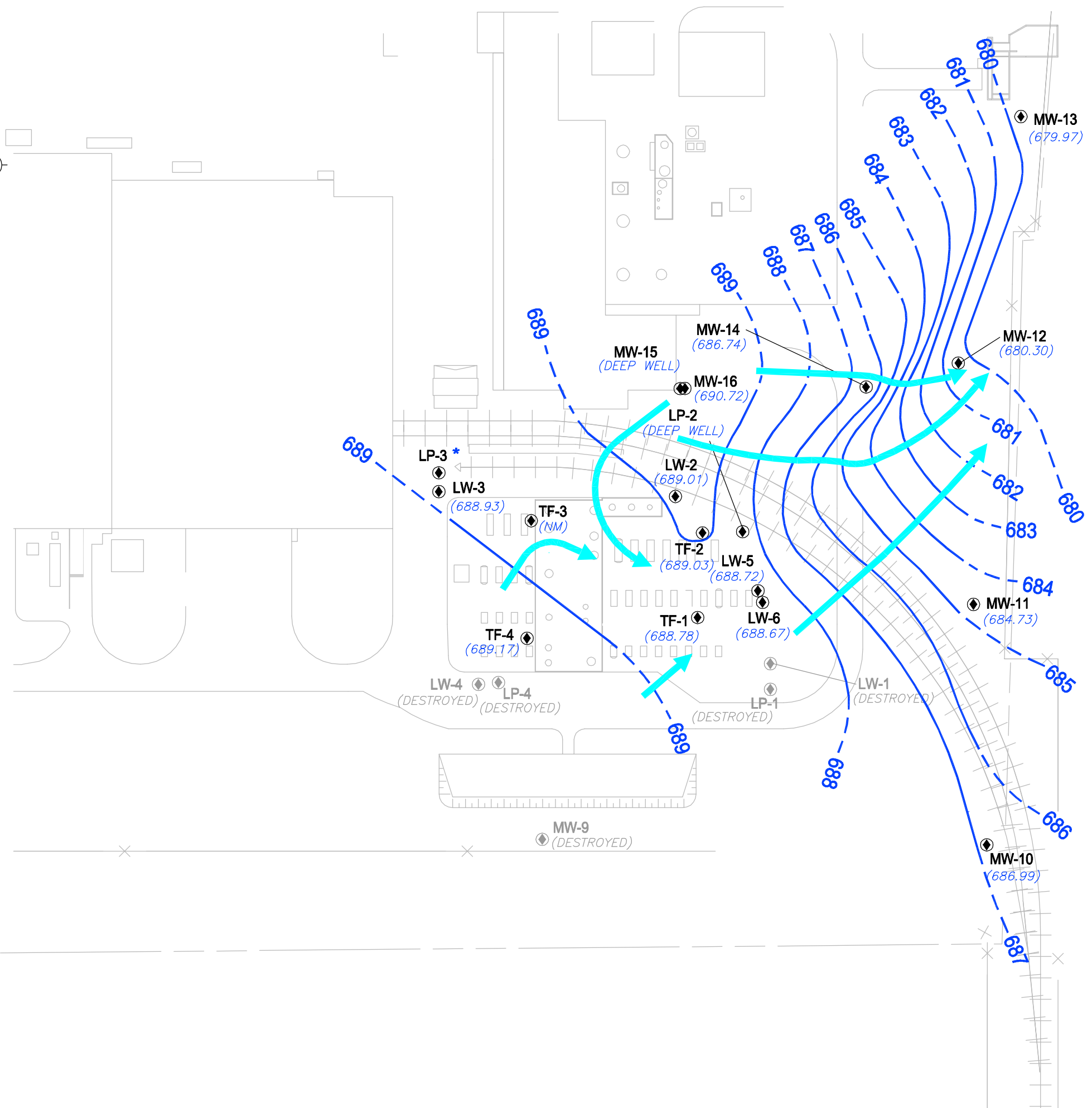
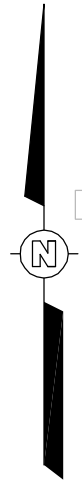


Shaw Shaw Environmental, Inc.

PPG INDUSTRIES, INC.
OAK CREEK, WISCONSIN

FIGURE 1
GROUNDWATER ELEVATION MAP
DECEMBER 13, 2007

HYDROGEOLOGIC EVALUATION
OAK CREEK WISCONSIN



LEGEND:

- MONITORING WELL LOCATIONS
- (688.78) GROUNDWATER ELEVATION (MSL)
- (NM) NOT MEASURED
- 682 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 SEPTEMBER 25, 2007.
 3. DEEP WELLS (MW-15 AND LP-2) NOT USED FOR CONTOURING PURPOSES.
 4. * LP-3 WAS NOT USED FOR CONTOURING PURPOSES SINCE IT IS SCREENED FROM 30-35'.



PPG INDUSTRIES, INC.
 OAK CREEK, WISCONSIN

FIGURE 1
GROUNDWATER ELEVATION MAP
SEPTEMBER 25, 2007

HYDROGEOLOGIC EVALUATION
 OAK CREEK, WISCONSIN