APPENDIX G

AIR MONITORING DATA

pDR-1000
Tag Number: 01
Number of logged points: 23
Start time and date: 10:41:44 24-May
Elapsed time: 05:45:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.106 mg/m³
Time at maximum: 12:26:49 May 24
Max STEL Concentration: 0.036 mg/m³
Time at max STEL: 12:36:44 May 24
Overall Avg Conc: 0.020 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	24 May	10:56:44	0.022
2	24 May	11:11:44	0.021
3	24 May	11:26:44	0.020
4	24 May	11:41:44	0.022
5	24 May	11:56:44	0.025
6	24 May	12:11:44	0.023
7	24 May	12:26:44	0.030
8	24 May	12:41:44	0.033
9	24 May	12:56:44	0.024
10	24 May	13:11:44	0.023
11	24 May	13:26:44	0.021
12	24 May	13:41:44	0.019
13	24 May	13:56:44	0.020
14	24 May	14:11:44	0.021
15	24 May	14:26:44	0.020
16	24 May	14:41:44	0.021
17	24 May	14:56:44	0.016
18	24 May	15:11:44	0.016
19	24 May	15:26:44	0.017
20	24 May	15:41:44	0.015
21	24 May	15:56:44	0.017
22	24 May	16:11:44	0.015
23	24 May	16:26:44	0.014

pDR-1000
Tag Number: 02
Number of logged points: 28
Start time and date: 07:56:16 25-May
Elapsed time: 07:00:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.991 mg/m³
Time at maximum: 10:51:49 May 25
Max STEL Concentration: 0.098 mg/m³
Time at max STEL: 10:54:47 May 25
Overall Avg Conc: 0.018 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	25 May	08:11:16	0.014
2	25 May	08:26:16	0.013
3	25 May	08:41:16	0.012
4	25 May	08:56:16	0.013
5	25 May	09:11:16	0.012
6	25 May	09:26:16	0.011
7	25 May	09:41:16	0.006
8	25 May	09:56:16	0.004
9	25 May	10:11:16	0.002
10	25 May	10:26:16	0.042
11	25 May	10:41:16	0.004
12	25 May	10:56:16	0.098
13	25 May	11:11:16	0.012
14	25 May	11:26:16	0.014
15	25 May	11:41:16	0.019
16	25 May	11:56:16	0.016
17	25 May	12:11:16	0.012
18	25 May	12:26:16	0.013
19	25 May	12:41:16	0.018
20	25 May	12:56:16	0.019
21	25 May	13:11:16	0.014
22	25 May	13:26:16	0.017
23	25 May	13:41:16	0.014
24	25 May	13:56:16	0.019
25	25 May	14:11:16	0.021
26	25 May	14:26:16	0.022
27	25 May	14:41:16	0.019
28	25 May	14:56:16	0.016

pDR-1000
Tag Number: 03
Number of logged points: 11
Start time and date: 12:38:10 28-May
Elapsed time: 02:45:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.110 mg/m³
Time at maximum: 14:28:06 May 28
Max STEL Concentration: 0.028 mg/m³
Time at max STEL: 14:29:40 May 28
Overall Avg Conc: 0.018 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	28 May	12:53:10	0.018
2	28 May	13:08:10	0.017
3	28 May	13:23:10	0.016
4	28 May	13:38:10	0.021
5	28 May	13:53:10	0.020
6	28 May	14:08:10	0.025
7	28 May	14:23:10	0.019
8	28 May	14:38:10	0.024
9	28 May	14:53:10	0.015
10	28 May	15:08:10	0.012
11	28 May	15:23:10	0.014

pDR-1000
Tag Number: 01
Number of logged points: 26
Start time and date: 08:13:06 01-Jun
Elapsed time: 06:30:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.050 mg/m³
Time at maximum: 14:37:00 Jun 01
Max STEL Concentration: 0.013 mg/m³
Time at max STEL: 14:43:36 Jun 01
Overall Avg Conc: 0.005 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	01 Jun	08:28:06	0.003
2	01 Jun	08:43:06	0.004
3	01 Jun	08:58:06	0.004
4	01 Jun	09:13:06	0.002
5	01 Jun	09:28:06	0.002
6	01 Jun	09:43:06	0.005
7	01 Jun	09:58:06	0.006
8	01 Jun	10:13:06	0.006
9	01 Jun	10:28:06	0.006
10	01 Jun	10:43:06	0.006
11	01 Jun	10:58:06	0.006
12	01 Jun	11:13:06	0.006
13	01 Jun	11:28:06	0.003
14	01 Jun	11:43:06	0.008
15	01 Jun	11:58:06	0.009
16	01 Jun	12:13:06	0.006
17	01 Jun	12:28:06	0.004
18	01 Jun	12:43:06	0.007
19	01 Jun	12:58:06	0.006
20	01 Jun	13:13:06	0.005
21	01 Jun	13:28:06	0.005
22	01 Jun	13:43:06	0.005
23	01 Jun	13:58:06	0.004
24	01 Jun	14:13:06	0.004
25	01 Jun	14:28:06	0.005
26	01 Jun	14:43:06	0.012

pDR-1000
Tag Number: 02
Number of logged points: 12
Start time and date: 08:07:10 02-Jun
Elapsed time: 03:00:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.200 mg/m³
Time at maximum: 08:49:57 Jun 02
Max STEL Concentration: 0.023 mg/m³
Time at max STEL: 08:58:11 Jun 02
Overall Avg Conc: 0.009 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	02 Jun	08:22:10	0.009
2	02 Jun	08:37:10	0.009
3	02 Jun	08:52:10	0.021
4	02 Jun	09:07:10	0.007
5	02 Jun	09:22:10	0.007
6	02 Jun	09:37:10	0.013
7	02 Jun	09:52:10	0.005
8	02 Jun	10:07:10	0.009
9	02 Jun	10:22:10	0.007
10	02 Jun	10:37:10	0.006
11	02 Jun	10:52:10	0.007
12	02 Jun	11:07:10	0.006

pDR-1000
Tag Number: 03
Number of logged points: 12
Start time and date: 08:30:58 03-Jun
Elapsed time: 03:00:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.155 mg/m³
Time at maximum: 08:38:52 Jun 03
Max STEL Concentration: 0.040 mg/m³
Time at max STEL: 08:50:58 Jun 03
Overall Avg Conc: 0.012 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	03 Jun	08:45:58	0.039
2	03 Jun	09:00:58	0.028
3	03 Jun	09:15:58	0.017
4	03 Jun	09:30:58	0.013
5	03 Jun	09:45:58	0.017
6	03 Jun	10:00:58	0.016
7	03 Jun	10:15:58	0.006
8	03 Jun	10:30:58	0.005
9	03 Jun	10:45:58	0.005
10	03 Jun	11:00:58	0.004
11	03 Jun	11:15:58	0.003
12	03 Jun	11:30:58	0.003

pDR-1000
Tag Number: 04
Number of logged points: 7
Start time and date: 08:22:31 04-Jun
Elapsed time: 01:45:00
Logging period (sec): 900
Calibration Factor (%): 100
Max Display Concentration: 0.148 mg/m³
Time at maximum: 09:32:50 Jun 04
Max STEL Concentration: 0.035 mg/m³
Time at max STEL: 09:03:01 Jun 04
Overall Avg Conc: 0.022 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	04 Jun	08:37:31	0.020
2	04 Jun	08:52:31	0.018
3	04 Jun	09:07:31	0.033
4	04 Jun	09:22:31	0.017
5	04 Jun	09:37:31	0.028
6	04 Jun	09:52:31	0.018
7	04 Jun	10:07:31	0.019

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AIR MONITORING FORM

PROJECT NAME: AVR Gowanda DATE: 6/4/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac

RECORDED BY: S. Pepling CALIBRATION DATE:

WEATHER CONDITIONS: Mostly Sunny, cool upper 40's →

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID (ppm)	READING PDR (mg/m3)	OBSERVATIONS
0827	GW9 perimeter	calm	0	<0.029	pre drilling survey
0828-1114	GW9/B6	calm	0	logging	no elevated PID or PDR readings during drilling

RECORDING PROCEDURES/REMARKS:

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CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AVR Gowanda DATE: 6/3/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID Thermo MIE PDR 1000

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: Mostly cloudy upper 50°F

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID (ppm)	READING PDR (mg/m3)	OBSERVATIONS
0830	GW-10 perimeter	calm	0	≤ 0.026	predrilling survey
0845-0856	GW-10	calm	0	logging	no elevated readings during drilling
0945	B3 perimeter	2-5 mph SW	0	≤ 0.031	predrilling survey
0948	TW3 perimeter	2-5 mph SW	0	≤ 0.028	predrilling survey
0950-1405	B3 and TW3 drilling	2-10 mph SW	0	logging	no elevated PID readings during drilling of either

RECORDING PROCEDURES/REMARKS: _____

Dvirka and Bartilucci CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AVM Gowanda DATE: 6/2/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID Thermo MIE PDR1000

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: Mostly Cloudy, upper 50°s F

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID (ppm)	READING PDR mg/m3	OBSERVATIONS
0815	TW2 perimeter	0-2 mph from SW	0	<0.026	pre drilling perimeter survey
0821-1029	TW2 drilling	0-5 mph from SW	0	logging	no elevated PID or PDR readings during drilling

RECORDING PROCEDURES/REMARKS: _____

Dvirka and Bartilucci
CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AVM Gowanda DATE: 6/1/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID
Thermo RIE PDR1000

RECORDED BY: E. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: Partly cloudy, cool upper 50°sF

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID (ppm)	READING PDR (mg/m³)	OBSERVATIONS
0810	GW6 perimeter	calm	0	≤0.006	pre-drilling perimeter survey
0818-0920	GW6	calm	0	logging	no elev. PID or PDR during drilling
0930	GW4 perimeter	2-5 mph from SW	0	≤0.002	predrilling perimeter survey
0935-1012	GW4	11	0	logging	no elevated PID or PDR readings during drilling
1025	GW8 perimeter	2-5 mph from SW	0	≤0.005	predrilling perimeter survey
1026-1105	GW8	11	0	logging	no elevated PID or PDR readings during drilling
1125	GW2 perimeter	2-5 mph from SW	0	≤0.006	predrilling perimeter survey
1128-1158	GW2	11	0	logging	no elevated PID or PDR readings during drilling
1235	B1 perimeter	2-5 mph from SW	0	≤0.006	predrilling perimeter survey
1237-1505	B1	11	0	logging	no elevated PID or PDR readings during drilling

RECORDING PROCEDURES/REMARKS: _____

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AIR MONITORING FORM

PROJECT NAME: AVM Gouverneur DATE: 5/28/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: Overcast, cool low 50sF

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID	READING PDR	OBSERVATIONS
0743	TW1 perimeter	2-10 mph from SE	0	NM	perimeter at start of day
1240	B4 perimeter	2-5 mph from SE	0	< 0.013	perimeter at start
1240 → 1400	B4 drilling	2-10 mph from SE	0	< 0.024	no elevated PID readings from samples or borehole while drilling
1426	B5 perimeter	2-5 mph from E	0	< 0.036	perimeter at start
1530	B5 Drilling	2-10 mph from E	0	< 0.038	no elevated PID readings from samples or borehole while drilling

RECORDING PROCEDURES/REMARKS:

PID readings in ppm

No dust measurements, site is wet and too mud to drill, at TW1

Start PDR measurements at B4

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AIR MONITORING FORM

PROJECT NAME: AUM Gowanda DATE: 5/27/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac 2020 PID

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: Partly cloudy, low 60°s F

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID (ppm)	READING PDR (mg/m³)	OBSERVATIONS
0830	TW-1 perimeter	0-2 mph from NW	0	—	perimeter at start of days activities
5/27/04	TW-1 drilling	0-3 from NW to 2-10 from W	0		no PID readings from samples or borehole above 0 ppm throughout day

RECORDING PROCEDURES/REMARKS: _____

Dvirka and Bartilucci CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AUM Gowanda DATE: 5/26/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: overcast, drizzle

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID*	READING PDR	OBSERVATIONS
0750	TW1 perimeter	calm	0		
0918	TW1 drilling	calm	0		TW1 at 17'bg, top of borehole
0950	TW1 drilling	calm	0		TW1 at 30'bg, top of borehole
5/26/04	TW1 drilling	calm	0		* PID readings above 0ppm during drilling, as measured in samples cuttings at top of hole.
✓	/	/	/		

RECORDING PROCEDURES/REMARKS:

*PID readings in ppm

PDR readings not taken due to rain at arrival and drilling with mud

Dvirka and Bartilucci CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AVM Gouverneur DATE: 5/25/04

PROJECT NUMBER 2184 INSTRUMENT: Photovac Model 2020 PID ThermoMIE PDR-1000

RECORDED BY: S. Repling CALIBRATION DATE: _____

WEATHER CONDITIONS: overcast, low 60°s F, damp

TIME	LOCATION	WIND SPEED AND DIRECTION	READING PID	READING PDR	OBSERVATIONS
0800	TW-1 perimeter	calm	PID = 0 ppm	≤ 0.013	
0823	TW-1 drilling	calm	0 ppm	0.011	breathing zone
1005	TW-1 drilling	calm	0	0.004	breathing zone + perimeter
1228	B2 perimeter	calm	0	≤ 0.011	
1330	B2 drilling	calm	0	≤ 0.014	breathing zone

RECORDING PROCEDURES/REMARKS:

PID = ppm
PDR = mg/m^3

Dvirka and Bartilucci
CONSULTING ENGINEERS

AIR MONITORING FORM

PROJECT NAME: AVM Gouverneur DATE: 5/24/04

PROJECT NUMBER 2184 INSTRUMENT: ThermoMIE personal data Ram Photovac 2020 PID

RECORDED BY: S. Pepling CALIBRATION DATE: _____

WEATHER CONDITIONS: partly cloudy, warm low 70°s F

Time	~~TIME~~ Date	LOCATION	WIND SPEED AND DIRECTION	READING	OBSERVATIONS
1052	5/24/04	perimeter GW5	2-5 mph from SE	PID 0ppm/PDR ~~0.026~~ 0.26	GW5
1053-1155	5/24/04	GW5	//	PID 0ppm/	//
1253	5/24/04	perimeter GW3	2-10 mph from SW	PID 0ppm/PDR ≤0.024	GW3
1254-1335	5/24/04	GW3	//	PID 0ppm	//
1340	5/24/04	perimeter GW7	5-15 mph from W	PID 0ppm/PDR ≤0.022	GW7
1345-1423	5/24/04	GW7	//	PID 0ppm	//
1514	5/24/04	perimeter GW1	2-20 mph from W	PID 0ppm/PDR ≤0.022	GW1
1515-1547	5/24/04	GW1	//	PID 0ppm	//

RECORDING PROCEDURES/REMARKS: _____