ENVIRO-CHEM
LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB# - ECL013289-010 SAMPLE ID- C-20b
LOCATION- B-769 43.5-45; 48.5-50
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:11	CHK	7.2	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	4.8	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	4.9	S.U.	0.10

CHEMICAL TEST RESULTS – WATER

ENVIRO-CHEM LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013223-002 SAMPLE ID- OW-301-1
LOCATION- OW-301
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 10:20 SAMPLER- K. Powell
DATE RECEIVED- 12/20/2006 TIME RECEIVED- 14:42
DELIVERED BY- B. Banks RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	166	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:12	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 22:48	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 22:48	SES	10.7	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	182	mg/L	5
Fluoride	EPA 300.0	1/6/2007 21:53	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/21/2006 22:48	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/21/2006 22:48	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 22:48	SES	8.8	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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FINAL REPORT OF ANALYSES

Schnabel Engineering
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013223-003 SAMPLE ID- OW-301-2
LOCATION- OW-301
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 10:24 SAMPLER- K. Powell
DATE RECEIVED- 12/20/2006 TIME RECEIVED- 14:42
DELIVERED BY- B. Banks RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	170	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:14	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 23:11	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 23:11	SES	10.7	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	151	mg/L	5
Fluoride	EPA 300.0	1/6/2007 22:16	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/21/2006 23:11	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/21/2006 23:11	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 23:11	SES	8.8	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-005 SAMPLE ID- OW-323
LOCATION- OW-323
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 8:18 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	8.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:36	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 03:01	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 03:01	SES	9.6	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	27	mg/L	5
Fluoride	EPA 300.0	1/7/2007 02:07	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 03:01	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 03:01	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 03:01	SES	2.6	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-005 SAMPLE ID- OW-323
LOCATION- OW-323
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 8:18 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	8.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:36	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 03:01	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 03:01	SES	9.6	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	27	mg/L	5
Fluoride	EPA 300.0	1/7/2007 02:07	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 03:01	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 03:01	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 03:01	SES	2.6	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-004 SAMPLE ID- OW-336
LOCATION- OW-336
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 17:50 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	163	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:33	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 01:52	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 01:52	SES	8.6	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	251	mg/L	5
Fluoride	EPA 300.0	1/7/2007 00:58	SES	0.28	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 01:52	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 01:52	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 01:52	SES	29.5	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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FINAL REPORT OF ANALYSES

Schnabel Engineering
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-002 SAMPLE ID- OW-401
LOCATION- OW-401
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 14:55 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	196	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:29	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 01:06	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 01:06	SES	6.5	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	268	mg/L	5
Fluoride	EPA 300.0	1/7/2007 00:12	SES	0.28	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 01:06	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 01:06	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 01:06	SES	28.2	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-001 SAMPLE ID- OW-423
LOCATION- OW-423
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 13:17 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	10.5	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:23	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 23:57	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 23:57	SES	22.1	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	71	mg/L	5
Fluoride	EPA 300.0	1/6/2007 23:03	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/21/2006 23:57	SES	1.4	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/21/2006 23:57	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 23:57	SES	12.8	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013223-004 SAMPLE ID- OW-428
LOCATION- OW-428
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 11:55 SAMPLER- K. Powell
DATE RECEIVED- 12/20/2006 TIME RECEIVED- 14:42
DELIVERED BY- B. Banks RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	7.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:21	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 23:34	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 23:34	SES	17.3	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	72	mg/L	5
Fluoride	EPA 300.0	1/6/2007 22:40	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/21/2006 23:34	SES	0.6	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/21/2006 23:34	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 23:34	SES	6.8	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-003 SAMPLE ID- OW-705
LOCATION- OW-705
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 16:35 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	191	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:31	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 01:29	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 01:29	SES	20.1	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	295	mg/L	5
Fluoride	EPA 300.0	1/7/2007 00:35	SES	0.40	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 01:29	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 01:29	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 01:29	SES	37.4	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
656 Quince Orchard Road
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013217-001 SAMPLE ID- OW-708A
LOCATION- OW-708A
DATE SAMPLED- 12/19/2006 TIME SAMPLED- 12:05 SAMPLER- K. Powell
DATE RECEIVED- 12/19/2006 TIME RECEIVED- 20:43
DELIVERED BY- M. Dunscomb RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	350	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:00	SES	0.06	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 20:29	SES	< 1.0	mg/L	1.0
Chloride	EPA 300.0	1/8/2007 02:11	SES	40.8	mg/L	5.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	453	mg/L	5
Fluoride	EPA 300.0	1/6/2007 19:35	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/20/2006 12:29	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/20/2006 12:29	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 20:29	SES	40.7	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
656 Quince Orchard Road
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013223-001 SAMPLE ID- OW-711
LOCATION- OW-711
DATE SAMPLED- 12/20/2006 TIME SAMPLED- 8:50 SAMPLER- K. Powell
DATE RECEIVED- 12/20/2006 TIME RECEIVED- 14:42
DELIVERED BY- B. Banks RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	207	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:10	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 22:25	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 22:25	SES	9.2	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	242	mg/L	5
Fluoride	EPA 300.0	1/6/2007 21:30	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/21/2006 22:25	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/21/2006 22:25	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 22:25	SES	14.9	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-009 SAMPLE ID- OW-725
LOCATION-
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 14:35 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	60.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:46	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 04:34	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 04:34	SES	6.7	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	236	mg/L	5
Fluoride	EPA 300.0	1/7/2007 03:40	SES	0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 04:34	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 04:34	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 04:34	SES	16.6	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

LABORATORY DIRECTOR

ENVIRO-CHEM LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-007 SAMPLE ID- OW-735
LOCATION- OW-735
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 11:23 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	75.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:39	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 03:47	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 03:47	SES	6.5	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	108	mg/L	5
Fluoride	EPA 300.0	1/7/2007 02:53	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 03:47	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 03:47	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 03:47	SES	12.9	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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Schnabel Engineering
656 Quince Orchard Road
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Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-006 SAMPLE ID- OW-744
LOCATION- OW-744
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 9:45 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	22.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:38	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 03:24	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 03:24	SES	5.3	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	231	mg/L	5
Fluoride	EPA 300.0	1/7/2007 02:30	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 03:24	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 03:24	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 03:24	SES	18.1	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

ENVIRO-CHEM LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013237-008 SAMPLE ID- OW-752A
LOCATION-
DATE SAMPLED- 12/21/2006 TIME SAMPLED- 12:25 SAMPLER- K. Powell
DATE RECEIVED- 12/21/2006 TIME RECEIVED- 18:53
DELIVERED BY- K. Powell RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	< 5.0	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:44	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/22/2006 04:11	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/22/2006 04:11	SES	6.4	mg/L	1.0
Dissolved Solids	EPA 160.1	12/26/2006 10:45	SES	125	mg/L	5
Fluoride	EPA 300.0	1/7/2007 03:17	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/22/2006 04:11	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/22/2006 04:11	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/22/2006 04:11	SES	68.6	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

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FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013217-002 SAMPLE ID- OW-768A
LOCATION- OW-768A
DATE SAMPLED- 12/19/2006 TIME SAMPLED- 14:35 SAMPLER- K. Powell
DATE RECEIVED- 12/19/2006 TIME RECEIVED- 20:43
DELIVERED BY- M. Dunscomb RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	301	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:06	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 21:38	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 21:38	SES	12.4	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	400	mg/L	5
Fluoride	EPA 300.0	1/6/2007 19:58	SES	0.21	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/20/2006 13:38	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/20/2006 13:38	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 21:38	SES	70.6	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

ENVIRO-CHEM LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME
REPORT DATE: 30-Jan-07

LAB#- ECL013217-003 SAMPLE ID- OW-769
LOCATION- OW-769
DATE SAMPLED- 12/19/2006 TIME SAMPLED- 16:34 SAMPLER- K. Powell
DATE RECEIVED- 12/19/2006 TIME RECEIVED- 20:43
DELIVERED BY- M. Dunscomb RECEIVED BY- SES

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Alkalinity, Total	EPA 310.1	12/22/2006 12:20	SES	241	mg/L	5.0
Ammonia Nitrogen	EPA 350.1	1/10/2007 11:08	SES	< 0.04	mg/L	0.04
Bromide	EPA 300.0	12/21/2006 22:01	SES	< 1.00	mg/L	1.00
Chloride	EPA 300.0	12/21/2006 22:01	SES	7.6	mg/L	1.0
Dissolved Solids	EPA 160.1	12/22/2006 16:10	SES	264	mg/L	5
Fluoride	EPA 300.0	1/6/2007 21:07	SES	< 0.20	mg/L	0.20
Nitrate (as N)	EPA 300.0	12/20/2006 14:01	SES	< 0.2	mg/L	0.2
Nitrite (as N)	EPA 300.0	12/20/2006 14:01	SES	< 0.2	mg/L	0.2
Sulfate	EPA 300.0	12/21/2006 22:01	SES	22.8	mg/L	1.0
Sulfide	EPA 376.1	12/23/2006 08:15	SES	< 1.0	mg/L	1.0

ORGANIC CONTENT

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.				
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP				
Location:	Calvert County, MD			Project No:	GTX-6880
Boring ID:	B-326	Sample Type:	tube	Tested By:	mll
Sample ID:	S-12	Test Date:	03/28/07	Checked By:	jdt
Depth :	43.5-45.5 ft	Test Id:	109539		
Test Comment:	---				
Sample Description:	Moist, very dark gray organic clay				
Sample Comment:	---				

Moisture, Ash, and Organic Matter - ASTM D 2974

Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
B-326	S-12	43.5-45.5 ft	Moist, very dark gray organic clay	36	99.6	.4

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass; dried to a constant mass at temperature of 110° C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440° C

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.		
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP		
Location:	Calvert County, MD	Project No:	GTX-6880
Boring ID: ---	Sample Type: ---	Tested By:	mll
Sample ID:---	Test Date: 04/02/07	Checked By:	jdt
Depth : ---	Test Id: 109543		

Moisture, Ash, and Organic Matter - ASTM D 2974

Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
B-406	S-16	63.5-65.5 ft	Moist, very dark gray organic clay with sand	42	98.4	1.6
B-411	S-8	23.5-25.5 ft	Moist, dark gray organic clay with sand	34	99.	1.
B-423	S-35	158.5-160.1 ft	Moist, olive gray organic clay	45	98.7	1.3
B-428	UD-3	63-65 ft	Moist, dark greenish gray ~~organic~~ fat clay	36	99.9	.1

BB/4/6/07

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass; dried to a constant mass at temperature of 110° C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440° C

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Schnabel Engineering, Inc.				
Project:	Subsurface Investigation Calvert Cliffs Nuclear PP				
Location:	Calvert County, MD			Project No:	GTX-6880
Boring ID:	---	Sample Type:	---	Tested By:	mll
Sample ID:	---	Test Date:	04/02/07	Checked By:	jdt
Depth :	---	Test Id:	109538		

Moisture, Ash, and Organic Matter - ASTM D 2974

Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
B-703	S-7	18.5-20.5 ft	Moist, mottled light yellowish brown, dark gray, and brownish yellow organic clay with sand	48	99.1	.9
B-724	UD-1	73.5-75.5 ft	Moist, dark olive gray sandy organic clay	32	96.8	3.2
B-729	UD-1	68.5-70.0 ft	Moist, dark greenish gray organic clay	35	98.6	1.4
B-752	S-15	58-60 ft	Moist, dark greenish gray organic clay	32	99.4	.6

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass; dried to a constant mass at temperature of 110° C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440° C