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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.

Stevenson, AL 35772

Report Summary

Tuesday February 17, 2009

Report Number: L386947

Samples Received: 02/06/09

Client Project: TVAWCF GYPSUM SPILL

Description: TVAWCF GYPSUM POND SPILL

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Roberto Celia, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-241DUP-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:19

ESC Sample # : L386947-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.35	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1803	RBS
Sulfate	17.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1803	RBS
Alkalinity	84.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1646	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1113	234	02/12/09 1030	LEM
pH	7.7		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.34	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1557	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/12/09 0455	78	02/13/09 1012	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 1253	LEM
Kjeldahl Nitrogen, TKN	0.47	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1056	DTH
TOC (Total Organic Carbon)	2.2	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0116	KSG
Dissolved Solids	100	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1421	MF
Suspended Solids	10.	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Copper	0.0017	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Nickel	0.0025	0.0015	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 0823	388	02/11/09 0729	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1429	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-241DUP-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:19

ESC Sample # : L386947-01

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.54	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Barium	0.028	0.0050	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Calcium	22.	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Iron	0.46	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Magnesium	5.7	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Manganese	0.060	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Potassium	1.6	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM
Sodium	7.8	0.50	mg/l	200.7	02/11/09 0734	428	02/13/09 1043	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2216	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-238-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:31

ESC Sample # : L386947-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.45	0.10	mg/l	300.0	02/06/09 0909	245	02/06/09 2218	RBS
Sulfate	9.8	5.0	mg/l	300.0	02/06/09 0909	245	02/06/09 2218	RBS
Alkalinity	92.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1647	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1113	234	02/12/09 1032	LEM
pH	7.7		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.41	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1600	LEM
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	02/12/09 0455	78	02/13/09 1011	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 1254	LEM
Kjeldahl Nitrogen, TKN	0.31	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1057	DTH
TOC (Total Organic Carbon)	2.0	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0139	KSG
Dissolved Solids	110	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1420	MF
Suspended Solids	1.7	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Copper	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Nickel	0.0026	0.0015	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 0823	388	02/11/09 0733	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1431	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-238-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:31

ESC Sample # : L386947-02

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.24	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Barium	0.021	0.0050	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Calcium	36.	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Iron	0.35	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Magnesium	5.1	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Manganese	0.038	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Potassium	0.59	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM
Sodium	1.4	0.50	mg/l	200.7	02/11/09 0734	428	02/13/09 1047	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2219	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-239-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:40

ESC Sample # : L386947-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.35	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1820	RBS
Sulfate	16.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1820	RBS
Alkalinity	92.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1647	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1113	234	02/12/09 1033	LEM
pH	7.7		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.33	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1601	LEM
Oil & Grease (Hexane Extr)	BDL	5.3	mg/l	1664A	02/12/09 0455	78	02/13/09 1006	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 1255	LEM
Kjeldahl Nitrogen, TKN	0.32	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1059	DTH
TOC (Total Organic Carbon)	2.1	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0223	KSG
Dissolved Solids	120	10.	mg/l	2540C	02/10/09 1435	36	02/13/09 1311	MF
Suspended Solids	2.6	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Copper	0.0017	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Nickel	0.0026	0.0015	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 0823	388	02/11/09 0736	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1434	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : MDB-SW-239-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:40

ESC Sample # : L386947-03

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.20	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Barium	0.022	0.0050	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Calcium	38.	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Iron	0.32	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Magnesium	5.4	0.10	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Manganese	0.041	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Potassium	0.70	0.50	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM
Sodium	1.4	0.50	mg/l	200.7	02/11/09 0734	428	02/13/09 1050	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09 1520	428	02/10/09 2222	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-240-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:50

ESC Sample # : L386947-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.36	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1836	RBS
Sulfate	17.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1836	RBS
Alkalinity	62.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1648	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1113	234	02/12/09 1034	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.32	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1602	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/12/09 0455	78	02/13/09 1005	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 1258	LEM
Kjeldahl Nitrogen, TKN	0.53	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1100	DTH
TOC (Total Organic Carbon)	2.7	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0235	KSG
Dissolved Solids	98.	10.	mg/l	2540C	02/10/09 1435	36	02/13/09 1312	MF
Suspended Solids	6.8	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Copper	0.0012	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Nickel	0.0024	0.0015	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 0823	388	02/11/09 0739	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1436	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNUP-SW-240-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:50

ESC Sample # : L386947-04

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.33	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Barium	0.025	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Calcium	21.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Iron	0.26	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Magnesium	5.7	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Manganese	0.034	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Potassium	2.0	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Sodium	16.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0856	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-241-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:16

ESC Sample # : L386947-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.36	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1853	RBS
Sulfate	17.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1853	RBS
Alkalinity	62.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1648	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1214	234	02/12/09 1122	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.33	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1603	LEM
Oil & Grease (Hexane Extr)	BDL	5.3	mg/l	1664A	02/12/09 0455	78	02/13/09 1007	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 1259	LEM
Kjeldahl Nitrogen, TKN	0.72	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1101	DTH
TOC (Total Organic Carbon)	2.4	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0246	KSG
Dissolved Solids	110	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1424	MF
Suspended Solids	9.2	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Copper	0.0010	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Nickel	0.0012	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 1508	428	02/10/09 1259	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1439	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNDN-SW-241-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:16

ESC Sample # : L386947-05

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.38	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Barium	0.025	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Calcium	21.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Iron	0.28	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Magnesium	5.6	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Manganese	0.037	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Potassium	1.9	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Sodium	8.4	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0859	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-242-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:50

ESC Sample # : L386947-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.37	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1909	RBS
Sulfate	18.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1909	RBS
Alkalinity	60.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	27.	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1648	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1214	234	02/12/09 1123	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.34	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1604	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/12/09 0455	78	02/13/09 1004	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 0100	LEM
Kjeldahl Nitrogen, TKN	0.63	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1102	DTH
TOC (Total Organic Carbon)	2.4	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0258	KSG
Dissolved Solids	97.	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1419	MF
Suspended Solids	8.5	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Copper	0.0013	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Lead	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Nickel	0.0013	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Silver	BDL	0.00050	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Zinc	BDL	0.010	mg/l	200.8	02/09/09 1508	428	02/10/09 1302	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1446	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TN 117-SW-242-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:50

ESC Sample # : L386947-06

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.39	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Barium	0.025	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Calcium	22.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Iron	0.29	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Magnesium	5.5	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Manganese	0.033	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Potassium	1.9	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Sodium	8.0	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0903	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-243-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:34

ESC Sample # : L386947-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.37	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1925	RBS
Sulfate	26.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1925	RBS
Alkalinity	62.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1649	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1214	234	02/12/09 1124	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.34	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1606	LEM
Oil & Grease (Hexane Extr)	BDL	5.3	mg/l	1664A	02/12/09 0455	78	02/13/09 1012	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 0102	LEM
Kjeldahl Nitrogen, TKN	0.71	0.10	mg/l	351.2	02/10/09 1648	234	02/11/09 1105	DTH
TOC (Total Organic Carbon)	2.6	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 0309	KSG
Dissolved Solids	120	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1419	MF
Suspended Solids	7.4	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Arsenic	0.0011	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Chromium	0.0013	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Copper	0.0041	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Lead	0.0021	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Nickel	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Selenium	0.0016	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Silver	BDL	0.00050	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Zinc	BDL	0.010	mg/l	200.8	02/10/09 0806	388	02/13/09 1220	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1449	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-MD-243-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:34

ESC Sample # : L386947-07

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.40	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Barium	0.030	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Calcium	27.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Iron	0.30	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Magnesium	6.0	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Manganese	0.038	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Potassium	1.9	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Sodium	7.8	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0906	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-244-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:27

ESC Sample # : L386947-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.37	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1942	RBS
Sulfate	24.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1942	RBS
Alkalinity	62.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NJM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1650	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1214	234	02/12/09 1125	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.34	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1609	LEM
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	02/12/09 0455	78	02/13/09 1007	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/11/09 1454	236	02/13/09 0103	LEM
Kjeldahl Nitrogen, TKN	0.50	0.10	mg/l	351.2	02/11/09 1648	236	02/12/09 0908	DTH
TOC (Total Organic Carbon)	2.2	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 1728	KSG
Dissolved Solids	140	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1422	MF
Suspended Solids	7.6	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Arsenic	0.0015	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Copper	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Lead	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Nickel	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Selenium	0.0020	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Silver	BDL	0.00050	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Zinc	BDL	0.010	mg/l	200.8	02/10/09 0806	388	02/13/09 1229	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1451	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : TNSL-SW-244-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 09:27

ESC Sample # : L386947-08

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.39	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Barium	0.032	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Calcium	28.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Iron	0.29	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Magnesium	6.0	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Manganese	0.041	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Potassium	1.8	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Sodium	7.6	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0909	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-238DUP-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:46

ESC Sample # : L386947-09

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Nitrate	0.42	0.10	mg/l	300.0	02/06/09 0737	245	02/06/09 1958	RBS
Sulfate	10.	5.0	mg/l	300.0	02/06/09 0737	245	02/06/09 1958	RBS
Alkalinity	92.	20.	mg/l	2320B	02/06/09 1630	234	02/09/09 1300	NUM
COD	BDL	20.	mg/l	410.4	02/09/09 1624	234	02/10/09 1651	BSD
Ammonia Nitrogen	BDL	0.10	mg/l	350.1	02/10/09 1214	234	02/12/09 1126	LEM
pH	7.8		su	4500H-B	02/06/09 1719	397	02/07/09 1357	TWF
Nitrate-Nitrite	0.41	0.10	mg/l	353.2	02/12/09 1040	165	02/12/09 1610	LEM
Oil & Grease (Hexane Extr)	BDL	5.3	mg/l	1664A	02/12/09 0455	78	02/13/09 1005	TLB
Phosphorus, Total	BDL	0.10	mg/l	365.1	02/12/09 1614	234	02/16/09 1040	CWP
Kjeldahl Nitrogen, TKN	0.24	0.10	mg/l	351.2	02/11/09 1648	236	02/12/09 0909	DTH
TOC (Total Organic Carbon)	1.3	1.0	mg/l	5310B	02/12/09 1803	162	02/16/09 1751	KSG
Dissolved Solids	120	10.	mg/l	2540C	02/09/09 1540	36	02/12/09 1422	MF
Suspended Solids	1.3	1.0	mg/l	2540D	02/06/09 1656	193	02/07/09 0819	AMS
Antimony	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Arsenic	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Cadmium	BDL	0.00050	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Beryllium	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Chromium	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Cobalt	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Copper	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Lead	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Nickel	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Selenium	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Silver	BDL	0.00050	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Thallium	BDL	0.0010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Zinc	BDL	0.010	mg/l	200.8	02/10/09 0808	388	02/13/09 1514	LAT
Mercury	BDL	0.00020	mg/l	245.1	02/06/09 1930	261	02/09/09 1416	MAM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

Mr. Stanley Bramlett
TVA-Widows Creek Fossil Plant
2800 Steamplant Rd.
Stevenson, AL 35772

February 17, 2009

Date Received : 02/06/09 15:40
Description : TVAWCF GYPSUM POND SPILL
Sample ID : CRB-SW-238DUP-20090206
Collected By : Michael Gamble
Collection Date : 02/06/09 08:46

ESC Sample # : L386947-09

Site ID :

Project # : TVAWCF GYPSUM SPILL

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Aluminum	0.38	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Barium	0.021	0.0050	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Calcium	36.	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Iron	0.38	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Magnesium	5.2	0.10	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Manganese	0.038	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Potassium	0.95	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Sodium	1.5	0.50	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM
Vanadium	BDL	0.010	mg/l	200.7	02/09/09	1622	117 02/11/09 0912	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L386947-01	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-02	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-03	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-04	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-05	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-06	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-07	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-08	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2
L386947-09	WG407019	SAMP	Oil & Grease (Hexane Extr)	R630665	J3
	WG406213	SAMP	pH	R622026	T8
	WG406419	SAMP	Nickel	R626765	B2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B2	(ESC) - The detection limit has been elevated due to blank contamination.
J3	The associated batch QC was outside the established quality control range for precision.
T8	(ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
02/17/09 at 11:21:27

TSR Signing Reports: 400
R5 - Desired TAT

Must have cooler receipt form-LC

Sample: L386947-01 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-02 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-03 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-04 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-05 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-06 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-07 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-08 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17
Sample: L386947-09 Account: TVAWCF Received: 02/06/09 15:40 Due Date: 02/16/09 00:00 RPT Date: 02/17/09 10:17