



**ENVIRONMENTAL  
SCIENCE CORP.**

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

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : DSN-008

Collected By : Ricky Smith  
Collection Date : 01/09/09 08:37

ESC Sample # : L382951-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	29.	5.9	mg/l	1664A	01/11/09	0701 78	01/12/09 0555	TLB

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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Reported: 01/12/09 09:30 Printed: 01/12/09 09:30



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REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : DSN-008

Collected By : Ricky Smith  
Collection Date : 01/09/09 11:55

ESC Sample # : L382952-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/11/09	0701 78	01/12/09 0556	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382960-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:51

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.2	mg/l	1664A	01/11/09	0701 78	01/12/09 0554	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382968-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:29

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	7.1	mg/l	1664A	01/11/09	0701 78	01/12/09 0559	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382972-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:31

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Arsenic	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Barium	BDL	0.20	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Cadmium	BDL	0.050	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Beryllium	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Chromium	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Cobalt	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Copper	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Lead	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Nickel	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Selenium	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Silver	BDL	0.050	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Thallium	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Zinc	BDL	1.0	mg/l	200.8	01/10/09	2144	449 01/12/09 1040	LAT
Mercury	0.0046	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09 1253	KBW
Aluminum	43.	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09 1955	DMM
Calcium	44000	25.	mg/l	200.7	01/10/09	2142	449 01/12/09 0921	DMM
Iron	10.	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09 1955	DMM
Magnesium	1300	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 2056	DMM
Manganese	16.	0.050	mg/l	200.7	01/10/09	2142	449 01/11/09 2056	DMM
Potassium	85.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 1955	DMM
Sodium	63.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 1955	DMM
Vanadium	0.019	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09 1955	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382982-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:49

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Arsenic	3.3	1.0	mg/l	200.8	01/10/09	2144	449 01/12/09	1141 LAT
Barium	9.4	0.20	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Cadmium	0.32	0.050	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Beryllium	0.21	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Cobalt	BDL	1.0	mg/l	200.8	01/10/09	2144	449 01/12/09	1141 LAT
Lead	0.93	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Selenium	1.3	1.0	mg/l	200.8	01/10/09	2144	449 01/12/09	1141 LAT
Silver	BDL	0.050	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Thallium	0.30	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09	1043 LAT
Mercury	0.0010	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09	1306 KBW
Aluminum	410	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Calcium	12000	10.	mg/l	200.7	01/10/09	2142	449 01/12/09	0810 DMM
Chromium	1.7	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Copper	0.98	0.020	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Iron	320	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Magnesium	440	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Manganese	5.6	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Nickel	0.78	0.020	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Potassium	100	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Sodium	47.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Vanadium	4.2	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1951 DMM
Zinc	5.5	0.60	mg/l	200.7	01/10/09	2142	449 01/12/09	0810 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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Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 13, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382993-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 11:57

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	0.062	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Arsenic	1.3	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Barium	4.9	0.0020	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Cadmium	0.16	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Chromium	1.8	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Cobalt	0.18	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Copper	0.91	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Lead	0.77	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Nickel	0.97	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Selenium	0.91	0.10	mg/l	200.8	01/10/09	2145	449 01/13/09	0731 LAT
Silver	0.0054	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Thallium	0.15	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1643 LAT
Mercury	0.0035	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1233 KBW
Aluminum	1700	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Calcium	28000	5.0	mg/l	200.7	01/10/09	2143	117 01/12/09	1012 ST
Iron	1500	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Magnesium	1600	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Manganese	18.	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Potassium	350	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Sodium	110	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Vanadium	14.	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST
Zinc	17.	0.030	mg/l	200.7	01/10/09	2143	117 01/12/09	0928 ST

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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Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : DSN-008

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:50

ESC Sample # : L382994-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	430000	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : DSN-008

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:32

ESC Sample # : L383000-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	550000	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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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Reported: 01/12/09 09:55 Printed: 01/12/09 11:49



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REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : DSN-008

Collected By : Ricky Smith  
Collection Date : 01/09/09 11:56

ESC Sample # : L383006-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	290000	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L383007-01

Sample ID : DSN-008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 08:38

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	430000	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382959-01

Sample ID : TENNESSEE RIVER DOWNSTREAM DSN 008

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:00

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.2	mg/l	1664A	01/11/09	0701 78	01/12/09 0556	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382964-01

Sample ID : TENNESSEE RIVER DOWNSTREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:13

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.2	mg/l	1664A	01/11/09	0701 78	01/12/09 0557	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382980-01

Sample ID : TENNESSEE RIVER DOWNSTREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:15

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	0.0098	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Arsenic	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Barium	0.0024	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Cadmium	0.012	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Beryllium	0.019	0.010	mg/l	200.8	01/10/09	2144	449 01/12/09 1037	LAT
Chromium	0.11	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Cobalt	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Copper	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Lead	0.079	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Nickel	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Selenium	BDL	0.10	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Silver	0.00073	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Thallium	0.010	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09 2211	LAT
Zinc	BDL	1.0	mg/l	200.8	01/10/09	2144	449 01/12/09 1051	LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09 1303	KBW
Aluminum	1.2	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Calcium	21.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Iron	2.1	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Magnesium	3.9	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Manganese	0.30	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Potassium	1.8	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Sodium	5.9	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09 1944	DMM

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382992-01

Sample ID : TENNESSEE RIVER DOWNSTREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:03

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Barium	0.043	0.0020	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Chromium	0.0025	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Cobalt	0.0012	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Copper	0.0034	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Lead	BDL	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1640 LAT
Nickel	0.0037	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Selenium	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Thallium	BDL	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1640 LAT
Zinc	0.020	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1349 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1230 KBW
Aluminum	1.5	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Calcium	17.	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Iron	2.3	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Magnesium	3.9	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Manganese	0.27	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Potassium	1.8	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Sodium	5.6	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0925 ST

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L383003-01

Sample ID : TENNESSEE RIVER DOWNSTREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:16

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	57.	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L383004-01

Sample ID : TENNESSEE RIVER DOWNSTREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:12

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	55.	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :  
Sample ID : TENNESSEE RIVER UPSTREAM  
Collected By : Ricky Smith  
Collection Date : 01/09/09 16:04

ESC Sample # : L382966-01  
Site ID : WCF-ZB205PY  
Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.7	mg/l	1664A	01/11/09	0701 78	01/12/09 0558	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :  
Sample ID : TENNESSEE RIVER UPSTREAM  
Collected By : Ricky Smith  
Collection Date : 01/09/09 16:06

ESC Sample # : L382983-01  
Site ID : WCF-ZB205PY  
Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Barium	0.039	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Chromium	0.0021	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Copper	0.0024	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Lead	0.0021	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Nickel	0.0018	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Selenium	0.0012	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Zinc	0.013	0.010	mg/l	200.8	01/10/09	2144	449 01/11/09	2214 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09	1309 KBW
Aluminum	0.90	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Calcium	16.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Iron	1.6	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Magnesium	3.7	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Manganese	0.29	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Potassium	1.9	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Sodium	5.9	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1947 DMM

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:  
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Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :  
Sample ID : TENNESSEE RIVER UPSTREAM  
Collected By : Ricky Smith  
Collection Date : 01/09/09 12:53

ESC Sample # : L382988-01  
Site ID : WCF-ZB205PY  
Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Barium	0.040	0.0020	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Chromium	0.0019	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Cobalt	0.0010	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Copper	0.0023	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Lead	BDL	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1637 LAT
Nickel	0.0024	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Selenium	0.0011	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Thallium	BDL	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1637 LAT
Zinc	0.014	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1346 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1225 KBW
Aluminum	1.7	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Calcium	16.	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Iron	2.4	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Magnesium	4.0	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Manganese	0.29	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Potassium	1.9	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Sodium	5.6	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0849 ST

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :  
Sample ID : TENNESSEE RIVER UPSTREAM  
Collected By : Ricky Smith  
Collection Date : 01/09/09 16:07

ESC Sample # : L383002-01  
Site ID : WCF-ZB205PY  
Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	58.	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :  
Sample ID : TENNESSEE RIVER UPSTREAM  
Collected By : Ricky Smith  
Collection Date : 01/09/09 12:55

ESC Sample # : L383005-01  
Site ID : WCF-ZB205PY  
Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	47.	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09	1710 AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382958-01

Sample ID : TENNESSEE RIVER UPSTREAM OF WIDOWS CREEK

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 12:54

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.7	mg/l	1664A	01/11/09	0701 78	01/12/09 0556	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 13:47  
Description :

ESC Sample # : L382998-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:47

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	4.1	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382967-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 17:18

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.2	mg/l	1664A	01/11/09	0701 78	01/12/09 0558	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382978-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:09

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Barium	0.019	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Chromium	0.0010	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Copper	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Lead	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Nickel	0.0011	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Selenium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2144	449 01/11/09	2205 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09	1258 KBW
Aluminum	0.49	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Calcium	21.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Iron	0.39	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Magnesium	2.6	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Manganese	0.020	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Potassium	1.2	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Sodium	0.89	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1938 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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382979-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 17:20

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Barium	0.020	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Chromium	0.0011	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Copper	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Lead	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Nickel	0.0011	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Selenium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2144	449 01/11/09	2208 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09	1301 KBW
Aluminum	0.54	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Calcium	21.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Iron	0.44	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Magnesium	2.5	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Manganese	0.018	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Potassium	1.2	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Sodium	0.88	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1941 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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Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382995-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:10

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	4.6	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09	1710 AMS

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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REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382997-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 17:22

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	4.9	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:06  
Description :

ESC Sample # : L382986-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:49

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Barium	0.020	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Chromium	0.0012	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Copper	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Lead	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Nickel	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Selenium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2144	449 01/11/09	2113 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1223 KBW
Aluminum	0.58	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Calcium	21.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Iron	0.45	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Magnesium	2.5	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Manganese	0.016	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Potassium	1.2	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Sodium	1.1	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1917 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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382961-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER STREAM

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:14

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/11/09	0701 78	01/12/09 0558	TLB

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382956-01

Sample ID : WCFP COUNTY ROAD BRIDGE CENTER STREAM OF

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 13:48

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	6.7	mg/l	1664A	01/11/09	0701 78	01/12/09 0555	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382954-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE SAMPL

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 12:16

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	5.6	mg/l	1664A	01/11/09	0701 78	01/12/09 0555	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382962-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:36

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	58.	7.1	mg/l	1664A	01/11/09	0701 78	01/12/09 0559	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382965-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:54

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Oil & Grease (Hexane Extr)	BDL	5.0	mg/l	1664A	01/11/09	0701 78	01/12/09 0557	TLB

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382976-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:56

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Arsenic	0.0016	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Barium	0.026	0.0020	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Chromium	0.0024	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Copper	0.0012	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Lead	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Nickel	0.0020	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Selenium	0.0019	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2144	449 01/11/09	2202 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2105	261 01/11/09	1256 KBW
Aluminum	0.72	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Calcium	34.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Iron	0.60	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Magnesium	2.9	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Manganese	0.028	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Potassium	1.4	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Sodium	0.96	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1920 DMM

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 13, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382985-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:31

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Barium	0.022	0.0020	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Chromium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Copper	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Lead	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Nickel	0.0016	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Selenium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Thallium	BDL	0.0010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2144	449 01/12/09	1652 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1220 KBW
Aluminum	0.59	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Calcium	28.	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Iron	0.51	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Magnesium	2.8	0.10	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Manganese	0.031	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Potassium	1.4	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Sodium	0.86	0.50	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 DMM
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2142	449 01/11/09	1857 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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382991-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 12:15

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Antimony	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Arsenic	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Barium	0.024	0.0020	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Cadmium	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Beryllium	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Chromium	0.0018	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Cobalt	BDL	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Copper	0.0015	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Lead	BDL	0.0050	mg/l	200.8	01/10/09	2145	449 01/12/09	1324 LAT
Nickel	0.0023	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Selenium	0.0015	0.0010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Silver	BDL	0.00050	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Thallium	BDL	0.0050	mg/l	200.8	01/10/09	2145	449 01/12/09	1324 LAT
Zinc	BDL	0.010	mg/l	200.8	01/10/09	2145	449 01/12/09	1306 LAT
Mercury	BDL	0.00020	mg/l	245.1	01/10/09	2106	261 01/11/09	1228 KBW
Aluminum	1.1	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Calcium	35.	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Iron	0.99	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Magnesium	3.1	0.10	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Manganese	0.027	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Potassium	1.2	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Sodium	0.64	0.50	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST
Vanadium	BDL	0.010	mg/l	200.7	01/10/09	2143	117 01/12/09	0921 ST

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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L382996-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 21:32

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	8.7	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Collected By : Ricky Smith  
Collection Date : 01/09/09 16:58

ESC Sample # : L382999-01

Site ID : WCF-ZB205PY

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	12.	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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

Ricky Smith  
TVA-Widows Creek Fossil Plant  
2800 Steamplant Rd.  
Stevenson, AL 35772

January 12, 2009

Date Received : 01/10/09 14:05  
Description :

ESC Sample # : L383001-01

Sample ID : WIDOWS CREEK MILLION DOLLAR BRIDGE

Site ID : WCF-ZB205PY

Collected By : Ricky Smith  
Collection Date : 01/09/09 12:14

Project # : NPDES

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Suspended Solids	7.5	1.0	mg/l	2540D	01/10/09	1703	193 01/10/09 1710	AMS

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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