



MOUNTAIN RESEARCH, LLC

May 17, 2011

Corporate Office & Laboratory:

825 25th Street
Altoona, PA 16601
(814) 949-2034
(800) 837-4674
Fax (814) 949-9591
PADEP #07-418 EPA Lab #PA00165

Baltimore Office:

6400 Baltimore National Pike
170-A, #127
Catonsville, MD 21228
(410) 980-7619
Fax (877) 746-0704

DuBois Office & Laboratory:

110 McCracken Run Road
DuBois, PA 15801
(814) 371-6030
Fax (814) 375-0823
PADEP #33-258 EPA Lab #PA00155

Chuck Hess
Boro of Punxsutawney STP
301 East Mahoning
Punxsutawney, PA 15767
TEL: (814) 938-4396
FAX: (814) 938-0455

RE: Analysis of Effluent for Dannic Energy

Order No.: 1104132

Dear Chuck Hess,

Mountain Research, LLC ~ DuBois Office received 1 sample on 4/7/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call,

Sincerely,



Mountain Research, LLC ~ DuBois Office

Date: 17-May-11

CLIENT: Boro of Punxsutawney STP
Project: Analysis of Effluent for Dannie Energy
Lab Order: 1104132

CASE NARRATIVE

No problems were encountered during analysis of this work order number.

Laboratory Key:

MR-A Mountain Research, LLC - Altoona PA DEP #07-418

MR-D Mountain Research, LLC - DuBois PA DEP #33-258

BA Benchmark Analytics PA DEP #39-00401

ASI Analytical Services PA DEP #33-00411



**MOUNTAIN
RESEARCH, LLC**

Corporate Office & Laboratory:

825 25th Street
Altoona, PA 16601
(814) 949-2034
(800) 837-4674
Fax (814) 949-9591

PADEP #07-418 EPA Lab #PA00165

Baltimore Office:

6400 Baltimore National Pike
170-A, #127
Catonsville, MD 21228
(410) 980-7619
Fax (877) 746-0704

DuBois Office & Laboratory:

110 McCracken Run Road
DuBois, PA 15801
(814) 371-6030
Fax (814) 375-0823

PADEP #33-258 EPA Lab #PA00155

Mountain Research, LLC ~ DuBois Office

Date: 17-May-11

CLIENT: Chuck Hess
Boro of Punxsutawney STP
301 East Mahoning
Punxsutawney, PA 15767
Project Denise Foradori
Project Name: Analysis of Effluent for Dannic Energy
Project Id: 6025.11.01

Lab Order: 1104132
Lab ID: 1104132-01
Collected By: D. Butler
Tag Number:
Collection Date: 4/7/2011 9:00:00 AM
Matrix: Waste Water - Composite
Client Sample ID: EFFLUENT

Test Name Analyses	Test Code	Detection			Date	Laboratory
		Result	Limit	Units		
ALKALINITY Alkalinity	EPA 310.2, SM2320B	41	15	mg/L	4/20/2011	MR-A
BROMIDE BROMIDE	300.0	3.38	0.1	mg/L	4/28/2011	ASI
CHLORIDE Chloride	EPA325.2 & SM4500CHLORIDE-E	480	20	mg/L	4/18/2011	MR-A
SULFATE IN WATER SULFATE	D 516-90	56	10	mg/L	4/25/2011	MR-A
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	SM2540C, EPA160.1	1100	10	mg/L	4/13/2011	MR-A
URANIUM Uranium	EPA_200.8	ND	0.5	ug/L	4/29/2011	BA

Test Name Analyses	Test Code	Result	Uncert.	MDA	Units	Date	Analyst
Radium-228 Radium-228	EPA 904.0	-0.45	± 1.59	3.03	pCi/L	05/05/11	BA
Gross Alpha Gross Alpha	EPA 900.0	6.44	+3.69	10.95	pCi/L	05/02/11	BA
Gross Beta		16.05	+4.58	13.26	pCi/L	05/02/11	BA

Qualifiers: ND - Not Detected at the Reporting Limit

1 of 1

Lab Order: 1104132
 Client: Boro of Punxsutawney STP
 Project: Analysis of Effluent for Dannic En

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1104132-01A	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	Alkalinity			4/20/2011
	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	Chloride			4/18/2011
	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	Sulfate in Water			4/25/2011
	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	TOTAL DISSOLVED SOLIDS			4/13/2011
1104132-01B	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	BROMIDE			4/28/2011 8:00:00 PM
1104132-01F	EFFLUENT	4/7/2011 9:00:00 AM	Waste Water	Uranium			4/29/2011

CLIENT PROJECT # B6025		BAES PROJECT NAME <i>ANALYSIS OF EFFLUENT</i>				MOUNTAIN RESEARCH, LLC - DUBOIS OFFICE 110 McCracken Run Road DuBois, PA 15801 Phone: (814) 371-6030 Fax: (814) 375-0823 CHAIN OF CUSTODY RECORD											
BAES PROJECT # 6025.11.01		SITE LOCATION <i>FOR DANNIC ENERGY</i>															
CLIENT PUNXSU BOROUGH					SAMPLER <i>Butler</i>	NUMBER OF CONTAINERS TDS, ALKALINITY, CHLORIDE, SULFATE BROMIDE GROSS ALPHA RADIUM 226 RADIUM 228 URANIUM MR PROJ. MGR. SAMPLE TEMP <i>70</i>											
ADDRESS: WATER STREET EXT. PUNXSUTAWNEY, PA 15767					PHONE: (814) 938-4396 FAX: (814) 938-0455												
FIELD ID.NO.	LOCATION	DATE	TIME	GRAB	COMP	1-500 ML	1-PL 250 ML	1-PL LTR	1-PL LTR	1-PL LTR	1-PL 250 ML	PREP	LAB NUMBER				
	<i>elf</i>	<i>4/7/10</i>	<i>0900</i>		<i>X</i>	<i>X</i>											
	<i>I</i>	<i>I</i>	<i>I</i>				<i>X</i>										
	<i>I</i>	<i>I</i>	<i>I</i>					<i>X</i>									
	<i>I</i>	<i>I</i>	<i>I</i>						<i>X</i>								
	<i>I</i>	<i>I</i>	<i>I</i>							<i>X</i>							
RELINQUISHED BY: <i>[Signature]</i>		DATE: <i>4/7/11</i>	TIME: <i>9:00</i>	RECEIVED BY: <i>[Signature]</i>		DATE: <i>4/7/10</i>	TIME: <i>0900</i>	Logged To By: <i>[Signature]</i>		Labeled By: <i>[Signature]</i>		SPECIAL HANDLING					
RELINQUISHED BY: <i>[Signature]</i>		DATE: <i>4/7/11</i>	TIME: <i>0945</i>	RECEIVED BY LABORATORY: <i>[Signature]</i>		DATE: <i>4-7-11</i>	TIME: <i>0945</i>	COC #: <i>1104132</i>		Scheduled By:		RUSH	NORMAL				
												FAX	QA/QC				