



MOUNTAIN RESEARCH, LLC

May 17, 2011

Corporate Office & Laboratory:

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

Baltimore Office:

6400 Baltimore National Pike
170-A, #127
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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



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

Test Name Analyses	Test Code	Result	Uncert.	MDA	Units	Date	Analyst
Radium-226	EPA 903.0						
Radium-226		2.52	± 0.40	2.23	pCi/L	04/30/11	BA
Radium-228	EPA 904.0						
Radium-228		-0.45	± 1.59	3.03	pCi/L	05/05/11	BA
Gross Alpha	EPA 900.0						
Gross Alpha		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

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