



**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.: 1104354

Dear Chuck Hess,

Mountain Research, LLC ~ DuBois Office received 1 sample on 4/19/2011 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: 18-May-11

CLIENT: Boro of Punxsutawney STP
Project: Analysis of Effluent for Dannic Energy
Lab Order: 1104354

CASE NARRATIVE

Benchmark Comment: Uranium: MS limit of detection increased due to matrix interference and spike recovery data.

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 Dammic Energy
Project Id: 6025.11.01

Lab Order: 1104354
Lab ID: 1104354-01
Collected By: R. BUTLER
Tag Number:
Collection Date: 4/19/2011 7:00:00 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	49	15	mg/L	4/20/2011	MR-A
BROMIDE BROMIDE	300.0	4.6	0.1	mg/L	4/28/2011	ASI
CHLORIDE Chloride	EPA325.2 & SM4500CHLORIDE-E	590	20	mg/L	4/27/2011	MR-A
SULFATE IN WATER SULFATE	D 516-90	51	10	mg/L	4/20/2011	MR-A
TOTAL DISSOLVED SOLIDS Total Dissolved Solids (Residue, Filterable)	SM2540C, EPA160.1	1200	10	mg/L	4/23/2011	MR-A
URANIUM Uranium	EPA_200.8	ND	13.13	ug/L	5/2/2011	BA

Test Name Analyses	Test Code	Result	Uncert.	MDA	Units	Date	Analyst
Radium-228 Radium-228	EPA 904.0	0.0	± 5.97	10.25	pCi/L	05/05/11	BA
Gross Alpha Gross Alpha	EPA 900.0	4.68	± 11.24	48.90	pCi/L	05/02/11	BA
Gross Beta		25.87	± 11.71	36.87	pCi/L	05/02/11	BA

Qualifiers: ND - Not Detected at the Reporting Limit

1 of 1

CLIENT PROJECT # B6025		BAES PROJECT NAME		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>Punxsutawney WWTP EdH.</i>																			
CLIENT PUNXSU BOROUGH		SAMPLER <i>R Butler</i>																			
ADDRESS: WATER STREET EXT. PUNXSUTAWNEY, PA 15767				NUMBER OF CONTAINERS	TDS, ALKALINITY, CHLORIDE, SULFATE	BROMIDE	GROSS ALPHA	RADIUM 226	RADIUM 228	URANIUM	PARAMETERS										MR PROJ. MGR.
PHONE: (814) 938-4396 FAX: (814) 938-0455											SAMPLE TEMP										
CONTACT: CHUCK HESS											<i>6</i>										
COMMENTS: INVOICE DANNIC ENERGY																					
FIELD ID.NO.	LOCATION	DATE	TIME	GRAB	COMP												REFR.	LAB NUMBER			
	<i>EdH.</i>	<i>4/18/11</i>	<i>700</i>		X	1-500 ML	X										NONE	<i>OIA-F</i>			
	↓	↓	↓			1-PL 250 ML		X									NONE				
	↓	↓	↓			1-PL LTR			X								NONE				
	↓	↓	↓			1-PL LTR			X								NONE				
	↓	↓	↓			1-PL LTR			X								NONE				
	↓	↓	↓			1-PL 250 ML				X							NONE				
RELINQUISHED BY: <i>R Butler</i>		DATE <i>4/19/11</i>	TIME <i>7:17</i>	RECEIVED BY: <i>[Signature]</i>		DATE <i>4/19/11</i>	TIME <i>9:40</i>	Logged In By: <i>DS</i>		Labeled By: <i>DS</i>		SPECIAL HANDLING RUSH NORMAL FAX QAI/QC									
RELINQUISHED BY: <i>[Signature]</i>		DATE <i>4/19/11</i>	TIME <i>1500</i>	RECEIVED BY LABORATORY: <i>[Signature]</i>		DATE <i>4-19-11</i>	TIME <i>1600</i>	COC # <i>1104354</i>		Scheduled By:											