



MOUNTAIN RESEARCH, LLC

May 17, 2011

Corporate Office & Laboratory:

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PADEP #07-418 EPA Lab #PA00165

Baltimore Office:

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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.: 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 Dannic 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	Result	Detection Limit Units	Date	Laboratory
ALKALINITY	EPA 310.2, SM2320B				
Alkalinity		49	15 mg/L	4/20/2011	MR-A
BROMIDE	300.0				
BROMIDE		4.6	0.1 mg/L	4/28/2011	ASI
CHLORIDE	EPA325.2 & SM4500CHLORIDE-E				
Chloride		590	20 mg/L	4/27/2011	MR-A
SULFATE IN WATER	D 516-90				
SULFATE		51	10 mg/L	4/20/2011	MR-A
TOTAL DISSOLVED SOLIDS	SM2540C, EPA160.1				
Total Dissolved Solids (Residue, Filterable)		1200	10 mg/L	4/23/2011	MR-A
URANIUM	EPA_200.8				
Uranium		ND	13.13 ug/L	5/2/2011	BA

Test Name Analyses	Test Code	Result	Uncert.	MDA	Units	Date	Analyst
Radium-226	EPA 903.0						
Radium-226		2.55	± 0.41	2.26	pCi/L	04/30/11	BA
Radium-228	EPA 904.0						
Radium-228		0.0	± 5.97	10.25	pCi/L	05/05/11	BA
Gross Alpha	EPA 900.0						
Gross Alpha		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

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A 100% Employee Owned Environmental & Laboratory Services Corporation
www.mountainresearch.com

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