



MOUNTAIN RESEARCH, LLC

August 10, 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.: 1107284

Dear Chuck Hess,

Mountain Research, LLC ~ DuBois Office received 1 sample on 7/19/2011 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: 10-Aug-11

CLIENT: Boro of Punxsutawney STP
Project: Analysis of Effluent for Dannic Energy
Lab Order: 1107284

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

ASI Analytical Services PA DEP #33-00411

SET Summit Environmental Tech PA DEP #68-01335



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Mountain Research, LLC ~ DuBois Office

Date: 10-Aug-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: 1107284

Lab ID: 1107284-01

Collected By: R. BUTLER

Tag Number:

Collection Date: 7/19/2011 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		93	15 mg/L	7/26/2011	MR-A
BROMIDE	E300.0-BR				
Bromide		19.7	0.1 mg/L	7/27/2011	ASI
CHLORIDE	EPA325.2 & SM4500CHLORIDE-E				
Chloride		1600	100 mg/L	7/28/2011	MR-A
SULFATE IN WATER	D 516-90				
SULFATE		150	25 mg/L	7/26/2011	MR-A
TOTAL DISSOLVED SOLIDS	SM2540C, EPA160.1				
Total Dissolved Solids (Residue, Filterable)		3700	10 mg/L	7/20/2011	MR-A
URANIUM	EPA_200.8				
Uranium		ND	1 ug/L	7/22/2011	SET

Test Name Analyses	Test Code	Result	LOQ	Units	Date	Analyst
Radium-226	EPA 903.0					
Radium-226		1.96+/-0.3	1	pCi/L	08/02/11	SET
Radium-228	EPA 904.0					
Radium-228		5.01+/-0.38	1	pCi/L	08/01/11	SET
Gross Alpha/Beta	EPA 900.0					
Gross Alpha		12.78+/-10.94	3	pCi/L	07/28/11	SET

Qualifiers: ND - Not Detected at the Reporting Limit

1 of 1

CLIENT PROJECT # B6025		BAES PROJECT NAME <i>Dannic Bi-Monthly Samples</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>Punxsy LWWTP ETL</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	TDS, ALKALINITY, CHLORIDE, SULFATE	BROMIDE	GROSS ALPHA	RADIUM 226	RADIUM 228	URANIUM	PARAMETERS										MR PROJ. MGR.	SAMPLE TEMP <i>8</i>		
FIELD ID.NO.	LOCATION	DATE	TIME	GRAB	COMP																		PRESER	LAB NUMBER
	<i>ETL</i>	<i>7/19</i>	<i>7:02</i>		<i>X</i>	1-500 ML	<i>X</i>																NONE	<i>OIA</i>
	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	1-PL 250 ML		<i>X</i>															NONE	<i>OIB</i>
	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	1-PL LTR			<i>X</i>														HN03	<i>OIC</i>
	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	1-PL LTR				<i>X</i>													HN03	<i>OID</i>
	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	1-PL LTR					<i>X</i>												HN03	<i>OIE</i>
	<i>↓</i>	<i>↓</i>	<i>↓</i>		<i>↓</i>	1-PL 250 ML						<i>X</i>											HN03	<i>OIF</i>
RELINQUISHED BY: <i>R Butler</i>		DATE <i>7/19/11</i>	TIME <i>7:15</i>	RECEIVED BY: <i>Michelle Rn</i>		DATE <i>7/19/11</i>	TIME <i>1012</i>	Logged In By: <i>DS 7-19-11 1346</i>		Labeled By: <i>DS</i>		SPECIAL HANDLING RUSH NORMAL FAX QA/QC												
RELINQUISHED BY: <i>Michelle Rose</i>		DATE <i>7/19/11</i>	TIME <i>1220</i>	RECEIVED BY LABORATORY: <i>D Shannon</i>		DATE <i>7-19-11</i>	TIME <i>1253</i>	COC # <i>1107234</i>		Scheduled By:														