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May 24, 2011

#### Via Overnight Mail and Email

Ms. Jacqueline Morrison (3LC00) Land and Chemicals Division U.S. Environmental Protection Agency, Region III 1650 Arch Street Philadelphia, PA 19103

Re: Response to Request for Information on Marcellus Shale Flowback Water

Dear Ms. Morrison:

This letter is in response to the United States Environmental Protection Agency's ("EPA") request for information dated May 12, 2011 ("RFI") regarding Gas Extraction Wastewater in the Marcellus Shale of Pennsylvania. More specifically, our reply is solely and directly related to that wastewater generated by gas extraction operations owned or operated by Talisman Energy USA Inc. ("Talisman").

Talisman respects the mission of the EPA and is committed to conducting its business safely, as well as in a manner which is environmentally, socially and ethically responsible --values which are upheld by our employees. Talisman supports all Pennsylvania state regulatory efforts to ensure that wastewater, from any source related to our operations, is properly managed and disposed of in accordance with the governing regulations.

As a company, we are in full support of these public concerns and we appreciate the EPA's interest in the issues related to wastewater disposal. Talisman takes regulatory compliance very seriously and continues to work cooperatively with the Pennsylvania Department of Environmental Protection ("DEP") on various gas extraction issues and concerns. We encourage continued cooperation between DEP and the EPA in their respective efforts to protect human health and the environment, to streamline regulations, and to deliver a vital source of energy to Pennsylvania and the Nation.

We look forward to our continued work with the DEP, the EPA, industry, environmental organizations, and policy makers as, together, we strive to ensure that wastewater disposal practices are managed appropriately throughout the Marcellus Shale in Pennsylvania.



#### **General Objections**

Talisman asserts the following general privileges, protections, and objections with respect to the RFI and each information request therein.

- 1. Talisman asserts that nine business days is an unrealistically short amount of time to respond to the RFI and does not reasonably reflect the volume of responsive information that EPA has requested. Therefore, Talisman objects to the deadline and reserves the right to supplement this response with any materials that it was unable to submit by the requested deadline.
- 2. Talisman asserts all privileges and protections it has in regard to the documents and other information sought by EPA, including the attorney-client privilege, the attorney work product doctrine, all privileges and protections related to materials generated in anticipation of litigation, the settlement communication protection, the confidential business information ("CBI") and trade secret protections, and any other privilege or protection available to it under law.
- 3. In the event that a document containing CBI or trade secrets has been inadvertently included among the documents provided in response to the RFI, Talisman asks that any such documents be returned to Talisman immediately so that Talisman may resubmit the document in accordance with the applicable requirements for the submission of confidential information. Talisman states for the record that it is not thereby waiving any available privilege or protection as to any such document.
- 4. Talisman objects to any requirement to produce documents or information already in the possession of a government agency, including the DEP or already in the public domain. Notwithstanding this objection, and without waiving it, Talisman is producing information that is otherwise available to EPA.
- 5. Talisman objects to Instruction 3 on the ground that EPA has no authority to impose a continuing obligation of Talisman to supplement these responses. Talisman will, of course, comply with any lawful requests that are within EPA's authority.
- 6. Talisman objects to the definition of "you" contained in Enclosure 2 because the term is overbroad and purports to require Talisman to seek and collect information and documents in the possession, custody, or control of individuals not within the custody or control of Talisman. Notwithstanding this objection, and without waiving it, Talisman has undertaken a diligent and good faith effort to locate and furnish documents and information in its possession, custody, and control that are responsive to the RFI.



#### Responses to the Request for Information

Provide a list identifying each state permitted Well that you own or operate in EPA
Region III and include the latitude and longitude for each Well and identify whether each
well is actively being drilled, is completed, or is producing natural gas.

#### RESPONSE:

Talisman is providing information regarding Wells that it owns or operates in Pennsylvania that are permitted by the state and are actively being drilled, are complete, or are producing gas. Although not within the scope of the RFI, Talisman is also providing EPA information on wells that Talisman has obtained permits for, but has not yet drilled.

Talisman's Wells fall under four main classifications:

- (a) Wells in which Talisman holds a 100% ownership interest and has drilled, completed and produced to date - See Appendix 1(a);
- (b) Wells in which Talisman holds a 100% ownership interest and has obtained permits but has not yet drilled See Appendix 1(b);
- (c) Wells in which Talisman holds a 50% ownership interest that were drilled and completed by a third party entity and have been transferred to Talisman to manage production operations - See Appendix 1(c); and
- (d) Wells that have been, or are presently in process of being drilled, completed and produced by a third party and where Talisman retains an ownership interest without an operating interest - See Appendix 1(d).
- 2. Provide all Pennsylvania "26R" forms completed and submitted to the Commonwealth of Pennsylvania for all Gas Extraction Wastewaters associated with your Wells for the calendar year 2010, including complete Chemical Analysis Attachments associated with each.

#### RESPONSE:

Talisman has attached copies of its 26R forms that were submitted to the DEP in 2010 for all Gas Extraction Wastewaters (See Appendix 2). By letter dated May 13, 2011 and received on May 20, 2011, the DEP notified Talisman that a portion of its submitted 26R forms that were filed under the 802 waste code should have been classified under the 804 code. The substance of the identified 26R forms will not change — only the waste code noted on the form. Talisman will forward a copy of the revised 26Rs to EPA when the revisions are completed. Talisman files 26R Forms with DEP for four types of Gas Extraction Wastewater and solid sources. Although not within the defined scope of the RFI, Talisman has included 26R forms for Waste Codes 804 and 810 filed for 2010.



- (a) Appendix 2(a) Wastewater reported under residual waste code 802 (brine and wastewater) (which as noted above, some will be recoded to waste code 804) represents "Produced Water and Flowback Fluids" which is wastewater that is generated as a result of the well completion or fracturing process and during the gas production phase of operations.
  - Chemical Analysis: DEP does not require that an individual chemical analysis be submitted with each 26R under this waste code. Rather, at the direction of the DEP, Talisman calculated a statistical 95% upper confidence level (UCL) average to represent the constituents of Talisman's Produced Water and Flowback Fluid. The most recent Produced Water and Flowback Fluid sampling that comprise the current 95% UCL was conducted on August 18, 2010. Talisman continues to work cooperatively with DEP and to refine the statistical analysis on a periodic basis to ensure that the 95% UCL represents our Produced Water and Flowback Fluid. Talisman's 95% UCL analysis is included in the Appendix 2(a) Part 1 which is attached to the 26R Forms.
- (b) Appendix 2(b) Waste solids reported under residual code 804 (fracking fluid waste) represents "Waste Flowback Sand" which is sand that was pumped down the well during the fracturing process and has returned to surface with flowback water. This sand is separated from the flowback fluid at the well site and is sent to a permitted landfill for disposal.
- (c) Appendix 2(c) Wastewater and solids reported under residual waste code 808 (servicing fluid, oil/water emulsion) represents "Oily Wastewater and Solids" which are removed from the gas stream at compressor stations through the process of free-water knock-out, scrubbing, filtration, condensation and dehydration.
- (d) Appendix 2(d) Waste solids reported under residual waste code 810 (oil and gas drill cuttings) represents "Drill Cuttings" that are generated as the drilling process encounters formation rock cuttings, natural water formations and includes water used for dust suppression. Solids are stabilized with sawdust and disposed at permitted landfills.
- 3. For the Period of April 19, 2011 to present, identify your Gas Extraction Wastewater management activities, including disposal, reuse, treatment, recycling, and reclamation for your Wells. In so doing, provide the following:
  - For each Well, the actual or estimated amount of Gas Extraction Wastewater generated;
  - b. For each facility that has received your Gas Extraction Wastewater, including but not limited to, underground injection wells, wastewater treatment plants, and recycling facilities, provide the name and address for each such facility, the name and address of any entity that transported your Gas Extraction Wastewater to



- each facility, and the volume (in gallons) of such Gas Extraction Wastewater sent to each such facility;
- c. The total volume (in gallons) of Gas Extraction wastewater that you treated and recycled or caused to be treated or recycled for all your Well sites;
- d. A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater; and
- e. All modified disposal plans that you submitted after April 19, 2011 to the Commonwealth pursuant to the Pennsylvania Code Title 52 Section 78.55.
- f. Describe your use of pits, lagoons, impoundments or other land-based units for the storage or disposal of such Gas Extraction Wastewater associated with your gas extraction activities.
- g. Provide the latitude and longitude for all pits, lagoons, impoundments or other land based units used for the storage of Gas Extraction Wastewater associated with your gas extraction activities.

#### RESPONSE:

For the period April 19, 2011 through May 12, 2011 ("RFI period"), Talisman recycled all of its Gas Extraction Wastewater. Wastewater is either (1) pretreated before recycling (i.e. Gas Extraction Wastewater fluid is transported from an originating well to an approved treatment facility before transportation to a receiving well for recycling in a subsequent fracturing operations), or (2) not pretreated before recycling, (i.e., Gas Extraction Wastewater fluid is taken directly from the well of generation to the receiving well for a subsequent fracturing operations).

The total amount of Gas Extraction Wastewater generated at Talisman owned and (a) operated wells (See Response to Question 1(a) and 1(c) for the Wells included in this Response) is identified in the attached Appendix 3(a). There is no volumetric measurement of Gas Extraction Wastewater at the well pads. Therefore, the wastewater volumes are estimated based on the following: Talisman well pads have one or two interconnected above ground storage tanks ("AGST") with a range of 100-800 bbl total AGST capacity. Gas Extraction Wastewater is collected in the storage tanks and then transported for treatment and/or recycling when the volume is sufficient to fill trucking capacity. Talisman calculates an estimated total volumetric amount of Talisman's Gas Extraction Wastewater using the volumes reported by the transportation company or the Talisman then allocates the total volume of Gas Extraction treatment facility. Wastewater to individual wells by dividing the total volume by the number of days collected prior to transportation to determine the estimated pad production per day. Then the pad production volume is allocated to each well as a percentage of total volume.



- b) Talisman did not dispose of any Gas Extraction Wastewater at underground injection wells or wastewater treatment facilities during the RFI period. Talisman utilized the treatment recycling facility, TerrAqua Resource Management (TARM), located at Suite 201, 1000 Commerce Park Drive, Williamsport, PA 17701. The total volume of Gas Extraction Wastewater fluid treated at TARM (based on the volume received as reported by TARM) over the RFI period was 2,155,921 gallons. All fluid was transported by Gas Field Specialists, Inc. which is located at 1171 SR 44, Shinglehouse, PA 16748.
- c) The total volume of untreated Gas Extraction Wastewater fluid recycled during the RFI period was 2,959,992 gallons. The total volume of Gas Extraction Wastewater fluid treated for recycle at TARM (see Response 3(b) above) during the RFI period was 2,155,921 gallons. Therefore, the total volume of Gas Extraction Wastewater that Talisman treated and/or recycled during the RFI period was 5,115,913 gallons.
- d) Talisman first performs a field test to evaluate the quality of the wastewater to determine whether the fluid is suitable for untreated recycling or whether treatment is necessary. Untreated Gas Extraction Wastewater fluid is transported by Gas Field Specialists, Inc. directly from the well site of origination to receiving well locations for recycling in subsequent fracturing operations without any form of pre-treatment. Recycled Gas Extraction Wastewater fluid requiring treatment is taken to TARM and is treated for the selected removal of scaling constituents. TARM utilizes a chemical pre-treatment process whereby heavy metals and hardness are removed. The treated wastewater is a high chloride brine which is transported via trucking back to subsequent fracturing locations for recycling. TARM also manages the disposal of a solid byproduct (non-hazardous dry filter cake) which is properly disposed of at certified landfills.
- e) Talisman has not been requested to submit a modified disposal plan pursuant to 25 Pa. Code §78.55 since April 19, 2011.
- f) Talisman's Marcellus operations have not used pits, lagoons, impoundments, or other land-based units for the storage or disposal of any Gas Extraction Wastewater fluids.

### g) Not applicable.

4. Identify your intentions for disposal, reuse, treatment, recycling, and reclamation of Gas Extraction Wastewater after May 19, 2011, including your expected methods and location for disposal, treatment, or recycling during calendar year 2011. Provide the expected percentage of your Gas Extraction Wastewater by disposal, treatment, or recycling method.



#### RESPONSE:

After May 19, 2011, Talisman intends to continue its recycling practices described in response to Question 3 above. Talisman's goal has been, and will continue to be, to recycle 100% of its Gas Extraction Wastewater, with no fluid disposal under standard operating conditions. However, in the event there is an operational disruption (i.e. there is no available well to receive and use recycled wastewater), Talisman has sufficient storage capacity to bridge an isolated shutdown of our recycle program until normal operations are restored.

Talisman will manage untreated Gas Extraction Wastewater through its recycling program including the utilization of TARM for treatment of recycled Gas Extraction Wastewater fluid as necessary. To prepare for the possibility that operational disruptions (i.e. there is no available Well available to receive and use recycled wastewater) could exceed our short term storage capacity, Talisman has the option of using disposal facilities that are permitted to meet the updated DEP Chapter 95 discharge regulations. Talisman expects that it will achieve greater than a 90% recycle rate in 2011.

- 5. Submit quarterly reports to EPA on your waste disposal and recycling practices commencing on July 1, 2011 and continuing on a quarterly basis thereafter until June 30, 2012, for a total of four (4) reports. Such quarterly reports shall include the following information for the prior quarter:
  - For each Well, the actual or estimated volume (in gallons) of Gas Extraction Wastewater generated;
  - b. For each facility that has received your Gas Extraction Wastewater, including but not limited to, underground injection wells, wastewater treatment plants, and recycling facilities, provide the name and address for each such facility, the name and address of any entity that transported your Gas Extraction Wastewater to each facility, and the volume (in gallons) of such Gas Extraction Wastewater sent to each such facility;
  - c. The total volume (in gallons) of Gas Extraction wastewater that you or any third parties treated and recycled or caused to be treated or recycled for all your Well sites;
    - d. A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater; and
    - e. Describe your use of pits, lagoons, impoundments or other land-based units for the storage or disposal of such Gas Extraction Wastewater for your gas extraction activities.



f. Provide the latitude and longitude for all pits, lagoons, impoundments, or other land based units used for the storage of Gas Extraction Wastewater associated with your gas extraction activities.

#### RESPONSE:

In addition to the objections set forth above, Talisman objects to EPA's imposition of new reporting requirements absent any demonstration that Talisman has discharged or released or is likely to discharge or release a regulated substance that would subject Talisman to reporting requirements under the Clean Water Act, the Comprehensive Environmental Response, Compensation and Liability Act, or the Resource Conservation and Recovery Act.

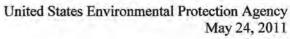
Talisman strongly objects to the imposition of any duplicative regulatory reporting requirements that in whole, or in part overlap with existing state regulations/programs. This will lead to confusion and the expenditure of unnecessary resources to reconcile differences in reporting format or scope. Talisman proposes that EPA and DEP meet and confer on this issue and develop a single source of reporting requirements using existing DEP reporting requirements as a foundation.

Notwithstanding these objections, Talisman is willing to work with EPA to assist it to better understand Talisman's Marcellus Shale operations and its wastewater management practices. Therefore, Talisman will submit the requested reports subject to the following clarification. Talisman contends that it is impractical to request reporting to be submitted quarterly starting on July 1 for the preceding quarter (April, May and June) without sufficient time to compile the required information. Talisman will submit the quarterly reports within 60 days after the close of the quarter, (i.e. August 30<sup>th</sup>, November 30<sup>th</sup>, February 28<sup>th</sup> and May 30<sup>th</sup>) for the period of time requested in the RFI.

6. Identify any and all discharges or releases of any substances, wastes, and/or Gas Extraction Wastewater from facilities that contain Wells that you own or operate and all media (air, water, or land) that were affected by such discharges or releases and the estimated quantities of all substances discharged or released for the past five (5) years.

#### RESPONSE:

In addition to the General Objections set forth above, Talisman objects to this request as overbroad in scope, unauthorized by law to the extent it is overbroad, and unduly burdensome. The request to provide information related to "all discharges or releases of any substances," "all media that were affected," and their "estimated quantities" for "the past five years" is beyond the scope of EPA's stated purpose and authority to collect information regarding wastewater generated by Talisman's Marcellus Shale operations. In particular, the term "substances" is undefined and ambiguous and as such, is overly broad and beyond the scope of EPA's regulatory authority to seek information related to the actual and/or threatened discharge of pollutants or hazardous substances. For the purposes of this Response, Talisman will identify any regulated substances or fluids that were released beyond secondary containment.





Notwithstanding this objection, in Appendix 6, Talisman is providing a list of all releases of regulated substances or fluids at Wells that Talisman has owned or operated as set forth in the Response to Question 1(a) and 1(c) and which all were reported to DEP.

All of the above referenced appendices have been saved in Adobe PDF format and are included in the attached cd-rom.

Sincerely,

Todd L. Normane

Associate General Counsel

cc: Robert A. Broen, President, Talisman Energy USA Inc.

Nels Tabor, Director, PADEP (w/o attachments)

Geoff Ayers, Regional Counsel, PADEP (w/o attachments)

#### CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through nine, and based on my inquiry of those individuals responsible for the obtaining the information, I believe that the submitted information is true, accurate and complete.

Talisman Energy USA Inc.

By: \_\_\_

Todd L. Normane

Associate General Counsel

Date: May 24, 2011

85882 - (03-036-02) J 2H Completion (03-036-02) 41* 57* 1,48* N 76* 53* 84.2" W 85994 - (05-06) M 6H Completion (03-036-01) D 1H Completion (03-036-01) 41* 48* 59.38* N 76* 53* 28.8.2" W 85994 - (05-06) M 6H Completion (03-05-01) 41* 48* 59.81* N 76* 53* 28.2" W 86001 - (03-067-02) 0 2H Completion (03-067-01) 41* 48* 59.81* N 76* 53* 28.2" W 86001 - (03-067-02) 0 3+ (03-067-02) 0 3+ (03-067-02) 0 3+ (03-067-02) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03) 0 3+ (03-067-03)	Well Name	Status	Wellcode Lat	Long
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86002 - (03-067-04) O 4H		Completion	(03-067-03) 41° 48′ 59.36" N	
86062 - (03-054-01) J 1H		Completion	(03-067-04) 41° 48' 59.4" N	
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86085 - (03-054-04) J 4H		Completion	(03-054-02) 41° 52' 8.82" N	
86092 -	A PROPERTY OF THE PROPERTY OF	Completion	(03-054-04) 41° 52' 9.32" N	
86173 - 86394 - (03-014-04) J 4H Completion (03-014-04) 41° 51′ 46.61″ N 76° 52′ 55.49″ W 8594 - (05-006-06) L 6H Completion (05-006-06) 41° 49′ 36.3″ N 76° 12′ 1.41″ W 85493 - FEI DCNR 587 (02-004-04) H Drilling (02-004-04) 41° 42′ 19.25″ N 76° 59′ 30.71″ W 85587 - DCNR 587 (02-006-04) 4H Drilling (02-006-04) 41° 41′ 15.55″ N 76° 59′ 40.17″ W 85589 - DCNR 587 (02-005-01) 1H Drilling (02-005-01) 41° 41′ 38.42″ N 76° 59′ 40.17″ W 85589 - DCNR 587 (02-005-02) 2H Drilling (02-005-02) 41° 41′ 38.24″ N 76° 59′ 40.49″ W 85590 - DCNR 587 (02-005-03) 3H Drilling (02-005-03) 41° 41′ 38.24″ N 76° 59′ 40.49″ W 85591 - DCNR 587 (02-005-04) 4H Drilling (02-005-03) 41° 41′ 37.53″ N 76° 59′ 41.12″ W 85592 - DCNR 587 (02-005-05) 5H Drilling (02-005-06) 41° 41′ 37.53″ N 76° 59′ 41.12″ W 85593 - DCNR 587 (02-005-06) 6H Drilling (02-005-06) 41° 41′ 37.53″ N 76° 59′ 41.12″ W 85684 - (03-005-06) 6H Drilling (03-005-06) 41° 41′ 37.53″ N 76° 50′ 46.22″ W 85684 - (10-32-02) G 2H Drilling (01-032-02) 41° 42′ 40.19″ N 76° 50′ 17.68″ W 85685 - (10-32-03) G 3H Drilling (01-032-04) 41° 42′ 40.43″ N 76° 50′ 17.68″ W 85685 - (10-32-04) G 4H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85779 - (10-32-04) S 1H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85925 - (10-30-029-03) S 3H Drilling (03-0029-04) 41° 56′ 11.45″ N 76° 52′ 29.89″ W 85925 - (10-30-029-04) S 1H Drilling (03-0029-04) 41° 56′ 11.45″ N 76° 52′ 3.36″ W 85926 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 65926 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling (03-005-04) 41° 53′ 54.88″ N 76° 53′ 42.22″ W 85971 - (10-30-029-04) S 4H Drilling		Completion	(03-046-08) 41° 54' 14.75" N	
86394 - (05-006-06) L 6H		Completion	(03-014-04) 41° 51' 46.61" N	
85587 - DCNR 587 (02-006-04) 4H Drilling (02-006-04) 41° 41′ 15.55″ N 76° 59′ 43.93″ W 85588 - DCNR 587 (02-005-01) 1H Drilling (02-005-01) 41° 41′ 38.42″ N 76° 59′ 40.17″ W 85589 - DCNR 587 (02-005-02) 2H Drilling (02-005-02) 41° 41′ 38.24″ N 76° 59′ 40.49″ W 85590 - DCNR 587 (02-005-03) 3H Drilling (02-005-03) 41° 41′ 38.07″ N 76° 59′ 40.8″ W 85591 - DCNR 587 (02-005-04) 4H Drilling (02-005-04) 41° 41′ 37.89″ N 76° 59′ 41.12″ W 85592 - DCNR 587 (02-005-05) 5H Drilling (02-005-04) 41° 41′ 37.89″ N 76° 59′ 41.43″ W 85593 - DCNR 587 (02-005-06) 6H Drilling (02-005-05) 41° 41′ 37.53″ N 76° 59′ 41.43″ W 85683 - DCNR 587 (02-005-06) 6H Drilling (02-005-06) 41° 41′ 37.53″ N 76° 59′ 41.75″ W 85684 - Drilling (03-001-01) E 1H Drilling (01-032-02) 41° 42′ 39.94″ N 76° 50′ 47.63″ W 85685 - Drilling (01-032-02) 41° 42′ 40.19″ N 76° 50′ 47.63″ W 85685 - Drilling (01-032-04) 41° 42′ 40.19″ N 76° 50′ 47.63″ W 85778 - Critical State of the s		Completion	(05-006-06) 41° 49' 36.3" N	
85587 - DCNR 587 (02-006-04) 4H  85588 - DCNR 587 (02-005-01) 1H  85589 - DCNR 587 (02-005-02) 2H  85590 - DCNR 587 (02-005-03) 3H  85591 - DCNR 587 (02-005-03) 3H  85591 - DCNR 587 (02-005-04) 4H  85592 - DCNR 587 (02-005-05) 5H  85593 - DCNR 587 (02-005-05) 5H  85685 - DCNR 587 (02-005-06) 6H  85594 - DCNR 587 (02-005-06) 6H  85685 - DCNR 587 (02-005-06) 6H  85685 - DCNR 587 (02-005-06) 6H  85686 - DCNR 587 (02-005-06) 6H  85685 - DCNR 587 (02-005-06) 6H  85686 - DCNR 587 (02-005-06) 6H  85687 - DCNR 587 (02-005-06) 6H  85688 - DCNR 587 (02-005-06) 6H  85689 - DCNR 587 (02-005-06) 6H  85680 - DCNR 587 (02-005-06) 6H  85681 - DCNR 587 (02-005-06) 6H  85682 - DCNR 587 (02-005-06) 6H  85683 - DCNR 587 (02-005-06) 6H  85684 - DCNR 587 (02-005-06) 6H  85685 - DCNR 587 (02-005-06) 6H  85686 - DCNR 587 (02-005-06) 6H  85687 - DCNR 587 (02-005-06) 6H  85687 - DCNR 587 (02-005-06) 6H  85688 - DCNR 587 (02-005-06) 6H  85689 - DCNR 587 (02-005-06) 6H  85680 - DCNR 587 (02-005-06) 6H  85680 - DCNR 587 (02-005-06) 6H  85681 - DCNR 587 (02-005-06) 6H  85682 - DCNR 587 (02-005-06) 6H  85683 - DCNR 587 (02-005-06) 6H  85684 - DCNR 587 (02-005-06) 6H  85685 - DCNR 587 (02-005-06) 6H  85686 - DCNR 587 (02-005-06) 6H  85686 - DCNR 587 (02-005-05) 5H  85687 - DCNR 587 (02-005-05) 5H  85688 - DCNR 587 (02-005-05) 5H  85689 - DCNR 587 (02-005-05) 5H  85680 - DCNR 587 (02-005-05) 5H		Drilling	(02-004-04) 41° 42' 19.25" N	76° 59' 30,71" W
85589 - DCNR 587 (02-005-02) 2H		Drilling	(02-006-04) 41° 41' 15.55" N	
85590 - DCNR 587 (02-005-03) 3H	85588 - DCNR 587 (02-005-01) 1H	Drilling	(02-005-01) 41° 41' 38.42" N	76° 59' 40.17" W
85590 - DCNR 587 (02-005-03) 3H	85589 - DCNR 587 (02-005-02) 2H	Drilling	(02-005-02) 41° 41' 38.24" N	76° 59' 40.49" W
85592 - DCNR 587 (02-005-05) 5H	85590 - DCNR 587 (02-005-03) 3H	Drilling	(02-005-03) 41° 41' 38.07" N	
85593 - DCNR 587 (02-005-06) 6H		Drilling	(02-005-04) 41° 41' 37.89" N	76° 59' 41.12" W
85655 - (03-001-01) E 1H Drilling (03-001-01) 41° 50' 20.6" N 76° 50' 46.22" W 85683 - (103-0202) G 2H Drilling (01-032-02) 41° 42' 39.94" N 76° 50' 17.69" W 85684 - (103-0203) G 3H Drilling (01-032-03) 41° 42' 40.19" N 76° 50' 17.63" W 85685 - (103-0204) G 4H Drilling (01-032-04) 41° 42' 40.43" N 76° 50' 17.56" W 85778 - (103-006-03) A 3H Drilling (03-006-03) 41° 49' 16.96" N 76° 52' 29.69" W 85779 - (103-006-04) A 4H Drilling (03-006-04) 41° 49' 17.21" N 76° 52' 29.89" W 85923 - (103-029-01) S 1H Drilling (03-029-01) 41° 56' 11.45" N 76° 52' 3.98" E 85924 - (103-029-03) S 3H Drilling (03-029-03) 41° 56' 11.28" N 76° 52' 3.98" E 85925 - (103-029-02) S 2H Drilling (03-029-02) 41° 56' 11.45" N 76° 52' 3.98" E 85926 - (103-029-04) S 4H Drilling (03-029-04) 41° 56' 11.19" N 76° 52' 3.98" E 85970 - (103-065-01) W 1H Drilling (03-065-02) 41° 53' 54.88" N 76° 53' 42.22" W 85971 - (103-065-02) W 2H Drilling (03-065-02) 41° 53' 54.88" N 76° 53' 42.68" W		Drilling	(02-005-05) 41° 41' 37.71" N	76° 59' 41.43" W
85683 - 11-032-02) G 2H Drilling (01-032-02) 41° 42′ 39.94″ N 76° 50′ 17.69″ W 85684 - 11-032-03) G 3H Drilling (01-032-03) 41° 42′ 40.19″ N 76° 50′ 17.63″ W 85685 - 11-032-04) G 4H Drilling (01-032-04) 41° 42′ 40.43″ N 76° 50′ 17.56″ W 85778 - 12 (03-06-03) A 3H Drilling (03-006-03) 41° 49′ 16.96″ N 76° 52′ 29.69″ W 85779 - 12 (03-06-04) A 4H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85923 - 12 (03-029-01) S 1H Drilling (03-029-01) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85924 - 12 (03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.98″ E 85925 - 12 (03-029-04) S 4H Drilling (03-029-02) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - 12 (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 3.98″ E 85970 - 12 (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - 12 (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(02-005-06) 41° 41' 37.53" N	76° 59' 41.75" W
85684 - D1-032-03) G 3H Drilling (01-032-03) 41° 42′ 40.19″ N 76° 50′ 17.63″ W 85685 - D1-032-04) G 4H Drilling (01-032-04) 41° 42′ 40.43″ N 76° 50′ 17.56″ W 85778 - C03-06-03) A 3H Drilling (03-006-03) 41° 49′ 16.96″ N 76° 52′ 29.69″ W 85779 - C03-06-04) A 4H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85923 - C03-029-01) S 1H Drilling (03-029-01) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85924 - C03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.98″ E 85925 - C03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - C03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 0.05″ W 85970 - C03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - C03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(03-001-01) 41° 50' 20.6" N	76° 50' 46.22" W
85685 - 01-032-04) G 4H Drilling (01-032-04) 41° 42′ 40.43″ N 76° 50′ 17.56″ W 85778 - 12 (03-006-03) A 3H Drilling (03-006-03) 41° 49′ 16.96″ N 76° 52′ 29.69″ W 85779 - 12 (03-006-04) A 4H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85923 - 12 (03-029-01) S 1H Drilling (03-029-01) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85924 - 12 (03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.36″ W 85925 - 12 (03-029-02) S 2H Drilling (03-029-02) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - 12 (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 0.05″ W 85970 - 12 (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - 12 (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(01-032-02) 41° 42' 39.94" N	76° 50' 17.69" W
85778 - (03-006-03) A 3H Drilling (03-006-03) 41° 49′ 16.96″ N 76° 52′ 29.69″ W 85779 - (03-006-04) A 4H Drilling (03-006-04) 41° 49′ 17.21″ N 76° 52′ 29.89″ W 85923 - (03-029-01) S 1H Drilling (03-029-01) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85924 - (03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.36″ W 85925 - (03-029-02) S 2H Drilling (03-029-02) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 3.98″ E 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(01-032-03) 41° 42' 40.19" N	76° 50' 17.63" W
85779 - (03-006-04) A 4H Drilling (03-006-04) 41° 49' 17.21" N 76° 52' 29.89" W 85923 - (03-029-01) S 1H Drilling (03-029-01) 41° 56' 11.45" N 76° 52' 3.98" E 85924 - (03-029-03) S 3H Drilling (03-029-03) 41° 56' 11.28" N 76° 52' 3.36" W 85925 - (03-029-02) S 2H Drilling (03-029-02) 41° 56' 11.45" N 76° 52' 3.98" E 85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56' 11.19" N 76° 52' 0.05" W 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53' 54.91" N 76° 53' 42.22" W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53' 54.88" N 76° 53' 42.68" W		Drilling	(01-032-04) 41° 42′ 40.43" N	76° 50' 17.56" W
85923 - (03-029-01) S 1H Drilling (03-029-01) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85924 - (03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.36″ W 85925 - (03-029-02) S 2H Drilling (03-029-02) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 0.05″ W 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(03-006-03) 41° 49' 16.96" N	76° 52' 29.69" W
85924 - (03-029-03) S 3H Drilling (03-029-03) 41° 56′ 11.28″ N 76° 52′ 3.36″ W 85925 - (03-029-02) S 2H Drilling (03-029-02) 41° 56′ 11.45″ N 76° 52′ 3.98″ E 85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19″ N 76° 52′ 0.05″ W 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling		76° 52' 29.89" W
85925 - (03-029-02) S 2H Drilling (03-029-02) 41° 56' 11.45" N 76° 52' 3.98" E 85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56' 11.19" N 76° 52' 0.05" W 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53' 54.91" N 76° 53' 42.22" W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53' 54.88" N 76° 53' 42.68" W		Drilling	(03-029-01) 41° 56' 11.45" N	
85926 - (03-029-04) S 4H Drilling (03-029-04) 41° 56′ 11.19" N 76° 52′ 0.05" W 85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91" N 76° 53′ 42.22" W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88" N 76° 53′ 42.68" W	85924 - (03-029-03) S 3H		(03-029-03) 41° 56' 11.28" N	76° 52' 3.36" W
85970 - (03-065-01) W 1H Drilling (03-065-01) 41° 53′ 54.91″ N 76° 53′ 42.22″ W 85971 - (03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W	85925 - (03-029-02) S 2H	Drilling	(03-029-02) 41° 56' 11.45" N	76° 52' 3.98" E
85971 - 03-065-02) W 2H Drilling (03-065-02) 41° 53′ 54.88″ N 76° 53′ 42.68″ W		Drilling	(03-029-04) 41° 56' 11.19" N	76° 52' 0.05" W
			(03-065-01) 41° 53' 54.91" N	
85972 - (03-065-03) W 3H Drilling (03-065-03) 41° 53′ 54.84″ N 76° 53′ 43.14″ W		•		76° 53' 42.68" W
	85972 - (03-065-03) W 3H	Drilling	(03-065-03) 41° 53′ 54.84" N	76° 53' 43.14" W

Tadisman

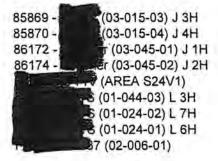
85973 - (03-065-04) W 4H	Drilling	(03-065-04) 41° 53' 54.8" N	701 501 40 00111
86040 - (01-003-02) J 2H	Drilling	(01-003-02) 41° 43′ 29.32″ N	76° 53′ 43.6″ W
86049 - (01-003-03) J 3H	Drilling	(01-003-02) 41° 43′ 29.32′ N	76° 46' 58.12" W
86125 1 J 1H	Drilling	(01-066-01) 41° 42′ 9.26" N	76° 46' 58.45" W
86131 - TEUSA (01-075-03) L 3H	Drilling		76° 48′ 20.05″ W
86132 - TEUSA (01-075-04) L 4H	Drilling	(01-075-03) 41° 41′ 50.53" N	76° 44' 50.8" W
86144 - (03-053-06) J 6H	Drilling	(01-075-04) 41° 41' 50.87" N	76° 44' 50.83" W
86145 - 37 J 7H	Drilling	(03-053-06) 41° 49' 34.47" N	76° 51' 24.29" W
86147 - 38) J 8H	and the second color of th	(03-053-07) 41° 49' 34.96" N	76° 51' 24.27" W
86158 - (03-040-04) B 4H	Drilling	(03-053-08) 41° 49' 34.96" N	76° 51′ 24.27" W
86183 - TEUSA (03-025-01) E 1H	Drilling	(03-040-04) 41° 54′ 8.77″ N	76° 51' 20.24" W
86253 - TEUSA CUMMINGS LUMBER (01-081-01) 1H	Drilling	(03-025-01) 41° 52' 59.17" N	76° 49' 10.86" W
	Drilling	(01-081-01) 41° 48' 36.65" N	76° 46′ 22.7" W
86255 - TEUSA CUMMINGS LUMBER (01-081-03) 3H	Drilling	(01-081-03) 41° 48' 36.17" N	76° 46′ 22.56″ W
86256 - TEUSA CUMMINGS LUMBER (01-081-04) 4H	Drilling	(01-081-04) 41° 48' 35.92" N	76° 46′ 22.5" W
86257 - TEUSA CUMMINGS LUMBER (01-081-05) 5H	Drilling	(01-081-05) 41° 48' 35.68" N	76° 46' 22.43" W
86373 - 10101 (05-004-01) P 1H	Drilling	(05-004-01) 41° 50' 11.85" N	76° 14' 18.43" W
86382 - (05-001-01) J 1H	Drilling	(05-001-01) 41° 49' 0.03" N	76° 13' 26.083" W
86387 - 5-005-01) K 1H	Drilling	(05-005-01) 41° 50' 13.61" N	76° 13' 32.13" W
86395 - 1 (05-009-01) V 1H	Drilling	(05-009-01) 41° 49' 52.046" N	76° 7' 52.273" W
86411 - 05-026-01) G 1H	Drilling	(05-026-01) 41° 57' 38.88" N	76° 15' 23.21" W
86420 - 05-080-01) R 1H	Drilling	(05-080-01) 41° 56' 4.33" N	76° 11' 41.25" W
86542 - i (05-074-01) D 1H	Drilling	(05-074-01) 41° 55' 8.18" N	76° 16' 57,94" W
86565 - (05-031-01) M 1H	Drilling	(05-031-01) 41° 52' 19.16" N	76° 12' 27.21" W
86570 - 05-034-01) H 1H	Drilling	(05-034-01) 41° 53' 15.63" N	76° 9' 39.24" W
86586 - <u>5-040</u> -01) C 1H	Drilling	(05-040-01) 41° 54' 1.39" N	76° 15' 41.31" W
86592 - (05-082-01) 1H	Drilling	(05-082-01) 41° 57' 24.2" N	76° 9' 55.42" W
86665 - 05-180-01) 1H	Drilling	(05-180-01) 41° 56' 32.96" N	76° 18' 53.9" W
86726 - (05-165-01) R 1H	Drilling	(05-165-01) 41° 59′ 7.75" N	76° 15' 0.22" W
86732 - 3-223-01) W 1H	Drilling	(05-223-01) 41° 57' 53.99" N	76° 16' 47.98" W
86852 - 95-046-01) W 1H	Drilling	(05-046-01) 41° 54' 38.15" N	76° 10' 59.2" W
86953 - 3-049-01) D 1H	Drilling	(03-049-01) 41° 57′ 7.07" N	76° 51' 6.76" W
86154 - 3-040-03) B 3H	Drilling	(03-040-03) 41° 54' 8.68" N	76° 51' 20.54" W
84356 - (01-003-01) J 1H	Production	(01-003-01) 41° 43' 29.561" N	76° 47' 0.017" W
84358 - (01-007-01) T2H	Production	(01-007-01) 41° 43' 28.2" N	76° 48' 20.72" W
84359 - MAS (01-001-01) FT1H	Production	(01-001-01) 41° 43' 26.96" N	76° 48' 41.34" W
84360 - S (01-002-01) FT2H	Production	(01-002-01) 41° 43' 28.43" N	76° 49' 11.32" W
84778 - The (01-004-01) M 1H	Production	(01-004-01) 41° 43' 5.28" N	76° 51' 20.68" W

	84830 -	(01-008-01) R2H	Production	(01-008-01)	41° 44' 49,14" N	76° 48' 47.62" W	
	85117 -	EN D 1H (01-026-01)	Production		41° 44' 5.78" N	76° 47' 33.98" W	
	85125 -	(01-004-02) M 3H	Production		41° 43' 5.57" N	76° 51' 20.41" W	
	85163 -	(01-012-01) A1H	Production		41° 43' 44.55" N	76° 50' 12.41" W	
	85165 -	(01-012-02) A2H	Production		41° 43′ 44.59" N	76° 50' 12.08" W	
	85166 -	D 2H (01-026-02)	Production		41° 44' 5.8" N	76° 47' 34.31" W	
	85167 -	(01-027-01) D 3H	Production		41° 44' 5.82" N	76° 47' 34.64" W	
	85168 -	1-038-01) FT3H	Production		41° 43' 18.4" N	76° 49' 31.8" W	
	85169 -	1-038-02) FT4H	Production		41° 43' 18.43" N	76° 49' 31.28" W	
	85170 -	TS (01-044-02) L 2H	Production		41° 45' 46.22" N	76° 48' 8" W	
	85171 -	S (01-044-01) L 1H	Production		41° 45′ 46.25″ N	76° 48' 7.67" W	
	85172 -	(01-005-02) R3H	Production	and the second s	41° 44' 49.09" N	76° 48' 47.3" W	
	85182 -	B 1H (01-025-01)	Production		41° 46' 24.76" N	76° 48' 12.08" W	
	85183 -	B 2H (01-025-02)	Production	The second secon	41° 46' 24.79" N	76° 48' 11.75" W	
	85184	B 4H (01-070-02)	Production	If the contract of the contrac	41° 46' 24.9" N	76° 48' 10.11" W	
	85185 -	B 3H (01-070-01)	Production	(01-070-01)	41° 46' 24.88" N	76° 48' 10.44" W	
9	85220 -	01-041-01) R 1H	Production		41° 44' 56.56" N	76° 48' 23.76" W	
-	85222 -	(01-005-01) R1H	Production		41° 44' 49.20" N	76° 48' 47.94" W	
	85232 -	R 1H (01-014-01)	Production	(01-014-01)	41° 45' 1.13" N	76° 51' 0.36" W	
	85248	1H (01-006-01)	Production	the second secon	41° 43' 57.46" N	76° 49' 6.18" W	
	85249 -	2H (01-006-02)	Production		41° 43' 57.46" N	76° 49' 4.7" W	
	85250	3H (01-006-03)	Production		41° 43' 57.46" N	76° 49' 4.37" W	
	85251 -	(01-006-04)	Production	the second secon	41° 43' 57,45" N	76° 49' 4.04" W	
	85252 -	TWL ASSOCIATES (01-016-02) 2H	Production	(01-016-02)	41° 46' 13.76" N	76° 50' 26.88" W	
	85253 -	TWL ASSOCIATES (01-016-01) 1H	Production	(01-016-01)	41° 46' 13.04" N	76° 50' 25.31" W	
	85254 -	TWL ASSOCIATES (01-016-03) 3H	Production	The second second	41° 46' 13.75" N	76° 50' 26.55" W	
	85255 -	TWL ASSOCIATES (01-016-04) 4H	Production		41° 46' 13.74" N	76° 50' 26" W	
	85256	4H (01-043-01)	Production		41° 44' 45.46" N	76° 47' 12.08" W	
	85257	5H (01-043-02)	Production		41° 44' 45.26" N	76° 47' 11.88" W	
	85258 -	D 6H (01-013-01)	Production		41° 44' 45.07" N	76° 47' 11.68" W	
	85259 -	D 7H (01-013-02)	Production	(01-013-02)	41° 44' 44.87" N	76° 47' 11,48" W	
	85260 -	D 8H (01-013-03)	Production	(01-013-03)	41° 44' 44.67" N	76° 47' 11.27" W	
	85278 -	FI=017-05) G 5H	Production	(01-017-05)	41° 41' 41,32" N	76° 50' 34.8" W	
	85349 -	01-041-02) R 3H	Production	(01-041-02)	41° 44' 56.24" N	76° 48' 23.1" W	
	85350 -	01-042-01) R 2H	Production	(01-042-01)	41° 44' 56,55" N	76° 48' 23.43" W	
	85377 -	5 (01-004-03) M 5H	Production	(01-004-03)	41° 43' 5.68" N	76° 51' 20.11" W	
	85440	91-014-03) R 3H	Production	(01-014-03)	41° 45' 1.16" N	76° 51' 1.68" W	

85441 - (01-014-04) R 4H	Production	(01-014-04) 41° 45' 1.17" N	76° 51' 2.34" W
85454 - (01-014-02) R 2H	Production	(01-014-02) 41° 45' 1.14" N	76° 51' 1.03" W
85477 - FEI DCNR 587 (02-001-04)	Production	(02-001-04) 41° 42' 6.54" N	76° 58' 21.07" W
85478 - FEI DCNR 587 (02-001-06)	Production	(02-001-06) 41° 42′ 6.63" N	76° 58' 20.42" W
85479 - FEI DCNR 587 (02-001-05)	Production	(02-001-05) 41° 42' 6.58" N	76° 58' 20.75" W
85482 - FEI DCNR 587 (02-017-01)	Production	(02-017-01) 41° 42' 37.54" N	76° 59' 9.63" W
85483 - FEI DCNR 587 (02-017-02)	Production	(02-017-02) 41° 42' 37.57" N	76° 59' 9.3" W
85484 - FEI DCNR 587 (02-017-03)	Production	(02-017-03), 41° 42' 37.61" N	76° 59' 8.98" W
85485 - FEI DCNR 587 (02-017-04)	Production	(02-017-04) 41° 42' 37.65" N	76° 59' 8.65" W
85492 - FEI DCNR 587 (02-004-06)	Production	(02-004-06) 41° 42' 19.16" N	76° 59' 31.02" W
85494 - FEI DCNR 587 (02-004-02)	Production	(02-004-02) 41° 42' 19.35" N	76° 59' 30.41" W
85525 - N D 9H (01-043-03)	Production	(01-043-03) 41° 44' 44.28" N	76° 47' 10.88" W
85528 - FEI DCNR 587 (02-002-04)	Production	(02-002-04) 41° 41' 52.91" N	76° 57' 54.76" W
85529 - FEI DCNR 587 (02-002-03)	Production	(02-002-03) 41° 41' 53.01" N	76° 57' 54.12" W
85530 - (01-042-02) R 4H	Production	(01-042-02) 41° 41' 56.54" N	76° 48' 23,1" W
85531 - (01-042-03) R 6H	Production	(01-042-03) 41° 44' 56,51" N	76° 48' 22.44" W
85532 - (01-041-03) R 5H	Production	(01-041-03) 41° 44' 56.52" N	76° 48' 22.77" W
85536 - FEI DCNR 587 (02-009-01)	Production	(02-009-01) 41° 40' 22.49" N	76° 58' 10.73" W
85537 - FEI DCNR 587 (02-009-02)	Production	(02-009-02) 41° 40' 22,46" N	76° 58' 11.06" W
85538 - FEI DCNR 587 (02-009-03)	Production	(02-009-03) 41° 40' 22,44" N	76° 58' 11.39" W
85539 - FEI DCNR 587 (02-009-04)	Production	(02-009-04) 41° 40' 21.41" N	76° 58' 11.74" W
85540 - FEI DCNR 587 (02-009-05)	Production	(02-009-05) 41° 40' 21.44" N	76° 58' 11.41" W
85541 - FEI DCNR 587 (02-009-06)	Production	(02-009-06) 41° 40' 21.46" N	76° 58' 11.09" W
85548 - 1015-015-01) T 3H	Production	(01-015-01) 41° 43' 22.68" N	76° 47' 57.72" W
85549 - 01-015-02) T 4H	Production	(01-015-02) 41° 43' 22.61" N	76° 47' 58.04" W
85550 - 31-015-03) T 5H	Production	' (01-015-03) 41° 43' 22.54" N	76° 47' 58.35" W
85577 - DCNR 587 (02-018-01) 1H	Production	(02-018-01) 41° 41' 34.3" N	76° 58' 53.22" W
85578 - DCNR 587 (02-018-02) 2H	Production	(02-018-02) 41° 41' 34,35" N	76° 58' 52.9" W
85579 - DCNR 587 (02-018-03) 3H	Production	(02-018-03) 41° 41' 34,4" N	76° 58' 52,57" W
85580 - DCNR 587 (02-018-04) 4H	Production	(02-018-04) 41° 41' 35.95" N	76° 58' 52.29" W
85581 - DCNR 587 (02-018-05) 5H	Production	(02-018-05) 41° 41' 35.9" N	76° 58' 52.62" W
85583 - DCNR 587 (02-018-06) 6H	Production	(02-018-06) 41° 41' 35,85" N	76° 58' 52.94" W
85596 - DCNR 587 (02-008-03) 3H	Production	(02-008-03) 41° 40' 32.12" N	76° 58' 42.05" W
85597 - DCNR 587 (02-008-04) 4H	Production	(02-008-04) 41° 40' 31.12" N	76° 58' 41.64" W
85598 - DCNR 587 (02-008-05) 5H	Production	(02-008-05) 41° 40' 31.13" N	76° 58' 41.97" W
85599 - DCNR 587 (02-008-06) 6H	Production	(02-008-06) 41° 40' 31.15" N	76° 58' 42.3" W
85600 - DCNR 587 (02-013-01) 1H	Production	(02-013-01) 41° 40' 55.96" N	76° 57' 30.96" W

85601 - DCNR	587 (02-013-02) 2H	Production	(02 042 02) 448 401 55 22% 14	700 571 00 00
	587 (02-013-02) 2H	Production	(02-013-02) 41° 40′ 55.96" N (02-013-03) 41° 40′ 55.93" N	76° 57' 30.96" W
	587 (02-013-04) 4H	Production	(02-013-04) 41° 40′ 55.93″ N	76° 57' 31.29" W
	587 (02-014-01) 1H	Production	(02-014-01) 41° 40′ 56.92″ N	76° 57' 31.62" W
	587 (02-014-02) 2H	Production	(02-014-01) 41° 40′ 56.88″ N	76° 57' 55.39" W
	587 (02-014-03) 3H	Production	(02-014-03) 41° 40′ 56.83″ N	76° 57' 55.71" W
85623	(03-009-05) L 5H	Production	(03-009-05) 41° 50′ 12.72" N	76° 57' 56.03" W
85624 -	(03-009-06) L 6H	Production		76° 53' 34.32" W
85625 -	(03-009-07) L 7H	Production	(03-009-06) 41° 50' 12.79" N	76° 53' 34" W
85626 -	(03-009-08) L 8H	Production	(03-009-07) 41° 50' 12.85" N	76° 53' 33.68" W
85627 -	(03-008-01) G 1H	Production	(03-009-08) 41° 50′ 12.92″ N	76° 53' 33.36" W
85628 -	13 (03-008-02) G 2H	Production	(03-008-01) 41° 52′ 55.53″ N	76° 51' 55.53" W
85629 -	(03-008-02) G 2H		(03-008-02) 41° 52′ 46.3″ N	76° 51' 55.86" W
85630 -	3 (03-008-04) G 4H	Production Production	(03-008-03) 41° 52′ 46.29″ N	76° 51' 56.19" W
85631 - "	(03-008-05) G 5H		(03-008-04) 41° 52′ 46.29″ N	76° 51' 56.52" W
85632 -	(03-008-06) G 5H	Production	(03-008-05) 41° 52' 55.27" N	76° 51′ 55.27" W
85633 -	R (03-008-07) G 7H	Production	(03-008-06) 41° 52' 45.05" N	76° 51' 55.6" W
85634 -		Production	(03-008-07) 41° 52′ 45.04″ N	76° 51' 55.93" W
	R (03-008-08) G 8H	Production	(03-008-08) 41° 52′ 45.04" N	76° 51′ 56.26" W
85635 -	913-01) W 1H	Production	(03-013-01) 41° 51' 42.99" N	76° 50' 51.78" W
85636 -	913-02) W 2H	Production	(03-013-02) 41° 51′ 42.93″ N	76° 50' 51.46" W
85637 -	13-03) W 3H	Production	(03-013-03) 41° 51′ 42.88" N	76° 50' 51.14" W
85638 -	913-04) W 4H	Production	(03-013-04) 41° 51′ 42.82″ N	76° 50' 50.81" W
85639 -	913-05) W 5H	Production	(03-013-05) 41° 51' 41.75" N	76° 50' 51.93" W
85640 -	013-06) W 6H	Production	(03-013-06) 41° 51' 41.69" N	76° 50' 51.61" W
85641 -	913-07) W 7H	Production	(03-013-07) 41° 51' 41.63" N	76° 50' 51.29" W
85642 -	013-08) W 8H	Production	(03-013-08) 41° 51' 41.58" N	76° 50' 50.97" W
85648 -	M (03-004-01) R 1H	Production	(03-004-01) 41° 51' 27.66" N	76° 50' 4.12" W
85649 -	M (03-004-02) R 2H	Production	(03-004-02) 41° 51′ 27.68" N	76° 50' 3.79" W
85650 -	M (03-004-03) R 3H	Production	(03-004-03) 41° 51' 27.7" N	76° 50' 3.46" W
85651 -	M (03-004-04) R 4H	Production	(03-004-04) 41° 51' 27.71" N	76° 50' 3.13" W
85652 -	(03-004-05) R 5H	Production	(03-004-05) 41° 51' 26.46" N	76° 50' 4.64" W
85656 -	3-001-02) E 2H	Production	(03-001-02) 41° 50' 20.58" N	76° 50' 46.55" W
85657 -	(03-001-03) E 3H	Production	(03-001-03) 41° 50' 20.56" N	76° 50′ 46.88″ W
85658 -	03-001-04) E 4H	Production	(03-001-04) 41° 50' 20.55" N	76° 50′ 47.21" W
85665 -	(01-024-03) L 8H	Production	(01-024-03) 41° 45′ 43.72″ N	76° 48' 32.39" W
85666 -	(01-024-04) L 9H	Production	(01-024-04) 41° 45′ 43.63″ N	76° 48' 32.7" W
85667 -	01-047-01) J 1H	Production	(01-047-01) 41° 44' 58.21" N	76° 50' 0.27" W

85668 - 4	1-047-02) J 2H	Production	(01-047-02) 41° 44' 58.27" N	76° 49' 59.94" \
85669 -	-047-03) J 3H	Production	(01-047-03) 41° 44' 58.33" N	76° 49' 59,63" V
85670 -	-047-04) J 4H	Production	(01-047-04) 41° 44' 58.71" N	76° 50' 0.27" W
85671 -	-047-05) J 5H	Production	(01-047-05) 41° 44' 58.77" N	76° 49' 59.95" \
85672 -	-047-06) J 6H	Production	(01-047-06) 41° 44' 58.83" N	76° 49' 59.63" \
85691 - 1	01-074-01) W 1H	Production	(01-074-01) 41° 46' 9.87" N	76° 51' 35.68" \
85693 -	1-074-02) W 2H	Production	(01-074-02) 41° 46' 9.89" N	76° 51' 35.35" \
85694 - 6	1-074-03) W 3H	Production	(01-074-03) 41° 46' 9.91" N	76° 51' 35.02" \
85695 -	01-074-04) W 4H	Production	(01-074-04) 41° 46' 9.92" N	76° 51' 34.69" \
85700 -	(01-071-01) D 1H	Production	(01-071-01) 41° 45' 55.06" N	76° 48' 48.6" W
85701 -	(01-071-02) D 2H	Production	(01-071-02) 41° 45' 55.06" N	76° 48' 48.6" W
85702 -	(01-071-03) D 3H	Production	(01-071-03) 41° 45' 55.4" N	76° 48' 47.79" \
85725 - HARY	VEST HOLDINGS (01-036-01) 1H	Production	(01-036-01) 41° 41′ 23.83" N	76° 51' 9.7" W
85726 - HARY	VEST HOLDINGS (01-036-03) 3H	Production	(01-036-03) 41° 41' 24.51" N	76° 51' 9.56" W
85729 - HARY	VEST HOLDINGS (01-036-02) 2H	Production	(01-036-02) 41° 41' 24.17" N	76° 51' 9.63" W
85730 - HARY	VEST HOLDINGS (01-036-04) 4H	Production	(01-036-04) 41° 41' 24.85" N	76° 51' 9.49" W
85733 -	(01-077-01) L 1H	Production	(01-077-01) 41° 45' 0.33" N	76° 50' 19.62" \
85735 -	(01-077-05) L 5H	Production	(01-077-05) 41° 45' 0.92" N	76° 50' 19.07" \
85736 - 3	(01-077-02) L 2H	Production	(01-077-02) 41° 45' 0.4" N	76° 50' 19.16" \
85737 -	(01-077-04) L 4H	Production	(01-077-04) 41° 45' 0.85" N	76° 50' 19.52" \
85738 -	(01-077-06) L 6H	Production	(01-077-06) 41° 45' 0.99" N	76° 50' 18.62" \
85744 - FEI D	CNR 587 (02-002-01)	Production	(02-002-01) 41° 41' 53.05" N	76° 57' 53.79" \
85745 - FEI D	CNR 587 (02-002-02)	Production	(02-002-02) 41° 41' 53.01" N	76° 57' 54.12" \
85747 -	(01-038-03) FT5H	Production	(01-038-03) 41° 43' 18.55" N	76° 49' 31.54" \
85751 -	01-038-05) FT7H	Production	(01-038-05) 41° 43' 18.26" N	76° 49' 32.07" \
85784 -	01-076-01) L 7H	Production	(01-076-01) 41° 45' 21.26" N	76° 49' 36.81" \
85785 -	01-076-03) L 9H	Production	(01-076-03) 41° 45' 21.59" N	76° 49' 36.32" \
85786 -	01-076-05) L 11H	Production	(01-076-05) 41° 45' 21.71" N	76° 49' 37.13" \
85787 -	01-076-07) L 13H	Production	(01-076-07) 41° 45' 22.04" N	76° 49' 36.65" \
85788 -	01-076-02) L 8H	Production	(01-076-02) 41° 45' 21.42" N	76° 49' 36.57" \
85789 -	01-076-04) L 10H	Production	(01-076-04) 41° 45' 21.76" N	76° 49' 36.08" \
85790 -	01-076-06) L 12H	Production	(01-076-06) 41° 45' 21.87" N	76° 49' 36.89" \
85845 -	01-017-06) G 6H	Production	(01-017-06) 41° 41' 40.65" N	76° 50' 33.81" \
85846 -	01-017-07) G 7H	Production	(01-017-07) 41° 41' 40.94" N	76° 50' 33.55" \
85847 -	01-017-08) G 8H	Production	(01-017-08) 41° 41' 41.23" N	76° 50' 33.29" \
85867	015-01) J 1H	Production	(03-015-01) 41° 52' 36.11" N	76° 52' 44.04" \
85868 -	015-02) J 2H	Production	(03-015-02) 41° 52' 36.36" N	76° 52' 43.82" \



Production	(03-015-03)	41° 52' 36.6" N	76° 52' 43.59" W
Production	(03-015-04)	41° 52' 36.84" N	76° 52' 43.37" W
Production	(03-045-01)	41° 48' 55.35" N	76° 49' 52.09" W
Production	(03-045-02)	41° 48' 55.6" N	76° 49' 52.05" W
Production	LUTZ	41° 43' 43.53" N	76° 49' 4.86" W
Stopped Duri	ng (01-044-03)	41° 45' 46.18" N	76° 48' 8.32" W
Stopped Duri	n; (01-024-02)	41° 45' 43.82" N	76° 48' 32.09" W
Stopped Duri	ng (01-024-01)	41° 45' 43.92" N	76° 48' 31.78" W
Completion	(02-006-01)	41° 41' 15.13" N	76° 59' 42.66" W

API#	Well Name	Status	Wellcode	Lat	Long
37-015-20596-00	01 032 05 G 5H OG WELL	Permitted	(01-032-05)	41° 42' 39.98" N	76° 50' 18.35" W
37-015-20597-00	01 032 06 G 6H OG WELL	Permitted	(01-032-06)	41° 42' 40.22" N	76° 50' 18.29" W
37-015-20599-00	01 032 08 G 8H OG WELL	Permitted	(01-032-08)	41° 42' 40.70" N	76° 50' 18.17" W
37-015-20598-00	01 032 07 G 7H OG WELL	Permitted	(01-032-07)	41° 42' 40.46" N	76° 50' 18.23" W
37-015-20874-00	01 002 02 FT 8H OG WELL	Permitted	(01-002-02)	41° 43′ 28.71″ N	76° 49' 11.69" W
37-015-20950-00	01 075 01 L 1H OG WELL	Permitted	(01-075-01)	41° 41′ 49.84″ N	76° 44' 50.75" W
37-015-20947-00	01 075 02 L 2H OG WELL	Permitted	(01-075-02)	41° 41' 50.19" N	76° 44' 50.78" W
37-015-20972-00	03 051 01 B 1H OG WELL	Permitted	(03-051-01)	41° 52' 18.82" N	76° 48' 8.97" W
37-015-20973-00	03 051 02 B 2H OG WELL	Permitted	(03-051-02)	41° 52' 19.04" N	76° 48' 8.81" W
37-015-20974-00	03 051 03 B 3H OG WELL	Permitted	(03-051-03)	41° 52' 19.25" N	76° 48' 8.64" W
37-015-20975-00	03 051 04 B 4H OG WELL	Permitted	(03-051-04)	41° 52' 19.47" N	76° 48' 8.48" W
37-015-20976-00	03 051 05 B 5H OG WELL	Permitted	(03-051-05)	41° 52' 18.25" N	76° 48′ 7.88″ W
37-015-20977-00	03 051 06 B 6H OG WELL	Permitted	(03-051-06)	41° 52' 18.46" N	76° 48' 7.72" W
37-015-20978-00	03 051 07 B 7H OG WELL	Permitted	(03-051-07)	41° 52' 18.68" N	76° 48' 7.56" W
37-015-20979-00	N 03 051 08 B 8H OG WELL	Permitted	(03-051-08)	41° 52' 18.89" N	76° 48' 7.39" W
37-015-20615-00	01 077 03 L 3H OG WELL	Permitted	(01-077-03)	41° 45' 0.47" N	76° 50' 18.71" W
37-015-20658-00	03 015 05 J 5H OG WELL	Permitted	(03-015-05)	41° 52' 36.44" N	76° 52' 42.94" W
37-015-20659-00	03 015 06 J 6H OG WELL	Permitted	(03-015-06)	41° 52' 36.20" N	76° 52' 43.16" W
37-015-20660-00	03 015 07 J 7H OG WELL	Permitted	(03-015-07)	41° 52' 35.95" N	76° 52' 43.39" W
37-015-20669-00	03 036 01 J 1H OG WELL	Permitted	(03-036-01)	41° 57' 1.45" N	76° 53' 58.88" W
37-015-20671-00	03 036 03 J 3H OG WELL	Permitted	(03-036-03)	41° 57' 1.52" N	76° 53' 57.96" W
37-015-20672-00	03 036 04 J 4H OG WELL	Permitted	(03-036-04)	41° 57' 1.56" N	76° 53' 57.50" W
37-015-20744-00	03 035 03 D 3H OG WELL	Permitted	(03-035-03)	41° 54' 49.89" N	76° 53' 26.10" W
37-015-20745-00	03 035 04 D 4H OG WELL	Permitted	(03-035-04)	41° 54' 49.96" N	76° 53' 25.72" W
37-015-20746-00	03 035 05 D 5H OG WELL	Permitted	(03-035-05)	41° 54' 50.86" N	76° 53' 26.75" W
37-015-20747-00	03 035 06 D 6H OG WELL	Permitted	(03-035-06)	41° 54' 50.80" N	76° 53' 27,07" W
37-015-20748-00	03 035 07 D 7H OG WELL	Permitted	(03-035-07)	41° 54' 50.73" N	76° 53' 27.39" W
37-015-20749-00	03 035 08 D 8H OG WELL	Permitted	(03-035-08)	41° 54' 50.67" N	76° 53' 27.71" W
37-015-20955-00	01 082 01 S 1H OG WELL	Permitted	(01-082-01)	41° 40' 49.45" N	76° 46' 48.45" W
37-015-20956-00	01 082 02 S 2H OG WELL	Permitted	(01-082-02)	41° 40' 49.44" N	76° 46' 48.92" W
37-015-20957-00	01 082 03 S 3H OG WELL	Permitted	(01-082-03)	41° 40' 49.42" N	76° 46' 49.38" W
37-015-21055-00	01 066 02 J 2H OG WELL	Permitted	(01-066-02)	41° 42' 9.22" N	76° 48' 20.37" W

37-015-21056-00	I 01 066 03 J 3H OG WELL	Permitted	(01-066-03)	41° 42' 9.19" N	76° 48' 20.70" W
37-015-21053-00	01 066 04 J 4H OG WELL	Permitted	(01-066-04)	41° 42' 9.15" N	76° 48' 21.03" W
37-015-20592-00	01 032 01 G 1H OG WELL	Permitted	(01-032-01)	41° 42′ 39.70" N	76° 50' 17.75" W
37-015-20743-00	03 035 02 D 2H OG WELL	Permitted	(03-035-02)	41° 54' 49.81" N	76° 53' 26.48" W
37-117-20197-00	1 OG WELL	Permitted		41° 59' 2.88" N	77° 1' 34.79" W
37-117-20330-00	264 1H OG WELL	Permitted		41° 59' 28.22" N	76° 57' 22.96" W
37-015-20524-00	03 009 01 L 1H OG WELL	Permitted	(03-009-01)	41° 50' 13.87" N	76° 53' 34.96" W
37-015-20525-00	03 009 02 L 2H OG WELL	Permitted	(03-009-02)	41° 50′ 13.94" N	76° 53' 34.64" W
37-015-20526-00	03 009 03 L 3H OG WELL	Permitted	(03-009-03)	41° 50' 14.00" N	76° 53' 34,32" W
37-015-20527-00	03 009 04 L 4H OG WELL	Permitted	(03-009-04)	41° 50' 14.07" N	76° 53' 34.00" W
37-117-20391-00	410 5H OG WELL	Permitted		41° 57' 8.48" N	76° 57' 14.66" W
37-117-20327-00	404 1H OG WELL	Permitted		41° 56' 10.34" N	77° 1' 9.88" W
37-015-20433-00	03 002 01 R 1H OG WELL	Permitted	(03-002-01)	41° 50' 28.59" N	76° 49' 30.64" W
37-015-20434-00	03 002 02 R 2H OG WELL	Permitted	(03-002-02)	41° 50' 28.50" N	76° 49' 30.33" W
37-015-20435-00	03 002 03 R 3H OG WELL	Permitted	(03-002-03)	41° 50′ 28.40″ N	76° 49' 30.03" W
37-015-20465-00	03 002 04 R 4H OG WELL	Permitted	(03-002-04)	41° 50' 28.99" N	76° 49' 30.20" W
37-015-20466-00	03 002 05 R 5H OG WELL	Permitted	(03-002-05)	41° 50′ 28.90″ N	76° 49' 29.89" W
37-015-20532-00	03 010 01 J 1H OG WELL	Permitted	(03-010-01)	41° 50' 46.06" N	76° 52' 19.66" W
37-015-20533-00	03 010 02 J 2H OG WELL	Permitted	(03-010-02)	41° 50' 46.13" N	76° 52' 19.34" W
37-015-20534-00	03 010 03 J 3H OG WELL	Permitted	(03-010-03)	41° 50' 46.20" N	76° 52' 19.03" W
37-015-20535-00	03 010 04 J 4H OG WELL	Permitted	(03-010-04)	41° 50' 46.27" N	76° 52' 18.71" W
37-015-20536-00	03 010 05 J 5H OG WELL	Permitted	(03-010-05)	41° 50' 44.92" N	76° 52' 18.98" W
37-015-20537-00	03 010 06 J 6H OG WELL	Permitted	(03-010-06)	41° 50' 44.99" N	76° 52' 18.66" W
37-015-20538-00	03 010 07 J 7H OG WELL	Permitted	(03-010-07)	41° 50' 45.06" N	76° 52' 18.34" W
37-015-20539-00	03 010 08 J 8H OG WELL	Permitted	(03-010-08)	41° 50' 45.13" N	76° 52' 18.03" W
37-117-20325-00	408 1H OG WELL	Permitted		41° 56' 49.28" N	76° 58' 38.16" W
37-117-20324-00	406 1H OG WELL	Permitted		41° 55' 53.24" N	76° 59' 34.64" W
37-117-20328-00	402 1H OG WELL	Permitted		41° 55' 47.71" N	77° 2' 28.74" W
37-117-20285-00	DCNR 587 02 001 01 1H OG WELL	Permitted	(02-001-01)	41° 42' 7.27" N	76° 58' 21.24" W
37-117-20286-00	DCNR 587 02 001 02 2H OG WELL	Permitted	(02-001-02)	41° 42' 7.31" N	76° 58' 20.91" W
37-117-20287-00	DCNR 587 02 001 03 3H OG WELL	Permitted	(02-001-03)	41° 42' 7.36" N	76° 58' 20.59" W
37-117-20448-00	DCNR 587 02 006 02 OG WELL	Permitted	(02-006-02)	41° 41' 15.27" N	76° 59' 43.09" W
37-117-20449-00	DCNR 587 02 006 03 OG WELL	Permitted	(02-006-03)	41° 41' 15.41" N	76° 59' 43.51" W
37-117-20369-00	DCNR 587 02 008 01 OG WELL	Permitted	(02-008-01)	41° 40' 32.09" N	76° 58' 41.39" W
37-117-20370-00	DCNR 587 02 008 02 OG WELL	Permitted	(02-008-02)	41° 40' 32.11" N	76° 58' 41.72" W

37-117-20419-00	DCNR 587 02 014 04 OG WELL	Permitted	(02-014-04)	41° 40' 56.79" N	76° 57' 56.36" W
37-117-20418-00	DCNR 587 02 014 05 OG WELL	Permitted	(02-014-05)	41° 40' 55.92" N	76° 57' 55.32" W
37-117-20420-00	DCNR 587 02 014 06 OG WELL	Permitted	(02-014-06)	41° 40' 55.88" N	76° 57' 55.64" W
37-117-20421-00	DCNR 587 02 014 07 OG WELL	Permitted	(02-014-07)	41° 40' 55.84" N	76° 57' 55.97" W
37-015-20545-00	01 023 01 R 1H OG WELL	Permitted	(01-023-01)	41° 41' 42.04" N	76° 46' 44.72" W
37-015-20546-00	01 023 02 R 2H OG WELL	Permitted	(01-023-02)	41° 41' 42.01" N	76° 46' 44.26" W
37-015-20547-00	01 023 03 R 3H OG WELL	Permitted	(01-023-03)	41° 41' 41.98" N	76° 46′ 43.80" W
37-015-20548-00	01 023 04 R 4H OG WELL	Permitted	(01-023-04)	41° 41' 41.96" N	76° 46' 43.34" W
37-015-20549-00	01 023 05 R 5H OG WELL	Permitted	(01-023-05)	41° 41' 43.01" N	76° 46' 44.39" W
37-015-20550-00	01 023 06 R 6H OG WELL	Permitted	(01-023-06)	41° 41' 42.98" N	76° 46' 43.93" W
37-015-20551-00	01 023 07 R 7H OG WELL	Permitted	(01-023-07)	41° 41' 42.96" N	76° 46' 43.47" W
37-015-20166-00	M 2H OG WELL	Permitted		41° 43' 5.54" N	76° 51' 20.5" W
37-015-20512-00	01 017 01 G 1H OG WELL	Permitted	(01-017-01)	41° 41' 40.23" N	76° 50' 33.39" W
37-015-20513-00	01 017 02 G 2H OG WELL	Permitted	(01-017-02)	41° 41' 40.52" N	76° 50' 33.13" W
37-015-20514-00	01 017 03 G 3H OG WELL	Permitted	(01-017-03)	41° 41' 40.80" N	76° 50' 32.87" W
37-015-20515-00	01 017 04 G 4H OG WELL	Permitted	(01-017-04)	41° 41' 41.09" N	76° 50' 32.62" W
37-117-20304-00	1 OG WELL	Permitted		41° 59' 16.66" N	77° 3' 5.68" W
37-117-20297-00	L 261 1H OG WELL	Permitted		41° 59' 18.32" N	76° 59' 26.85" W
37-117-20406-00	261 2H OG WELL	Permitted		41° 59' 18.32" N	76° 59' 27.05" W
37-117-20407-00	261 3H OG WELL	Permitted		41° 59' 18.32" N	76° 59' 26.66" W
37-117-20408-00	261 4H OG WELL	Permitted		41° 59' 18.17" N	76° 59' 26.86" W
37-117-20409-00	261 5H OG WELL	Permitted		41° 59' 18.17" N	76° 59' 27.05" W
37-117-20410-00	261 6H OG WELL	Permitted		41° 59' 18.17" N	76° 59' 26.66" W
37-117-20296-00	271 1H OG WELL	Permitted		41° 57' 48.51" N	77° 0' 0.22" W
37-015-20390-00	01 44 04 L 4H OG WELL	Permitted		41° 45' 46.14" N	76° 48' 8.65" W
37-015-20391-00	01 44 05 L 5H OG WELL	Permitted		41° 45' 46.10" N	76° 48' 8.97" W
37-015-20584-00	01 073 01 K 1H OG WELL	Permitted	(01-073-01)	41° 46' 26.28" N	76° 52' 24.30" W
37-015-20585-00	01 073 02 K 2H OG WELL	Permitted	(01-073-02)	41° 46' 26.23" N	76° 52' 24.63" W
37-015-20586-00	01 073 03 K 3H OG WELL	Permitted	(01-073-03)	41° 46' 26.19" N	76° 52' 24.95" W
37-015-20587-00	01 073 04 K 4H OG WELL	Permitted	(01-073-04)	41° 46' 26.14" N	76° 52' 25.28" W

37-015-20588-00	01 073 05 K 5H OG WELL	Permitted	(01-073-05)	41° 46' 25.39" N	76° 52' 25.25" \
37-015-20589-00	01 073 06 K 6H OG WELL	Permitted	(01-073-06)	41° 46' 25.44" N	76° 52' 24.93" \
37-015-20590-00	01 073 07 K 7H OG WELL	Permitted	(01-073-07)	41° 46' 25.48" N	76° 52' 24.61"
37-015-20591-00	01 073 08 K 8H OG WELL	Permitted	(01-073-08)	41° 46' 25.53" N	76° 52' 24.28"
37-015-20577-00	01 074 05 W 5H OG WELL	Permitted	(01-074-05)	41° 46' 10.84" N	76° 51' 36.02"
37-015-20578-00	01 074 06 W 6H OG WELL	Permitted	(01-074-06)	41° 46' 10.86" N	76° 51' 35.69"
37-015-20579-00	01 074 07 W 7H OG WELL	Permitted	(01-074-07)	41° 46′ 10.88″ N	76° 51' 35.36"
37-015-20580-00	01 074 08 W 8H OG WELL	Permitted	(01-074-08)	41° 46' 10.89" N	76° 51' 35.03"
37-117-20298-00	259 1H OG WELL	Permitted		41° 59' 18.09" N	77° 0' 54.64"
37-015-20565-00	03 006 01 A 1H OG WELL	Permitted	(03-006-01)	41° 49' 16.45" N	76° 52' 29.29"
37-015-20566-00	03 006 02 A 2H OG WELL	Permitted	(03-006-02)	41° 49' 16.70" N	76° 52' 29.49"
37-015-20569-00	03 006 05 A 5H OG WELL	Permitted	(03-006-05)	41° 49′ 16.33″ N	76° 52' 29.96'
37-015-20570-00	03 006 06 A 6H OG WELL	Permitted	(03-006-06)	41° 49′ 16.58″ N	76° 52' 30.16'
37-015-20571-00	03 006 07 A 7H OG WELL	Permitted	(03-006-07)	41° 49' 16.84" N	76° 52' 30.36'
37-015-20572-00	03 006 08 A 8H OG WELL	Permitted	(03-006-08)	41° 49' 17.09" N	76° 52' 30.56'
37-117-20299-00	269 1H OG WELL	Permitted		41° 58' 6.17" N	77° 1' 34.38"
37-015-20468-00	03 004 06 R 6H OG WELL	Permitted	(03-004-06)	41° 51' 26.74" N	76° 50' 3.15"
37-015-20469-00	03 004 07 R 7H OG WELL	Permitted	(03-004-07)	41° 51' 26.76" N	76° 50' 2.82"
37-117-20301-00	268 1H OG WELL	Permitted	AL	41° 58' 0.06" N	77° 2' 17.74"
37-117-20295-00	262 1H OG WELL	Permitted		41° 59' 21.29" N	76° 58' 46.42'
37-015-20500-00	03 001 05 E 5H OG WELL	Permitted	(03-001-05)	41° 50' 19.43" N	76° 50' 46.28'
37-015-20501-00	03 001 06 E 6H OG WELL	Permitted	(03-001-06)	41° 50' 19.43" N	76° 50' 46.61'
37-015-20502-00	03 001 07 E 7H OG WELL	Permitted	(03-001-07)	41° 50' 19.42" N	76° 50' 46.94'
37-015-20503-00	03 001 08 E 8H OG WELL	Permitted	(03-001-08)	41° 50' 19.41" N	76° 50' 47.27'

37-015-20606-00	HARVEST HOLDINGS 01 036 05 5H OG WELL	Permitted	(01-036-05)	41° 41′ 24.08″ N	76° 51' 10.32" W
37-015-20607-00	HARVEST HOLDINGS 01 036 06 6H OG WELL	Permitted	(01-036-06)	41° 41' 24.42" N	76° 51' 10.25" W
37-015-20608-00	HARVEST HOLDINGS 01 036 07 7H OG WELL	Permitted	(01-036-07)	41° 41' 24.76" N	76° 51' 10.17" W
37-015-20609-00	HARVEST HOLDINGS 01 036 08 8H OG WELL	Permitted	(01-036-08)	41° 41' 25.10" N	76° 51' 17.43" W
37-015-20780-00	03 016 01 T 1H OG WELL	Permitted	(03-016-01)	41° 52' 50.87" N	76° 51' 10.10" W
37-015-20781-00	03 016 02 T 2H OG WELL	Permitted	(03-016-02)	41° 52' 50.86" N	76° 51' 16.97" W
37-015-20782-00	03 016 03 T 3H OG WELL	Permitted	(03-016-03)	41° 52' 50.85" N	76° 51' 16.50" W
37-015-20783-00	03 016 04 T 4H OG WELL	Permitted	(03-016-04)	41° 52' 50.84" N	76° 51' 16.04" W
37-015-20775-00	01 003 05 J 5H OG WELL	Permitted	(01-003-05)	41° 43' 29.34" N	76° 46' 59.21" W
37-015-20776-00	T 01 003 06 J 6H OG WELL	Permitted	(01-003-06)	41° 43' 29.35" N	76° 46' 59.54" W
37-015-20804-00	03 065 05 W 5H OG WELL	Permitted	(03-065-05)	41° 53' 55.42" N	76° 53' 42.06" W
37-015-20805-00	03 065 06 W 6H OG WELL	Permitted	(03-065-06)	41° 53' 55.39" N	76° 53' 42.52" W
37-015-20806-00	03 065 07 W 7H OG WELL	Permitted	(03-065-07)	41° 53' 55.35" N	76° 53' 42.98" W
37-015-20807-00	03 065 08 W 8H OG WELL	Permitted	(03-065-08)	41° 53' 55.32" N	76° 53' 43.44" W
37-015-20826-00	03 067 05 O 5H OG WELL	Permitted	(03-067-05)	41° 48' 59.97" N	76° 53' 42.47" W
37-015-20827-00	03 067 06 Q 6H OG WELL	Permitted	(03-067-06)	41° 48' 59.74" N	76° 53' 42.61" W
37-015-20828-00	03 067 07 O 7H OG WELL	Permitted	(03-067-07)	41° 48' 59.52" N	76° 53' 42.75" W
37-015-20829-00	03 067 08 O 8H OG WELL	Permitted	(03-067-08)	41° 48' 59.29" N	76° 53' 42.88" W
37-015-20831-00	03 058 01 M 1H OG WELL	Permitted	(03-058-01)	41° 58' 12.60" N	76° 53' 46.56" W
37-015-20832-00	03 058 02 M 2H OG WELL	Permitted	(03-058-02)	41° 58' 12.81" N	76° 53' 46.72" W
37-015-20833-00	03 058 03 M 3H OG WELL	Permitted	(03-058-03)	41° 58' 13.03" N	76° 53' 46.88" W
37-015-20834-00	03 058 04 M 4H OG WELL	Permitted	(03-058-04)	41° 58' 12.31" N	76° 53' 47.10" W
37-015-20835-00	03 058 05 M 5H OG WELL	Permitted	(03-058-05)	41° 58' 12.53" N	76° 53' 47.26" W
37-015-20875-00	01 002 03 FT 9H OG WELL	Permitted	(01-002-03)	41° 43' 28.50" N	76° 49' 11.85" W
37-015-20876-00	01 002 04 FT 10H OG WELL	Permitted	(01-002-04)	41° 43' 28.28" N	76° 49' 12.01" W
37-015-20877-00	01 002 05 FT 11H OG WELL	Permitted	(01-002-05)	41° 43' 28.06" N	76° 49' 12.16" W
37-015-20878-00	01 002 06 FT 12H OG WELL	Permitted	(01-002-06)	41° 43' 27.85" N	76° 49' 12.32" W
37-015-20891-00	03 039 01 J 1H OG WELL	Permitted	(03-039-01)	41° 54' 54.14" N	76° 50′ 11.62" W
37-015-20892-00	03 039 02 J 2H OG WELL	Permitted	(03-039-02)	41° 54' 54.22" N	76° 50' 11.31" W

37-015-20893-00	03 039 03 J 3H OG WELL	Permitted	(03-039-03)	41° 54′ 54.31″ N	76° 50' 10.99" W
37-015-20894-00	03 039 04 J 4H OG WELL	Permitted	(03-039-04)	41° 54' 54.39" N	76° 50' 10.68" W
37-015-20895-00	03 039 05 J 5H OG WELL	Permitted	(03-039-05)	41° 54' 55.11" N	76° 50' 11.93" W
37-015-20896-00	03 039 06 J 6H OG WELL	Permitted	(03-039-06)	41° 54' 55.19" N	76° 50' 11.62" W
37-015-20898-00	03 039 08 J 8H OG WELL	Permitted	(03-039-08)	41° 54' 55.35" N	76° 50' 11.00" W
37-015-20899-00	03 046 01 B 1H OG WELL	Permitted	(03-046-01)	41° 54' 15.68" N	76° 52' 0.24" W
37-015-20900-00	03 046 02 B 2H OG WELL	Permitted	(03-046-02)	41° 54' 15.70" N	76° 51' 59.91" W
37-015-20901-00	03 046 03 B 3H OG WELL	Permitted	(03-046-03)	41° 54' 15.72" N	76° 51' 59.58" W
37-015-20902-00	03 046 04 B 4H OG WELL	Permitted	(03-046-04)	41° 54' 15.74" N	76° 51' 59.25" W
37-015-20907-00	03 040 01 B 1H OG WELL	Permitted	(03-040-01)	41° 54' 8.49" N	76° 51' 21.16" W
37-015-20908-00	03 040 02 B 2H OG WELL	Permitted	(03-040-02)	41° 54' 8.58" N	76° 51' 20.85" W
37-015-20911-00	03 040 05 N 5H OG WELL	Permitted	(03-040-05)	41" 54' 9.45" N	76° 51" 21.52" W
37-015-20912-00	03 040 06 B 6H OG WELL	Permitted	(03-040-06)	41° 54' 9.54" N	76° 51' 21,21" W
37-015-20913-00	03 040 07 B 7H OG WELL	Permitted	(03-040-07)	41° 54' 9.63" N	76° 51' 20.90" W
37-015-20914-00	03 040 08 B 8H OG WELL	Permitted	(03-040-08)	41° 54' 9.72" N	76° 51' 20.60" W
37-015-20903-00	03 046 05 B 5H OG WELL	Permitted	(03-046-05)	41° 54' 14.69" N	76° 52' 0.27" W
37-015-20904-00	03 046 06 B 6H OG WELL	Permitted	(03-046-06)	41° 54' 14.71" N	76° 51' 59.94" W
37-015-20905-00	03 046 07 B 7H OG WELL	Permitted	(03-046-07)	41° 54' 14.73" N	76° 51' 59.61" W
37-015-20897-00	03 039 07 J 7H OG WELL	Permitted	(03-039-07)	41° 54' 55.27" N	76° 50' 11.31" W
37-015-21017-00	03 025 02 E 2H OG WELL	Permitted	(03-025-02)	41° 52′ 59.17″ N	76° 49' 11.19" W
37-015-21018-00	03 025 03 E 3H OG WELL	Permitted	(03-025-03)	41° 52′ 59.17" N	76° 49' 11.52" W
37-015-21019-00	03 025 04 E 4H OG WELL	Permitted	(03-025-04)	41° 52′ 59.16" N	76° 49' 11.85" W
37-015-21020-00	03 025 05 E 5H OG WELL	Permitted	(03-025-05)	41° 52' 58.18" N	76° 49' 10.72" W
37-015-21021-00	03 025 06 E 6H OG WELL	Permitted	(03-025-06)	41° 52' 58.18" N	76° 49' 11.05" W
37-015-21022-00	03 025 07 E 7H OG WELL	Permitted	(03-025-07)	41° 52' 58.18" N	76° 49' 11.38" W
37-015-21023-00	03 025 08 E 8H OG WELL	Permitted	(03-025-08)	41° 52' 58.18" N	76° 49' 11.71" W
37-117-20799-00	DCNR 587 02 016 01 OG WELL	Permitted	(02-016-01)	41° 42' 31.66" N	76° 57' 41.86" W
37-117-20800-00	DCNR 587 02 016 02 OG WELL	Permitted	(02-016-02)	41° 42' 31.60" N	76° 57' 42.25" W
37-117-20801-00	DCNR 587 02 016 03 OG WELL	Permitted	(02-016-03)	41° 42′ 31.55″ N	76° 57' 42.64" W
37-117-20824-00	DCNR 587 02 012 01 OG WELL	Permitted	(02-012-01)	41° 41' 3.26" N	76° 56' 48.53" W
37-117-20826-00	DCNR 587 02 012 03 OG WELL	Permitted	(02-012-03)	41° 41' 3.49" N	76° 56' 47.66" W
37-117-20827-00	DCNR 587 02 012 04 OG WELL	Permitted	(02-012-04)	41° 41′ 3.60″ N	76° 56' 47.23" W
37-117-20828-00	DCNR 587 02 012 05 OG WELL	Permitted	(02-012-05)	41° 41' 3.71" N	76° 56' 46.79" W
37-117-20825-00	DCNR 587 02 012 02 OG WELL	Permitted	(02-012-02)	41° 41' 3.37" N	76° 56' 48.10" W
37-015-21135-00	03 062 01 L 1H OG WELL	Permitted	(03-062-01)	41° 54' 20.97" N	76° 49' 58.28" W
37-015-21136-00	03 062 02 L 2H OG WELL	Permitted	(03-062-02)	41° 54' 20.87" N	76° 49' 58.58" W
37-015-21137-00	03 062 03 L 3H OG WELL	Permitted	(03-062-03)	41° 54' 20.77" N	76° 49' 58.88" W

37-015-21138-00	ROY 03 062 04 L 4H OG WELL	Permitted	(03-062-04)	41° 54' 20,67" N	76° 49¦ 59.18" W
37-015-21154-00	5 001 02 J 2H OG WELL	Permitted	(05-001-02)	41° 48' 59.66" N	76° 13' 24.60" W
37-015-21155-00	05 001 03 J 3H OG WELL	Permitted	(05-001-03)	41° 48' 59.69" N	76° 13' 24.14" W
37-015-21156-00	05 001 04 J 4H OG WELL	Permitted	(05-001-04)	41° 49' 0.56" N	76° 13' 25.59" W
37-015-21157-00	S 05 001 05 J 5H OG WELL	Permitted	(05-001-05)	41° 49' 0.59" N	76° 13′ 25.13" W
37-015-21158-00	s 05 001 06 J 6H OG WELL	Permitted	(05-001-06)	41° 49' 0.63" N	76° 13' 24.67" W
37-015-21168-00	05 003 01 C 1H OG WELL	Rermitted.	(05-003-01)	41° 48',3.12" N	76° 11' 22.80" W
37-015-21169-00	05:003:02 C 2H OG WELL	Permitted	(05-003-02)	41° 48' 4.12" N	'76° 11' 22.71" W
37-015-21170-00	05 003 03 C 3H OG WELL		(05-003-03)	41° 48' 4.18" N	76° 11' 23.03" W
37-015-21171-00	05 003 04 C 4H OG WELL	Rermitted	(05-003-04)	41° 48' 4.23" N	76° 11' 23.36" W
37-015-21172-00	05 003 05 C 5H OG WELL	Permitted	(05-003-05)	41° 48' 4.29" N	76° 11' 23.68". W
37-015-21173-00	05 003 06 C 6H OG WELL	Permitted	(05-003-06)	41° 48' 4:35"'N	76° 11' 24.00" W
37-015-21192-00	05 004 02 P 2H OG-WELL	Permitted	(05-004-02)	41° 50′ 12.03″ N	76° 14' 19.78" W
37-015-21193-00	05 004 03 P 3H OG WELL	Permitted	(05-004-03)	41° 50' 11.77" N	76° 14' 19.96" W
37-015-21194-00	7 05 004 04 P 4H OG WELL	Permitted	(05-004-04)	41° 50' 11.50" N	76° 14' 20.14" W
37-015-21195-00	05 004 05 P 5H OG WELL	Permitted	(05-004-05)	41° 50' 11.24" N	76° 14' 20.32" W
37-015-21196-00	05 004 06 P 6H OG WELL	Permitted	(05-004-06)	41° 50' 10.97" N	76° 14' 20.49" W
37-015-21197-00	05 006 01 L 1H OG WELL	Permitted	(05-006-01)	41° 49' 36.11" N	76° 12' 3.80" W
37-015-21198-00	05 006 02 L 2H OG WELL	Permitted	(05-006-02)	41° 49' 35.97" N	76° 12' 3:45" W
37-015-21199-00	05 006 03 L 3H OG WELL	Remitted.	(05-006-03)	41° 49' 35.84" N	76° 12' 3.09" W
37-015-21200-00	05 006 04 L 4H OG WELL	Permitted	(05-006-04)	41° 49' 35.71" N	76° 12' 2.74" W
37-015-21201-00	05 006 05 L 5H OG WELL	Permitted	(05-006-05)	41° 49' 35.58" N	76° 12' 2.38" W
37-015-21217-00	011 01 F 1H OG WELL	Permitted	(03-011-01)	41° 52' 50.04" N	76° 50' 52.60" W
37-015-21218-00	011 02 F 2H OG WELL	Permitted	(03-011-02)	41° 52' 50.04" N	76° 50' 53.00" W
37-015-21219-00	011 03 F 3H OG WELL	Permitted	(03-011-03)	41° 52' 50.03" N	76° 50' 53.39" W
37-015-21220-00	011 04 F 4H OG WELL	Permitted	(03-011-04)	41° 52' 49.05" N	76° 50' 52'39" W
37-015-21221-00	011 05 F 5H OG WELL	Permitted	(03-011-05)	41° 52' 49.05" N	76° 50' 52:79" W
37-015-21222-00	011 06 F 6H OG WELL	Permitted	(03-011-06)	41° 52' 49.05" N	76° 50' 53.18" W
37-015-21227-00	03 023 01 K 1H OG	Permitted	(03-023-01)	41° 52' 37.39" N	76° 50' 9.57" W
37-015-21228-00	03 023 02 K 2H OG	Permitted	(03-023-02)	41° 52' 37.26" N	76° 50' 9.85" W

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37-015-21229-00		Permitted	(03-023-03)	41° 52' 37.13" N	76° 50' 10.13" W
37-015-21230-00		Permitted	(03-023-04)	41° 52′ 37.00″ N	76° 50' 10.41" W
37-015-21231-00	and the same of th	Permitted	(03-023-05)	41° 52' 36.87" N	76°:50' 10.69" W
37-015-21248-00	05 005 02 K-2H OG WELL	Permitted	(05=005-02)	41° 50' 14.1/1" N	76° 13° 33.34" W
37-015-21249-00	05 005 03 K 3H OG WELL	Permitted	(05-005-03)	41° 50' 13.90" N	76° 13' 33'62" W
37-015-21250-00	05 005 04 K 4H OG WELL	Permitted	(05-005-04)	41° 50' 13.69" N	'76° 13' 33.90" W
37-015-21251-00	05 005 05 K 5H OG WELL	Permitted	(05-005-05)	41° 50' 13:48" N	76° 13' 34.18" W
37-015-21252-00	05 005 06 K 6H OG WELL	Permitted	(05-005-06)-m-	41° 50' 13 28" N	76° 13' 34.47" W
37-117-20917-00	DENR 587 02 019 01 OG WELL	Permitted /	(02-019-01)	41° 40' 53 64" N"	77° 0' 0.92" W
37-117-20918-00	DCNR*587 02 019 02 OG WELL	Permitted	(02-019-02)	.41° 40' 53.36" N	77° 0' 1.19" W
37-117-20919-00	DONR 587 02 019 03 OG WELL	Permitted	(02-019-03)	41° 40' 53 08" N	77° 0' 1.46" W
37-117-20920-00	DCNR 587 02 019 04 OG WELL	Permitted	(02-019-04)	41° 40' 52.80" N	77° 0′ 1.74" W
37-015-21270-00	03.014 01 J 1H OG WELL	Permitted	(03-014-01)	41° 51' 47.48" N	76° 52' 55.75" W
37-015-21271-00	03.014.02 J.2H OG WELL	Permitted	(03-014-02)	41° 51' 47 19" N	76° 52' 55.66" W
37-015-21272-00	03 014 03 J 3H OG WELL	Permitted	(03-014-03)	41° 51' 46.90" N	76° 52' 55.58" W
37-015-21274-00	03 014 05 J 5H OG WELL	Permitted	(03-014-05)	41° 51′ 47,86″ N	76° 52' 53.42" W
37-015-21275-00	03 014 06 J 6H OG WELL	Permitted	(03-014-06)	41° 51' 47.57" N	76° 52' 53.34" W
37-015-21276-00	03 014 07 J 7H OG WELL	Permitted	(03-014-07)	41° 51' 47.28" N	76° 52' 53.25" W
37-015-21277-00	03 014 08 J 8H OG WELL	Permitted	(03-014-08)	41° 51' 46.99" N	76° 52' 53.17" W
37-015-21377-00	031 02 M 2H OG WELL	Permitted	(05-031-02)	41° 52' 18.40" N	76° 12' 28.51" W
37-015-21378-00	031 03 M-3H OG WELL	Permitted	(05-031-03)	41° 52' 18.32" N	76° 12′ 28.13" W
37-015-21346-00	5 074 02 D 2H OG WELL	Permitted	(05-074-02)	41° 55' 8.64" N	76° 16' 56.06" W
37-015-21347-00	05 074 03 D 3H OG WELL	Permitted	(05-074-03)	41° 55' 8.92" N	76° 16' 56.18" W
37-015-21348-00	05 074 04 D 4H OG WELL	Permitted	(05-074-04)	41° 55' 9.21" N	76° 16' 56.30" W

37-015-21459-00		05 097 04 R 4H OG WELL	Permitted	(05-097-04)	41° 54' 11.76" N	76° 13' 38.48" W								
37-015-21460-00		05 097 05 R 5H OG WELL	Permitted	(05-097-05)	41° 54′ 11.76″ N	76° 13' 38.88" W								
37-015-21461-00		TT 05 097 06 R 6H OG WELL	Permitted	(05-097-06)	41° 54′ 11.75″ N	76° 18' 39.28" W								
37-015-21318-00		026 02 G 2H OG WELL	Permitted	(05-026-02)	41° 57′ 37.91" N	76° 15' 23,65" W								
37-015-21319-00		26 03 G 3H OG WELL	Permitted	(05-026-03)	41° 57' 37:74" N	76° 15' 23.32" W								
37-015-21320-00	1212	26 04 G 4H OG WELL	Permitted	(05-026-04)	41° 57' 37.57" N	76° 15' 23.00" W								
37-015-21321-00	100	026 05 G 5H OG WELL	Permitted	(05-026-05)	41° 57′ 37,40″ N	76° 15′ 22,67" W								
37-015-21381-00		05 092 01 R 1H OG WELL	Permitted	(05-092-01)	41° 52' 19.22" N	76° 8' 14.47" W								
37-015-21382-00	TRV	05 092 02 R 2H OG WELL	Permitted	(05-092-02)	41° 52" 19.27" N	76° 8' 13.11" W								
37-015-21383-00	HX.	05 092 03 R 3H OG WELL	Permitted	(05-092-03)	41° 52' 19.61" N	76° 8' 13.02" W								
37-015-21384-00		05 092 04 R 4H OG WELL	Permitted	(05-092-04)	41° 52' 19.95" N	76° 8' 12.93" W								
37-015-21466-00	HA	05 129 01 R 1H WELL	Permitted	(05-129-01)	41° 51' 42.29" N	76° 9' 2.56" W								
-37-015-21467-00	HA	05 129 02 R 2H WELL	Permitted	(05-129-02)	41° 51' 43.49" N	76° 9' 3.27" W								
37-015-21468-00	HA	05 129 03 R 3H WELL	Permitted	(05-129-03)	41° 51' 43.20" N	76° 9' 3,34" W								
37-015-21469-00		05 129 04 R 4H WELL	Permitted	(05-129-04)	41° 51' 42.91" N	76° 9' 3.41" W								
37-015-21470-00	HA	05 129 05 R 5H WELL	Permitted	(05-129-05)	41° 51' 42.62" N.	76° 9' 3.48" W								
37-015-21473-00	ÓGW:	ÖEW:		OG WE	Oce Wi					T 05 082 02 2H	Permitted	(05-082-02)	41° 57' 23.27" N	76° 9' 54.84" W
37-015-21474-00						T 05 082 03 3H	Permitted	(05-082-03)	41° 57' 23,33" N	76° 9' 54.45" W				
37-015-21475-00				T 05 082 04 4H	Permitted	(05-082-04)	41° 57' 23.38" N	76° 9′ 54.06″ W						
37-015-21476-00	(Oice Will	T 05 082 05 5H	Permitted	(05-082-05)	41° 57' 23,44" N	76° 9' 53.67" W								
37-015-21497-00		103 053 01 J 1H OG WELL	Permitted	(03-053-01)	41° 49' 34.50" N	76° 51' 22.44" W								
37-015-21498-00		03 053 02 J 2H OG WELL	Permitted	(03-053-02)	41° 49' 34.75" N	76° 51' 22,43" W								
37-015-21499-00	·	03 053 03 J 3H OG WELL	Permitted	(03-053-03)	41° 49' 35.00" N	76° 51' 22.43" V								
37-015-21500-00	30	03 053 04 J 4H OG WELL	Permitted	(03-053-04)	41° 49' 35.24" N	76° 51' 22.42" W								
37-015-21501-00		03 053 05 J 5H OG WELL	Permitted	(03-053-05)	41° 49' 34.22" N	76° 51' 24.30" W								

37-015-21459-00	North Inc.	05 097 04 R 4H OG WELL	Permitted	(05-097-04)	41° 54' 11.76" N	76° 13° 38.48° W
37-015-21460-00		NS 097 05 R 5H OG WELL	Permitted	(98-7997-95)	41° 54' 11,76" N	76" 13"38.88" W
37-015-21461-00		T 05:097-06 R'6H OGWELL	Permitted	(96-760-30)	41° 54' 11,75' N	76" 13' 39.28" W
37-015-21318-00		026 02 G'2H'OGWELL	Permitted	(05-026-02)	41° 57° 37.91° N	76° 15' 23.65" W
37-015-21319-00		26 03 G 3H; GG WENT	Permitted	(05-026-03)	41° 57' 37.74" N	76° 15' 23, 32" W
37-015-21320-00		26 04 G 4H OG WELL	Permitted	(05-026-04)	41°57'37.57"N	76° 15°23.00" W
37-015-21321-00	i i	026.05.G 5H OG WELL	Permitted	(05-026-05)	44° 57' 37,40" N	76° 15'22.87" W
37-015-21381-00	i Kr	S 092 0 3 R THE OC WELL	Remitted	(05-092-01)	45° 52' 19.22" N	76°8 14.47" W
37-015-21382-00	168	5 092 02 R 2H OG WELL	Permitted	(05-092-02)	4f° 52' (9.27'' N	76°8'13'11"W
37-015-21383-00	唱		Remitted	(05-092-03)	41"52" 19 61" N	76 8 13.02 W
37-015-21384-00	3	5,092:04 R 4H OG WELL	Permitted	(05-092-04)	41° 52' (9:95" N	76° 8° 12.93" W
37-015-21466-00	图	5.129 O.E.R.TH WELL	- Remitted	(05-129-01)	41° 51442,29°N	76 9 2.56"W
37-015-21467-00	落	5:129 02:R 2H WELL	Permitted	(05,5129,02)	41°51'43.49" N	76° 9'3.27"W
37-015-21468-00	E C	5129 03 R.SHIWELL	Permitted	(05-129-03)	41° 51' 43.20" N	76° 9' 3.34" W
37-015-21469-00	图	1.0	. Bermitted	(05-129-04)	41° 51' 42 91" N	76° 9° 3.41" W
37-015-21470-00	8	15/129/05/R.SHAWELL	Permitted	(05-129-05)	41° 51' 42'62" N	76° 9° 3.48" W
37-015-21473-00	OGWEER	T'05,082'02'ZH	Permitted	(05:082:02)	41° 57'23.27"N	76° 9' 54.84" W
37-015-21474-00	Ocawica in	T 05:082:03:3H	Permitted	(05-082-03)	41° 57' 23,33" N	76° 9' 54.45" W
37-015-21475-00	(Gaerwines	T 05,082,0# 4H	Permitted	(05-082-04)	41°57'23.38".N	76° 9′ 54.06″ W
37-015-21476-00	(O)cswere	05.082.05.5H	Permitted	(05-082-05)	41° 57' 23,44" N	76° 9′ 53.67" W
37-015-21497-00		03 953 01 J 1H OG WELL	Permitted	(03-053-01)	41° 49' 34' 50' N	,76° 51' 22.44" W
37-015-21498-00		03 053 02 J 2H OG WELL	Permitted	(20°520E0)	41° 49' 34,75" N	76° 51' 22, 43" W
015-21499-00		O 053 03 J 3H OG WELL	Permitted	(£0=659=63)	41° 49' 35.00"N	76° 51' 22.43" W
37-015-21500-00		93 053 04 J 4H OG WELL	Permitted	(03-053-04)	41°49'35.24" N	76° 51' 22 42" W
37-015-215-01		DAIDER OF LEH OF WEIL	Defimited	793-059-05	N "CC 78 57 . FF	76° 51' 24 30' W

37-015-21506-00	165 02 R 2H OG	Permitted	(05-165-02)	41° 59' 7.30" N	76° 15' 1.40" W
37-015-21507-00	5 165 03 R 3H OG	Permitted	(05-165-03)	41° 59' 7.57" Ñ	76° 15' 1.58" W
37-015-21508-00	WELL 165 04 R 4H-OG	Permitted	(05-165-04)	41° 59' 7.83" N	76° 15' 1.76" W
37-015-21509-00	05 165 05 R 5H OG WELL	Permitted	(05-165-05)	41° 59′ 8.10″ N	76° 15' 1.94" W
37-015-21510-00	N 05 165 06 R 6H OG	Permitted	(05-165-06)	41° 59' 8.36" N	76° 15' 2.12" W
37-015-21515-00 -	05 080 02 R OG WELL	Permitted	(05-080-02)	41° 56' 3.28" Ñ	7,6° 11' 41.52" W
37-015-21516-00	05 080 03 R OG WELL	Rermitted	(05-080-03)	41° 56' 3.22" N	76° 11' 41.91" W
37-015-21517-00	05:080 04 R OG WELL	Permitted	(05-080-04)	41° 56' 3.16" N	76° 11' 42.30" W
37-015-21518-00	05'080 05 R OG WELL	Permitted	(05-080-05)	41° 56' 3.10" N	76° 11' 42.69" W
37-015-21519-00	05 080 06 R OG WELL	Permitted	(05-080-06)	41° 56' 3.03" N	76° 11' 43.08" W
37-015-21186-00	N 05 009 02 V 2H OG WELL - REPERMITTED	Permitted	(05-009-02)	41° 49' 51.08" N	76° 7' 51.80" W
37-015-21187-00	5 009 03 V 3H OG WELL - REPERMITTED	Permitted	(05-009-03)	41° 49' 51.10" N	76° 7' 51.40" W
37-015-21188-00	05 009 04 V 4H OG WELL	Permitted	(05-009-04)	41° 49' 51.11" N	76° 7' 51.01" W
37-015-21189-00	N 05 009 05-V 5H OG WELL	Permitted	(05-009-05)	41° 49′ 51.13″ N	76° 7' 50.61" W
37-015-21190-00	A 5 009 06 V 6H OG WELL - REPERMITTED	Permitted	(05-009-06)	41° 49' 51.15" N	76° 7' 50:22" W
37-015-21485-00	05 180 02 2H OG WELL	Permitted	(05-180-02)	41° 56' 33.73" N	76° 18' 52.19" W
37-015-21486-00	180 03 3H OG WELL	Permitted	(05-180-03)	41° 56' 33.47" N	76° 18' 51.99" W
37-015-21487-00	6 180 04 4H OG WELL	Permitted	(05-180-04)	41° 56' 33.22" N	76° 18' 51.78" W
37-015-21488-00	180 05 5H OG WELL	Permitted	(05-180-05)	41° 56′ 32.96″ N	76° 18' 51.58" W
37-015-21489-00	05 180 06 6H OG	Permitted	(05-180-06)	41° 56' 32.71" N	76° 18' 51.38" W
37-015-21542-00	1 049 02 D 2H OG WELL	Permitted	(03-049-02)	41° 57' 6.83" N	76° 51' 6.87" W
37-015-21543-00	03 049 03 D 3H OG WELL	Permitted	(03-049-03)	41° 57' 6.60" N	76° 51' 6.98" W

37-015-21544-00	3 049 04 D 4H OG WELL	Permitted	(03-049-04)	41° 57' 6.37" N	76° 51' 7.09" W
37-015-21545-00	3 049 05 D 5H OG WELL	Permitted	(0.3-049-05)	41° 57' 6.14" N	76° 51' 7.21" W
37-015-21546-00	3 049 06 D 6H OG WELL	Permitted	(03-049-06)	41° 57' 5.90" N	76° 51' 7.32" W
37-015-21567-00	05 223 02 W 2H OG WELL	Permitted	(05-223-02)	41° 57' 55.14" N	76° 16' 47.82" W
37-015-21568-00	223 03 W 3H OG WELL	Permitted	(05-223-03)	41° 57' 55,31" N	76° 16' 48.13" W
37-015-21569-00	5 223 04 W 4H OG WELL	Permitted	(05-223-04)	41° 57' 55.49" N	76° 16′ 48.45″ W
37-015-21595-00	5 046 02 W 2H OG WELL	Permitted	(05-046-02)	41° 54' 37.88" N	76° 10' 59.38" V
37-015-21596-00	5 046 03 W 3H OG WELL	Permitted	(05-046-03)	41° 54' 37,62" N	76° 10' 59.56" W
37-015-21597-00	046 04W 4H OG WELL	Permitted	(05-046-04)	41° 54' 37.36" N	76° 10' 59.74" V
37-015-21598-00	05 046 05 W 5H OG WELL	Permitted	(05-046-05)	41° 54' 37,09" N	76° 10' 59.92" V
37-015-21599-00	05,046 06 W 6H OG WELL	Permitted	(05-046-06)	41° 54′ 36.83" N	76° 11' 0.11" W
37-117-20811-00	DCNR 587 02 003 01 OG WELL- REPERMITTED	Permitted	(02-003-01)	41° 42' 11.30" N	76° 56′ 52.16″ V
37-117-20812-00	DCNR 587 02 003 02 OG WELL - REPERMITTED	Permitted	(02-003-02)	41° 42' 11.60" N	76° 56' 52.09" V
37-117-20813-00	DCNR 587 02 003 03 OG WELL - REPERMITTED	Permitted	(02-003-03)	41° 42′ 11.89" N	76° 56′ 52.02″ V
37-117-20814-00	DCNR 587 02 003 04 OG WELL - REPERMITTED	Permitted	(02-003-04)	41° 42' 12.18" N	76° 56′ 51.95″ V
37-117-20815-00	DCNR 587 02 003 05 OG WELL - REPERMITTED	Permitted	(02-003-05)	41° 42' 12.20" N	76° 56' 53,95" V
37-117-20816-00	DCNR 587 02 003 06 OG WELL - REPERMITTED	Permitted	(02-003-06)	41° 42' 11.91" N	76° 56' 54.02" W
37-117-21204-00	DCNR 587 02 003 07 OG WELL	Permitted	(02-003-07)	41° 42' 11.33" N	76° 56' 54.16" V
37-117-21205-00	DCNR 587 02 003 08 OG WELL	Permitted	(02-003-08)	41° 42' 11.62" N	76° 56′ 54.09" V
37-117-21206-00	DCNR 587 02 015 01 OG WELL	Permitted	(02-015-01)	41° 41' 28.11" N	76° 57' 20.92" V
37-117-21207-00	DCNR 587 02 015 02 OG WELL	Permitted	(02-015-02)	41° 41' 28.18" N	76° 57' 21.37" V
37-117-21208-00	DCNR 587 02 015 03 OG WELL	Permitted	(02-015-03)	41° 41' 28.24" N	76° 57' 21.83" V
37-117-21209-00	DCNR 587 02 015 04 OG WELL	Permitted	(02-015-04)	41° 41' 28.31" N	76° 57' 22.28" V

37-117-21210-00	DCNR 587 02 015 05 OG WELL	Permitted	(02-015-05)	41° 41' 28.37" N	76° 57' 22.73" W
37-015-21614-00	5 178 01 1H OG	Permitted	(05-178-01)	41° 56′ 45.05″ N	76° 20' 4.28" W
37-015-21615-00	05 178 02 2H OG WELL	Permitted	(05-178-02)	41° 56' 46.30" N	76° 20' 3.22" W.
37-015-21616-00	05 178 03 3H OG WELL	Permitted	(05-178-03)	41° 56' 46.14" N	76° 20' 2.88" W
37-015-21617-00	NELL 1 05 178 04 4H OG	Permitted	(05-178-04)	41° 56' 45.98" N	76° 20' 2.55" W
37-015-21618-00	05 178 05 5H OG	Permitted	(05-178-05)	41° 56' 45.82" N	76° 20′ 2.21″ W
37-015-21619-00	05 178 06 6H OG WELL	Permitted	(05-178-06)	41° 56' 45.67" N	76° 20' 1.88" W
37-015-21624-00	03 073 01 G 1H OG WELL	Permitted	(03-073-01)	41° 49' 2.87" N	76° 48' 34.39" W
37-015-21625-00	03 073 02 G 2H OG WELL	Permitted	Mary 18		76° 48' 34.35" W
37-015-21626-00	03 073 03 G 3H OG WELL	Permitted	(03-073-03)	41° 49' 2.38" N	76° 48' 34.31" W
37-015-21627-00	03 073 04 G 4H O'G WELL	Permitted	(03-073-04)	41° 49' 2.13" N	76° 48' 34.26" W
37-015-21628-00	03 073 05 G 5H OG WELL	Permitted	(03-073-05)	41° 49' 1.89" N	76° 48' 34.22" W
37-015-21629-00	03 073 06 G 6H OG WELL	Permitted.	(03-073-06)	41° 49' 1.64" N	76° 48' 34.18" W
37-015-21630-00	03 073 07 G 7H OG WELL	Permitted	(03-073-07)	41° 49' 1.40" N	76° 48' 34.13" W
37-015-21611-00	05 167 01 R 1H OG WELL	Permitted	(05-167-01)	41° 59' 27.35" N	76° 14' 55.32" W
37-015-21612-00	05 167 02 R 2H OG	Permitted	(05-167-02)	41° 59' 27.11" N	76° 14' 55.54" W
37-015-21613-00	N 05 167 03 R 3H OG	Permitted.	(05-167-03)	41° 59' 26 86" N	76° 14' 55.76" W
37-015-21631-00	05.102.01 E.1H OG WELL	Permitted	(05-102-01)	41° 54' 55.80" N	76° 9' 33.44" W
37-015-21632-00	05 102 02 E 2H OG WELL	Permitted	(05-102-02)	41° 54' 54.59" N	76° 9' 32.29" W
37-015-21633-00	05 102 03 E 3H OG WELL	Permitted	(05-102-03)	41° 54' 54.42" N	76° 9' 32.61" W
37-015-21634-00	102 04 E 4H OG WELL	Permitted	(05-102-04)	41° 54' 54.25" N	76° 9' 32.93" W
37-015-21640-00	05 081 01 D 1H OG WELL	Permitted	(05-081-01)	41° 55' 5.58" N	76° 16' 5.22" W
37-015-21641-00	05 081 02 D 2H OG WELL	Permitted	(05-081-02)	41° 55' 5.29" N	76° 16" 5.31" W
37-015-21642-00	E 05 081 03 D 3H OG WELL	Permitted	(05-081-03)	41° 55' 5.00" N	76° 16' 5.39" W

37-015-21643-00		05 081 04 D 4H OG WELL	Permitted	(05-081-04)	41° 55' 4.71" N	76° 16' 5.48" W
37-015-21644-00	4	081 05 D 5H OG WELL	Permitted	(05-081-05)	41° 55' 4.42" N	76° 16' 5.56" W
37-015-21638-00		058 03 J 3H OG WELL	Permitted	(05-058-03)	41° 53' 8.66" N	76° 14' 6.81" W
37-015-21639-00	Ĭ	058 04 J 4H OG WELL	Permitted	(05-058-04)	41° 53' 8.69" N	76° 14' 7.20" W
37-015-21636-00	1	058-01 J 1H OG WELL	Permitted	(05-058-01)	41° 53' 9.62" N	76° 14' 6.28" W
37-015-21637-00	3	58-02 J 2H OG WELL	Permitted	(05-058-02)	41° 53' 8.63" N	76° 14' 6.41" W
37-117-21091-00	WELL	02 100 01 R 1H OG	Permitted	(02-100-01)	41° 43′ 53.15″ N	77° 3' 2,99" W
37-117-21092-00	WELL	02 100 02 R 2H OG	Permitted	(02-100-02)	41° 43′ 52.87" N	77° 3' 2.86" W
37-117-21093-00	V/V/=) E E	02 100 03 R 3H OG	Permitted	(02-100-03)	41° 43′ 52.59" N	77° 3' 2.74" W
37-117-21094-00	WELL	02 100 04 R 4H OG	Permitted	(02-100-04)	41° 43′ 52.31″ N	77° 3′ 2.62" W
37-117-21095-00	WELL	02 100 05 R 5H OG	Permitted	(02-100-05)	41° 43′ 52.03″ N	77° 3′ 2.50" W
37-117-21096-00	VI=	R 02 100 06 R 6H OG	Permitted	(02-100-06)	41° 43' 51.74" N	77° 3′ 2.38″ W
37-015-21606-00		100.01 R 1H OG WELL	Permitted	(05-100-01)	41° 55' 15.53" N	76° 10' 18.25" W
37-015-21607-00	10	100 02 R 2H OG WELL	Permitted	(05-100-02)	41° 55' 15.27" N	76° 10' 18.05" W
37-015-21608-00		100 03 R 3H OG WELL	Permitted	(05-100-03)	41° 55' 15.01" N	76° 10' 17.85" W
37-015-21609-00	1	100 04 R 4H OG WELL	Permitted	(05-100-04)	41° 55' 14.75" N	76° 10' 17.66" W
37-015-21610-00	2	100 05 R 5H OG WELL	Permitted	(05-100-05)	41° 55' 14.50" N	76° 10' 17.46" W

Explical Pointing

Valid Permits 234

### Well Transfer Status

		Transferred to T	ansman osa		
Transfe	erred to TEUSA	Permit #	Date of Transfer	Town	County
n-26	64 1H	37-117-20330-00	1/8/2010	Jackson	Tioga
	10 5H	37-117-20391-00	6/22/2010	Jackson	Tioga
	04 1H:	37-117-20327-00	:3/172010	Jackson	Tioga.
	08'1H	37-117-20325-00	3/1/2010	Jackson.	Tioga.
	6 1H	37-117-20324-00	6/22/2010	Jackson	Tioga
	02 1H	37-117-20328-00	6/22/2010	Jackson	Tioga
	71H	37-117-20304-00	3/1/2010	Jackson	Tioga
	61:1H	37-117-20297-00	1/7/2010	Jackson	Tioga
	1-1H	37-117-20296-00	1/8/2010	Jackson	Tioga
		37-117-20197-00	7	Jackson	Tioga
	59 1H	37-117-20298-00	1/7/2010	Jackson	Tioga
	h 269 1H	37-117-20299-00	1/8/2010	Jackson	Tioga
	268-1H	37-117-20301-00	1/7/2010	Jackson-	Tioga
1	2 1H	37-117-20295-00	1/8/2010	Jackson	Tioga

WELL 911 S ADDRE	SS	County (location of Well)	Town (location of well)	Latitude North	Longitude West
ADDRESS	STATE		Tea .		
	PA	Tioga	Jackson	41.991175	-76,956719
	PA	Tioga	Jackson	41.954631	-76.954706
	PA	Tioga	Jackson	41.936206	-77.01975
	PA	Tioga	Jackson	41.947025	-76.977608
1 1	PA	Tioga	Jackson	41.931456	-76.993294
	PA	Tioga	Jackson	41.92622	-77.045198
<u>_</u>	PA	Tioga	Jackson	41.987964	-77.051917
8	PA	Tioga	Jackson	41.988425	-76,991133
	PA	Tioga	Jackson	41.963478	-77.0004
	PA	Tioga	Jackson	41.984136	77.026672
ve	PA	Tioga	Jackson	41.989	-77.014
	PA	Tìoga	Jackson	41.958998	-77.022233
	PA	Tioga	Jackson	41.966686	-77.0386
	PA	Tioga	Jackson	41.98925	-76.979903

App 163

# NON-OPERATED Talisman

Vell Name	Operator		County	Sta
J. III III III	Alta Resources, L.L.C.	Liberty	Susquehanna	PA
11H	Alta Resources, L.L.C.	Liberty	Susquehanna	PA
5H	Chesapeake Appalachia, L.L.C.	West Burlington	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Terry/Albany	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Terry/Albany	Bradford	PA
24	Chesapeake Appalachia, L.L.C.	Standing Stone	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Orwell	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Standing Stone	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Terry	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Herrick	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Orwell	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Tuscarora	Bradford	PA
2H	East Resources, Inc.	Jackson	Tioga	PA
BH	East Resources, Inc.	Jackson	Tioga	PA
1H	East Resources, Inc.	Jackson	Tioga	PA
5H	East Resources, Inc.	Jackson	Tioga	PA
5H	East Resources, Inc.	Jackson	Tioga	PA
11H	East Resources, Inc.	Jackson	Tioga	PA
I 3H	East Resources, Inc.	Jackson	Tioga	PA
14H	East Resources, Inc.	Jackson	Tioga	PA
15H	East Resources, Inc.	Jackson	Tioga	PA
16H	East Resources, Inc.	Jackson	Tioga	PA
rd 1H	Chesapeake Appalachia, L.L.C.	Standing Stone	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Herrick	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Orwell	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Orwell	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
r 2H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
i 5H	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
r 4H	Carrizo Oil & Gas, Inc.	Forest Lake	Susquehanna	PA
4	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
-	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Ulster	Bradford	PA
Oll	Chesapeake Appalachia, L.L.C.	Herrick	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Wysox	Bradford	PA
an 2H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.			PA
H 2H	Chesapeake Appalachia, L.L.C.	Rome Standing Stone	Bradford Bradford	PA
	TUTES AUGUNE AUGUNIACHIA L.L.U.	ISIAHUHU SIUHE	Diadioid	LH

## NON-OPERATED Talisman

-	The state of the s			
/5H	Chesapeake Appalachia, L.L.C.	Wysox	Bradford	PA
h 2H	Chesapeake Appalachia, L.L.C.	Leroy	Bradford	PA
61	Chesapeake Appalachia, L.L.C.	Athens	Bradford	PA
4 2H	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Herrick	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
ee 2H	EOG Resources, Inc.	Springfield	Bradford	PA
follow 2H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
2H	Chesapeake Appalachia, L.L.C.	Ulster	Bradford	PA
n 2H	Chesapeake Appalachia, L.L.C.	Orwell	Bradford	PA
4H	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
	Chesapeake Appalachia, L.L.C.	Albany	Bradford	PA
view Farms		Leroy	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Overton	Bradford	PA
er North 4H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Asylum	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
d 4H	Chesapeake Appalachia, L.L.C.	Sheshequin	Bradford	PA
Н	Chesapeake Appalachia, L.L.C.	Liberty	Tioga	PA
North 5H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Ulster	Bradford	PA
NE 1H	Chesapeake Appalachia, L.L.C.	Sheshequin	Bradford	PA
ck 3H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Sheshequin	Bradford	Pa
k 2H	Chesapeake Appalachia, L.L.C.	Fox	Sullivan	PA
H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
ss 4H	Chesapeake Appalachia, L.L.C.	Rush	Susquehanna	PA
ss 5H	Chesapeake Appalachia, L.L.C.	Rush	Susquehanna	PA
ss 6H	Chesapeake Appalachia, L.L.C.	Rush	Susquehanna	PA
3H	Chesapeake Appalachia, L.L.C.	Wyalusing	Bradford	PA
∋ 5H	Chesapeake Appalachia, L.L.C.	Auburn Township	Susquehanna	PA
H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
БН	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
	Short profile in a particular and a size of	Orwell		-
h 2H	Chesapeake Appalachia, L.L.C.	Rome	Bradford	PA
7.2	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
57 2H	SWEPI	Jackson&Lawrence		PA
57 3H	SWEPI	Jackson&Lawrence		PA
57 4H	SWEPI	Jackson&Lawrence		PA
57 5H	SWEPI	Jackson&Lawrence		PA
97 6H	SWEPI	Jackson&Lawrence		PA
4	Chesapeake Appalachia, L.L.C.	Ulster Township	Bradford.	PA
T 258 1H	SWEPI	Jackson Township		PA
5H	Chesapeake Appalachia, L.L.C.	Smithfield	Bradford	PA
1H	Chief	Lenox	Susquehanna	PA
	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
5H	Chesapeake Appalachia, L.L.C.	Litchfield	Bradford	PA
15H				
BRA 2H	Chesapeake Appalachia, L.L.C.	Sringfield/Smithfield		PA
	Talisman Energy USA Inc.	Litchfield	Bradford	PA

# NON-OPERATED <u>Talisman</u>

	Chesapeake Appalachia, L.L.C.	Athens	Bradford	PA
	Talisman Energy USA Inc.	Litchfield	Bradford	PA
d-A	Talisman Energy USA Inc.	Nelson	Tioga	PA
#1	Shell - SWEPI	Jackson	Tioga	PA
261#1H	Shell - SWEPI	Jackson	Tioga	PA
259#1H	Shell - SWEPI	Jackson	Tioga	PA
r 268 #1H	Shell - SWEPI	Jackson	Tioga	PA
271 #1H	Shell - SWEPI	Jackson	Tioga	PA
262-1H	Shell - SWEPI	Jackson	Tioga	PA
269 #1	FShell - SWEPI	Jackson	Tioga	PA
406-1H	Shell - SWEPI	Jackson	Tioga	PA
408-1H	Shell - SWEPI	Jackson	Tioga	PA
404-1H	Shell - SWEPI	Jackson	Tioga	PA
264-1H	Shell - SWEPI	Jackson	Tioga	PA
412-1H	Shell - SWEPI	Jackson	Tioga	PA
€ 257-1H	Shell - SWEPI		Tioga	PA
a 457-1H	Shell - SWEPI	Jackson	Tioga	PA
8-1H	Shell - SWEPI	Jackson	Tioga	PA
410-5H	Shell - SWEPI	Jackson	Tioga	PA
402-1H	Shell - SWEPI	Jackson	Tioga	PA
259 5H	Shell - SWEPI	Jackson	Tioga	PA
259 4H	Shell - SWEPI	Jackson	Tioga	PA
259 2H	Shell - SWEPI	Jackson	Tioga	PA
259 3H	Shell - SWEPI	Jackson	Tioga	PA
261 3H	Shell - SWEPI	Jackson	Tioga	PA
259 6H	Shell - SWEPI	Jackson	Tioga	PA.
261 2H	Shell - SWEPI	Jackson	Tioga	PA
261 5H	Shell - SWEPI	Jackson	Tioga	PA
261 6H	Shell - SWEPI	Jackson	Tioga	PA
261 4H	Shell - SWEPI	Jackson	Tioga	PA
400-1H	Shell - SWEPI	Jackson	Tioga	PA
II 456-2H	Shell - SWEPI	Jackson	Tioga	PA



#### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

typed each	or legib	ly printed in the spaces d sheet as Form 26R,	provided. If additional sp	ired information must be pace is necessary, identify per and identify the date a noted below.	/ Date Receive	JSE ONLY d & General Notes
Gener	al Refer	ence 287.54				
Date F	repared	d/Revised Feb	ruary 11, 2011			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) INF	ORMATION	
Comp	any Nar					
		ergy USA Inc.				
		y, Name of Parent Comp	any			Generator ID#
		ergy Inc.			N/A	
		ling Address Line 1	C	Company Mailing Address	Line 2	
	nnwood		Ctata	71m r.d	Dhana	Eut
	any Add endale	Iress Last Line - City	State PA	Zip+4 15086	Phone (724) 914 520	Ext
		tact Last Name	First Name	MI	(724) 814-530 Suffix	
Brown	COLUMN TO THE REAL PROPERTY.	naor Last Name	Dina	1011	Sumi	
	ipality			County		
Warre				Allegheny		
Conta	ct Phon	e Ext	Contact Email Address			
(724)	814-53	21	dybrown@talismanusa.	com		
If 'No', natura tempor	describ	e location of waste gen	y Mailing Address (noted eration and storage. Was site located at 2501 Skyling County Tioga	te is generated during the de Drive, Jackson Township,	rilling, completion,	Yes No and production of The waste is
7400000		Cachoon		E DESCRIPTION		171
Resi	dual	Residu	al Waste	L DECORM FION	Unit of	Time
	Code		escription	Amount	Measure	Frame
802		Brine and Wastewater		1,159	cu yd gal	
002		Diffic and wastewater			lb ⊠ ton	☐ One Time
			1. GENERAL F			
a.	pH Ra		to 7	(based on analyses or kno	wledge)	
b.	Physic	al State	□ Liquid Waste (EPA Me     □ Solid (EPA Method 90     □ Gas (ambient tempera	95)		
c. Physical Appearance Color		Color translucent ye	yellow/brown Odor hydrocarbon			
			Number of Solid or Liqui Describe each phase of s		One	
-	_		2. CHEMICAL ANALY	SIS ATTACHMENTS		
a.		sults of a detailed chemictions, is attached.		e waste, as described in the	ne 🗵	Yes No
b.			aste sampling method is	attached.	X	Yes No
C.		ality assurance/quality	The second secon	yed by the laboratory(ies)		Yes No
d.			aste determination is atta	iched.	X	Yes No
e.		cable, a detailed explant actual chemical analysis	ation supporting use of gos is attached.	enerator knowledge in		No 🖾 N/A

		<ol><li>PROCESS DESCRIPTION &amp; S</li></ol>	CHEMATIC ATTACHME	NIS				
a.		e manufacturing and/or polluti ne instructions, is attached.	on control processes	producing		Yes		No
b.	A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.					Yes		No
C.	If portions of the information submitted are confidential, the substantiation for a confidentiality claim, as described in the instructions, is attached.					No		N/A
	SECT	TION C. MANAGEMENT	OF RESIDUAL	WASTE				
		1. PROCESSING OR DISP						
The	area below (ad.) will accomm	odate the identification of two	facilities. Attach add	itional sheets	if ne	cessary		
a.	Solid waste permit number MDD980555189	(s) for processing or disposal	facility being utilized.					
b.	Facility Name	Clean Harbors of Baltimo	re					
	Address Line 1	1910 Russell St						
	Address Line 1							
	Address City State ZIP	Baltimore	MD	21230				
	Municipality	Baltimore	County					
C.	Facility Contact Name Title							
	Phone	410-244-8200 E	mail Address					
d.	Volume of waste shipped to 446	processing or disposal facilit	y in the previous year lb 🛛 ton	r. (check one)				
a.	Solid waste permit number 0008451	(s) for processing or disposal t	acility being utilized.					
b.	Facility Name	Sunbury Generation Was	tewater Treatment F	acility				
	Address Line 1	Old Trail Road						
	Address Line 1	P.O. Box 517						
	Address City State ZIP	Shamokin Dam	PA	17876				
	Municipality	Shamokin Dam	County Sn	yder				
C.	Facility Contact Name Title	Sheldon Kowaleski						
	Phone	(570) 884-1235 E	mail Address					
d.	Volume of waste shipped to 259	processing or disposal facilit		r. (check one)				
		2. BENEFICIA	AL USE					
		ad for hanoficial use?				Yes	M	No
a.	Has the waste been approv	ed for beneficial use?			1		K-V	
а.		mit number or approval numb	er.					

		3. PROCESS DESCRIPTIO	N & SCHEMATIC ATTA	CHMENTS		
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufa as specified in the instruct		control processes pro	ducing the waste,		☐ No
c.	If portions of the information a confidentiality claim, as of			on for Yes	□ No	⊠ N/A
	SEC	TION C. MANAGEN	MENT OF RESIDU	JAL WASTE		
			DISPOSAL FACILITY(II			
The a	rea below (ad.) will accomm	odate the identification of	of two facilities. Attack	h additional sheets	if necessar	y.
a.	Solid waste permit number 101508	(s) for processing or disp	posal facility being uti	lized.		
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Franklin	County	Venango		
C.	Facility Contact Name	Elton DeLong				
	Title	Plant Manager				
	Phone	(814) 437-3593	Email Address	info@pabrine.co	m	
d.	Volume of waste shipped to 229	o processing or disposal cu yd gal	facility in the previous			
a.	Solid waste permit number 010278	(s) for processing or disp	oosal facility being uti	lized.		
b.	Facility Name	Waste Treatment Co	orp. Warren County			
	Address Line 1					
	Address Line 1					
	Address City State ZIP	Warren	PA	16365		
	Municipality	Warren	County	Warren		
c.	Facility Contact Name	Rich Gorton				
	Title					
	Phone	814-726-1500	Email Address	info@waste-trea	tment.net	
d.	Volume of waste shipped to 225	processing or disposal cu yd gal	facility in the previous			
			IEFICIAL USE			
a.	Has the waste been approv	ed for beneficial use?			Yes	⊠ No
	William III II CARE STATE TO SERVE STATE OF THE SER	and the second second second	number			
	If "Yes", list the general pe	mit number or approval	number.			

Name of Responsible Official

Dina Brown

Signature

#### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the Information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year \_\_\_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted:

Title

Date

**Environmental Specialist** 



typed each	or legit	oly printed in the spa d sheet as Form 26	ces pro	vided. If additional s	uired information must pace is necessary, identiber and identify the date noted below.	fy Date Receiv	USE ONLY yed & General Notes
Gene	ral Refe	rence 287.54					
Date	Prepare	d/Revised	Februar	ry 11, 2011		The same	
		SECTION	A. CL	IENT (GENERATO	R OF THE WASTE) IN	FORMATION	
	any Nar						
		ergy USA Inc.	216220				0 / 10/
		y, Name of Parent Co ergy Inc.	ompany			N/A	Generator ID#
		lling Address Line 1			Company Mailing Addres		
000000000000000000000000000000000000000	ennwood				zampany mamng ricare	0 40 4	
		dress Last Line - Cit	У	State	Zip+4	Phone	Ext
	endale			PA	15086	(724) 814-53	
		ntact Last Name		First Name	MI	Suff	ix
Brow	cipality			Dina	County		
	endale				Allegheny		
	ct Phon	e Ext	Co	ntact Email Address	rinogranij		
	814-53			brown@talismanusa			
If 'No natura The w	, descri	be location of waste	generat 9) well p	ad site located at 1528	ste is generated during the 8 Sanitarium Hill Road, Col	drilling, completion umbia Township, E	Yes No n, and production of bradford County, PA. PA
		Coldinold	SF	The second secon	TE DESCRIPTION		
Res	idual	Re	sidual V		TE BEGOIGH TION	Unit of	Time
Wast	e Code	Cod	le Desci	ription	Amount	Measure	Frame
802		Brine and Wastew	ater		1,606	☐ cu yd ☐ gal ☐ lb      ton	☐ One Time
				1. GENERAL	PROPERTIES	_ ib	One rime
a.	pH Ra	nge	6	to 7	(based on analyses or kn	iowledge)	
b.	Physic	cal State		Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper	095)		
c.	Physic	cal Appearance		at an income a trial	id Phases of Separation	Hydrocarbon One	
				2. CHEMICAL ANALY			
a.		sults of a detailed ch	nemical		ne waste, as described in	the 🛛	Yes No
b.			ne waste	sampling method is	attached.	X	Yes No
C.		uality assurance/qua			oyed by the laboratory(ie	The state of the s	Yes No
d.			us wast	e determination is att	ached.		Yes No
e.		icable, a detailed exp			generator knowledge in	Yes	No 🛛 N/A

а.	A detailed description of the	e manufacturing and/or	The second secon	CONTRACTOR OF THE PARTY OF THE			
	the waste, as specified in the	ne instructions, is attach		cesses producing	⊠ Yes		No
b.	A schematic of the manufa as specified in the instructi		control processes pro	oducing the waste,	⊠ Yes		No
C.	If portions of the information a confidentiality claim, as o			on for Yes	□ No		N/A
	SEC1	TON C. MANAGE					
Thor	area below (ad.) will accomm		R DISPOSAL FACILITY		16	chin i	
D. Salaria D.		The same of the same of the same of			ii necessa	ary.	
a.	Solid waste permit number MDD980555189	(s) for processing or dis	posal facility being ut	ilized.			
b.	Facility Name	Clean Harbors					
	Address Line 1	1910 Russell St					
	Address Line 1			0203020202			
	Address City State ZIP	Baltimore	MD	21230			
	Municipality	Baltimore	County				
C.	Facility Contact Name						
	Title Phone	440 044 0000	Facility Address				
		410-244-8200	Email Address				
d.	Volume of waste shipped to 1,563	processing or disposa	I facility in the previou	The second secon			
a.	Solid waste permit number 101508	(s) for processing or dis	posal facility being ut	ilized.			
b.	Facility Name	PA Brine					
	Address Line 1	5148 US 322					
	Address Line 1						
	Address City State ZIP	Franklin	PA	16323			
- 5	Municipality	Franklin	County	Venango			
C.	Facility Contact Name	Elton DeLong					
	Title	Plant Manager					
	Phone	(814) 437-3593	Email Address	info@pabrine.co	m		
d.	Volume of waste shipped to 42	processing or disposa cu yd gal	I facility in the previou				
			NEFICIAL USE				
a.	Has the waste been approv	ed for beneficial use?			Yes		No
	If "Yes", list the general per						
b.	Volume of waste beneficial	y used in the previous y cuyd gal	rear.	on (check one)			

Name of Responsible Official

Dina Brown Signature

#### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year \_\_\_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted:

Title

**Environmental Specialist** 

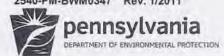


typed each	or legit	oly printed in the space of sheet as Form 26R,	s provided. If additional	quired information must space is necessary, ider mber and identify the orate noted below.	ntify Da	DEP L te Receive		NLY neral Notes
Gener	ral Refe	rence 287.54						
Date F	repare	d/Revised Fe	bruary 11, 2011					
		SECTION A.	CLIENT (GENERAT	OR OF THE WASTE) I	NFORMA	TION		
Comp	any Na	ne			The same of	Part of the		
		ergy USA Inc.						
		y, Name of Parent Comp	pany				Senera	itor ID#
		ergy Inc.		Company Mailing Addres	na Lina 2	N/A		
		iling Address Line 1 d Place		Company Mailing Addre	ss Line 2			
		dress Last Line - City	State	Zip+4	Phone		-	Ext
	endale		PA	15086		814-530	0	
Comp	any Cor	ntact Last Name	First Name	MI		Suffix		
Brown		A CONTRACTOR OF THE PARTY OF TH	Dina					
	ipality			County				
Warre			0.4.5.0.0.4.11	Allegheny				
100	ct Phon 814-53		Contact Email Address					
			dybrown@talismanus ny Mailing Address (note				Yes	⊠ No
If 'No'		be location of waste ger	neration and storage. W	aste is generated during th Fallbrook Road, Troy Town		mpletion,	and pr	oduction of
tempo		red in tanks on site. Troy		dford		ate	PA	
	.p-4	1109		STE DESCRIPTION			171	
Rosi	dual	Resid	ual Waste	OTE DESCRIPTION	Unit	of	-	Time
	Code	2.75245	escription	Amount	Measu	200		Frame
802		Brine and Wastewate		378	☐ cu yd	gal	500	
002		Dillie and Wastewate		11 17 7	☐ lb	⊠ ton		One Time
				L PROPERTIES		-		
a.	pH Ra		to 7	(based on analyses or I	(nowledge)			
b.	Physic	cal State		9095)				
C.	Physic	al Appearance	Color Translucent	yellow/brown Odd	or Hydro	carbon		
			Number of Solid or Liq	uid Phases of Separation	one One			
			Describe each phase of	of separation. Liquid				
-			0. 000000000000000000000000000000000000	Colore dans of Michigan				
-	The	aulta af a datallad abam		LYSIS ATTACHMENTS	a the		/	TT Me
a.	instru	ctions, is attached.		the waste, as described i	n the		res	□ No
b.			vaste sampling method			-	/es	☐ No
C.	The quattach		control procedures emp	ployed by the laboratory(i	es) is	⊠ `	/es	□ No
d.	The re	sults of the hazardous	waste determination is a	ttached.		× ×	r'es	☐ No
e.		icable, a detailed explar actual chemical analys		generator knowledge in	Yes		Vo	⊠ N/A

		3. PROCESS DESCRIPTION	& SCHEMATIC ATTACHMENT	NTS				
a.		ne manufacturing and/or po he instructions, is attached		producing		Yes		No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution colions, is attached.	ntrol processes producing	g the waste,		Yes		No
C.		on submitted are confidenti described in the instruction		Yes		No		N/A
	SEC	TION C. MANAGEME	NT OF RESIDUAL	WASTE				
			ISPOSAL FACILITY(IES)					
The a	area below (ad.) will accomm	odate the identification of t	wo facilities. Attach addi	tional sheets	if ne	cessary		
a.	Solid waste permit number MDD980555189	(s) for processing or dispo-	sal facility being utilized.					
b.	Facility Name	Clean Harbors of Balti	more					
	Address Line 1	1910 Russell St						
	Address Line 1							
	Address City State ZIP	Baltimore	MD	21230				
	Municipality	Baltimore	County					
C.	Facility Contact Name Title							
	Phone	410-244-8200	Email Address					
d.	Volume of waste shipped to 22	processing or disposal fa	cility in the previous year  Ib X ton	(check one	)			
a.	Solid waste permit number 0008451	(s) for processing or dispos	sal facility being utilized.					
b.	Facility Name	Sunbury Generation V	Vastewater Treatment Fa	acility				
	Address Line 1	Old Trail Road						
	Address Line 1	P.O. Box 517						
	Address City State ZIP	Shamokin Dam	PA	17876				
	Municipality	Shamokin Dam	County Sny	rder				
C.	Facility Contact Name Title	Sheldon Kowaleski						
	Phone	(570) 884-1250	Email Address					
d.	Volume of waste shipped to	processing or disposal fa	cility in the previous year			-		
	283	uyd gal	☐ Ib 🛛 ton	(check one)	)			
		2. BENE	FICIAL USE					
a.	Has the waste been approv	ed for beneficial use?				Yes	X	No
	16 ((Vee)) Upt the name of me	rmit number or approval nu	mber		-			
	If "Yes", list the general pe	milit mumber of approval mu	11110011					

a.		01 1 1100 DEC DEC		SCHEMATIC ATT	TO I HAVE THE				
	A detailed description of t the waste, as specified in			ution control pro	cesses p	roducing		Yes	No
b.	A schematic of the manufa as specified in the instruc			rol processes pro	oducing	the waste,		Yes	No
С.	If portions of the informati a confidentiality claim, as				ion for	Yes		No	N/A
	SEC	TION C. MAN	AGEME	NT OF RESID	UALV	VASTE			
		THE RESERVE OF THE PARTY OF THE	The second second	SPOSAL FACILITY					
The	area below (ad.) will accomm					onal sheets	if ned	cessary	
a.	Solid waste permit numbe 101508	r(s) for processing	g or dispos	al facility being u	tilized.				
b.	Facility Name	PA Brine							
	Address Line 1	5148 US 322	2						
	Address Line 1								
	Address City State ZIP	Franklin		PA		16323			
	Municipality	Franklin		County	Vena	ango			
c.	Facility Contact Name	Elton DeLon	g						
	Title	Plant Manag							
	Phone	(814) 437-35	593	Email Address	info@	pabrine.co	m		
d.	Volume of waste shipped to	o processing or d	lisposal fac	lity in the previou	us vear.				
	25	cu yd	gal [		on	(check one	)		
a.	25 Solid waste permit numbe 010278	cu yd	gal [	☐ lb 🛛 to	on	(check one	•)		
a. b.	Solid waste permit numbe	cu yd	gal [	☐ lb 🛛 to	on tilized.	(check one	)		
	Solid waste permit numbe 010278	cu yd	gal [	☐ lb ⊠ to	on tilized.	(check one	•)		
	Solid waste permit numbe 010278 Facility Name Address Line 1 Address Line 1	cu yd cu yd r(s) for processing Waste Treat	gal [	☐ Ib ☑ to	on tilized.		•)		
	Solid waste permit numbe 010278 Facility Name Address Line 1 Address Line 1 Address City State ZIP	cu yd cu yd r(s) for processing Waste Treat	gal [	Ib Storal facility being ut  Warren County	on tilized.	16365	•)		
	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	cu yd cu yd r(s) for processing Waste Treat	gal [	☐ Ib ☑ to	on tilized.	16365	•)		
b.	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	cu yd cu yd r(s) for processing Waste Treat	gal [	Ib Storal facility being ut  Warren County	on tilized.	16365	)		
b.	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title	cu yd  r(s) for processing  Waste Treate  Warren  Warren  Rich Gorton	g or disposa	Ib Storage to the storage of the sto	on tilized. Warr	16365 en			
b,	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	cu yd  r(s) for processing Waste Treate Warren Warren	g or disposa	Ib Storal facility being ut  Warren County	on tilized. Warr	16365		nt.net	
b.	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title	Cu yd  (s) for processing  Waste Treate  Warren  Warren  Rich Gorton  814-726-150  o processing or d	g or disposa ment Corp.	Ib Storage to all facility being ut  Warren County  PA County  Email Address  ility in the previous	warr	16365 en	atmen	nt.net	
b,	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to	Cu yd  (s) for processing  Waste Treate  Warren  Warren  Rich Gorton  814-726-150  o processing or d	g or disposa ment Corp.	Discrete Services In the previous of the previ	Warr	16365 en Dwaste-trea	atmen	nt.net	
b. c.	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to	waste Treate Warren Warren Rich Gorton 814-726-150 o processing or d cu yd	g or dispose ment Corp.  00 lisposal fac   gal [	Discrete Services In the previous of the previ	Warr	16365 en Dwaste-trea	atmen	nt.net Yes	No
	Solid waste permit numbe 010278  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to 47	cu yd cu yd cys for processing  Waste Treate  Warren  Warren  Rich Gorton  814-726-150  o processing or d  cu yd cu yd  yed for beneficial	g or disposa ment Corp.  oo lisposal fac gal gal 2. BENEFI use?	Ib	Warr	16365 en Dwaste-trea	atmen		No

			SECTION	N D. CERTIFICA	TION
Repo obtai know	ort and all attached docu	uments verify t the s	and that based that the submit ubmission of fal-	d upon my inquiry of ted information is tr se information herein	liar with the information submitted in this Annual those individuals immediately responsible for ue, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. d imprisonment.
Chec	k the following, if applica	ble:			
	I certify the information		ired in Section E	3-1, General Propertie	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information and has not char		ired in Section E	B-2, Chemical Analysi	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I			3, Process Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	of Responsible Official			Title	Environmental Specialist
Dina	Brown				
Signa	ature	5	10	Date	2/25/11



typed each	or legit	ust be fully and accurate oly printed in the spaces of sheet as Form 26R, r e date on attached sheets	provided. If additional s eference the item num	ber and identify the da	fy Da	DEP I		ONLY eneral Notes
Gener	ral Refe	rence 287.54						
Date I	Prepare	d/Revised Febr	ruary 11, 2011					
			CLIENT (GENERATO	R OF THE WASTE) IN	FORMA	TION		
	any Nar							
		ergy USA Inc. y, Name of Parent Compa	mv			EDA (	Gener	ator ID#
100000000000000000000000000000000000000		ergy Inc.				N/A	Gener	ator ib#
Comp		iling Address Line 1		Company Mailing Addres	s Line 2			
Comp	any Add	dress Last Line - City	State	Zip+4	Phon			Ext
	endale		PA	15086	(724)	814-530		
Brown		ntact Last Name	First Name Dina	MI		Suffix	X	
	ipality		Dilla	County				
	endale			Allegheny				
IDEAL PROPERTY.	ct Phon		Contact Email Address					
	814-53		dybrown@talismanusa.					-
		penerated at the Company be location of waste gene			dellina na		Yes	⊠ No
	gas at			nan Road, Columbia Town				
		stored in tanks onsite.	d bito located at 550 Bear	narritoda, Goldinbia Town	onp, braa	iora coan	ity, i z	i. The waste
Munic	ipality	Columbia	County Bradi		S	tate	PA	
		Columbia	SECTION B. WAS				PA	
Res	idual	Columbia Residu	SECTION B. WAS	TE DESCRIPTION	Unit	of	PA	Time
Res		Columbia  Residue  Code De	SECTION B. WAS	TE DESCRIPTION Amount	Unit Meas	of ure	PA	Time Frame
Res	idual	Columbia Residu	SECTION B. WAS	TE DESCRIPTION	Unit	of	PA	
Res	idual	Columbia  Residue  Code De	SECTION B. WAS	Amount 1,729	Unit Meas	of ure	PA	Frame
Res	idual e Code pH Ra	Columbia  Residua Code De  Brine and Wastewater  inge 6	SECTION B. WAS al Waste scription  1. GENERAL I to 7	Amount 1,729 PROPERTIES (based on analyses or kn	Unit Meas cu yd	of ure	PA	Frame
Res Waste 802	idual e Code pH Ra	Columbia  Residua Code De  Brine and Wastewater  nge 6	SECTION B. WAS al Waste scription  1. GENERAL I	Amount 1,729  PROPERTIES (based on analyses or knethod 9095) 095)	Unit Meas cu yd	of ure	PA	Frame
Res Waste 802	idual e Code pH Ra Physic	Columbia  Residua Code De Brine and Wastewater  Inge 6 cal State	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90	Amount 1,729  PROPERTIES (based on analyses or knethod 9095) 095) ature & pressure)	Unit Meas cu yd lb owledge)	of ure	PA	Frame
Resi Waste 802 a. b.	idual e Code pH Ra Physic	Columbia  Residua Code De Brine and Wastewater  Inge 6 cal State  cal Appearance	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient temper) Color Translucent y Number of Solid or Liquid	Amount 1,729  PROPERTIES (based on analyses or knowled the desired of the desired	Unit Meas cu yd lb owledge)	of ure gal	PA	Frame
Resi Waste 802 a. b.	idual e Code pH Ra Physic	Columbia  Residua Code De Brine and Wastewater  Inge 6 cal State  cal Appearance	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient tempers) Color Translucent y Number of Solid or Liquid Describe each phase of	Amount 1,729  PROPERTIES (based on analyses or known bethod 9095) 095) ature & pressure) vellow/brown Odor id Phases of Separation separation. Liquid	Unit Meas cu yd lb owledge)	of ure gal	PA	Frame
Resi Waste 802 a. b.	pH Ra Physic	Columbia  Residua Code De  Brine and Wastewater  Inge 6 Cal State  Cal Appearance	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient tempers) Color Translucent y Number of Solid or Liquid Describe each phase of	Amount 1,729  PROPERTIES (based on analyses or knethod 9095) 095) ature & pressure) vellow/brown Odor id Phases of Separation separation. Liquid	Unit Meas Cu yd Ib owledge) Hydro One	of ure gal ocarbon	PA	Frame
Resi Waste 802 a. b.	pH Ra Physic	Columbia  Residua Code De  Brine and Wastewater  Inge 6  cal State  cal Appearance	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient tempers Color Translucent y Number of Solid or Liqui Describe each phase of the color and characterization of the	Amount  1,729  PROPERTIES (based on analyses or kneethod 9095) 095) ature & pressure) vellow/brown id Phases of Separation separation. Liquid  VSIS ATTACHMENTS lie waste, as described in	Unit Meas Cu yd Ib owledge) Hydro One	of ure gal ocarbon		One Time
Resi Waste 802  a. b.	pH Ra Physic Physic The re instruct A deta	Columbia  Residuate Code De Brine and Wastewater  Inge 6 cal State  cal Appearance  esults of a detailed chemications, is attached.  alled description of the waste alled description of t	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient tempers Color Translucent y Number of Solid or Liquid Describe each phase of solid characterization of the	Amount 1,729 PROPERTIES (based on analyses or known by the standard of the sta	Unit Meas cu yd lb owledge)  Hydro One	of ure  gal  ton	Yes	One Time
Res Waste 802 a. b.	pH Ra Physic Physic The re instruct A deta The quattach	Columbia  Residuate Code De Brine and Wastewater  Inge 6 cal State  cal Appearance  esults of a detailed chemications, is attached.  alled description of the waste alled description of t	1. GENERAL I to 7 Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient tempers Color Translucent y Number of Solid or Liqui Describe each phase of 12. CHEMICAL ANALY cal characterization of the 13ste sampling method is ontrol procedures employed	Amount  1,729  PROPERTIES (based on analyses or known by the laboratory (ie waste, as described in attached.  Description  Amount  1,729  PROPERTIES (based on analyses or known by the laboratory (ie waste, as described in attached.  Description  Amount  Amount  Amount  Amount  Amount  Indicatory  Amount  Indicator  In	Unit Meas cu yd lb owledge)  Hydro One	of ure gal ton	Yes	One Time  No  No

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes  No  tions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/Addescribed in the instructions, is attached.
	SECT	TION C. MANAGEMENT OF RESIDUAL WASTE
		PROCESSING OR DISPOSAL FACILITY(IES)
The a	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.
b.	Facility Name	PA Brine
	Address Line 1	5148 US 322
	Address Line 1	
	Address City State ZIP	Franklin PA 16323
	Municipality	Franklin County Venango
C.	Facility Contact Name	Elton DeLong
	Title Phone	Plant Manager
	77777	(814) 437-3593 Email Address info@pabrine.com
d.	Volume of waste shipped to 992	o processing or disposal facility in the previous year.  Cu yd gal lb ton (check one)
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Waste Treatment Corp. Warren County
	Address Line 1	341 West Harmar Street
	Address Line 1	
	Address City State ZIP	Warren PA 16365
	Municipality	Warren County Warren
C.	Facility Contact Name	Rich Gorton
	Title	- 1111
	Phone	814-726-1500 Email Address info@waste-treatment.net
d.	Volume of waste shipped to 738	o processing or disposal facility in the previous year.  cu yd gal lb iton (check one)
	July - Talay San	2. BENEFICIAL USE
a.	Has the waste been approv	
	The state of the s	rmit number or approval number.
b.	Volume of waste beneficial	lly used in the previous year.  ☐ cu yd ☐ gal ☐ Ib ☐ ton (check one)
<b>D</b> .	Totaline of waste beneficial	

#### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year \_\_\_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: Name of Responsible Official Title **Environmental Specialist** Dina Brown Date Signature



typed each	or legil	ust be fully and accura ply printed in the spaces d sheet as Form 26R, e date on attached shee	provided. If a reference the	additional space	ce is necessary, iden r and identify the d	tify D	DEP I ate Receive			Votes
Gener	ral Refe	rence 287.54								
Date F	Prepare	d/Revised Fel	bruary 11, 2011							
		SECTION A.	CLIENT (G	ENERATOR	OF THE WASTE) IN	VFORM/	ATION			
	any Na									
		ergy USA Inc.								
		y, Name of Parent Comp	any					Gener	ator II	)#
		ergy Inc. iling Address Line 1		Cas	manu Mallina Addus	an Lina 2	N/A	_		
	ennwoo			Cor	mpany Mailing Addre	ss Line 2				
		dress Last Line - City		State	Zip+4	Phor	ie		Ex	1
	endale			PA	15086		814-530	0	-	
Comp	any Co	ntact Last Name	First N	Name	MI	-	Suffix			
Brown		The second second	Dina				101/01			
	ipality				ounty					
	endale				legheny				-	
100000000000000000000000000000000000000	ct Phon		Contact Ema	TO THE CONTRACTOR						
	814-53	enerated at the Compar		lismanusa.co				Yes		No
		be l <u>ocatio</u> n of waste gen				a drilling o				
	gas at				rook Road, Armenia To					
		orarily stored in tanks onsi			is a second second second			carrey,	7,10-11	
Munic	ipality	Armenia	Count	ty Bradford	d		state	PA		
			SECTION	B. WASTE	DESCRIPTION					
	idual		ual Waste			Unit	of		Time	е
Waste	Code	Code D	escription		Amount	Meas			Fran	ie.
802		Brine and Wastewater	r		1,304	_ cu yd	gal		0	7.
			1	GENERAL PR	OPERTIES	□ lb	⊠ ton		One	ime
a.	pH Ra	nge 6			pased on analyses or k	nowledge)			-	
b.		cal State	and the second second	aste (EPA Meth		nowledge/	-	-	-	
	, myon	our otato		A Method 9095						
				olent temperatu	37					
c.	Physic	cal Appearance		anslucent yell		r Hydr	ocarbon			
	100				Phases of Separation		00010011			
					paration. Liquid					
					20,20					
					S ATTACHMENTS					
a.		sults of a detailed chem ctions, is attached.	ical characteri	ization of the v	waste, as described in	n the		Yes		No
b.	A deta	iled description of the w	aste sampling	method is att	tached.			Yes		No
C.	The quattach	uality assurance/quality ed.	control proced	dures employe	ed by the laboratory(i	es) is		Yes		No
d.	The re	sults of the hazardous v	vaste determin	nation is attach	ned.		X	Yes		No
e.	If appl	icable, a detailed explan actual chemical analysi	ation supporti s is attached.	ing use of gen	erator knowledge in	Yes		No		N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste, Yes No lions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
The a	area below (ad.) will accomm	PROCESSING OR DISPOSAL FACILITY(IES)  nodate the identification of two facilities. Attach additional sheets if necessary.
a.		r(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP	PA Brine 5148 US 322  Franklin PA 16323
	Municipality	Franklin County Venango
C.	Facility Contact Name Title Phone	Elton DeLong Plant Manager (814) 437-3593 Email Address info@pabrine.com
d.	Volume of waste shipped t 444	o processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1 Address Line 1	Waste Treatment Corp. Warren County 341 West Harmar Street
	Address City State ZIP	Warren PA 16365
	Municipality	Warren County Warren
C.	Facility Contact Name Title	Rich Gorton
	Phone	814-726-1500 Email Address info@waste-treatment.net
d.	Volume of waste shipped t 143	o processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)
		2. BENEFICIAL USE
a.	Has the waste been approv If "Yes", list the general pe	ved for beneficial use?
b.	Volume of waste beneficial	lly used in the previous year.  cu yd gal lb ton (check one)

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS				
a.		e manufacturing and/or pollution control processes producing ne instructions, is attached.		Yes		No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution control processes producing the waste, ons, is attached.		Yes		No
C.		on submitted are confidential, the substantiation for Yes lescribed in the instructions, is attached.		No		N/A
	SECT	TION C. MANAGEMENT OF RESIDUAL WASTE				
		Processing or Disposal Facility(ies)				
The a		odate the identification of two facilities. Attach additional sheets	if nec	essary		
a.	Solid waste permit number 0008451	(s) for processing or disposal facility being utilized.				
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility				
	Address Line 1	Old Trail Road				
	Address Line 1	P.O. Box 517				
	Address City State ZIP	Shamokin Dam PA 17876				
	Municipality	Shamokin Dam County Snyder				
C.	Facility Contact Name Title	Sheldon Kowaleski				
	Phone	(570) 884-1235 Email Address				
d.	Volume of waste shipped to 718	processing or disposal facility in the previous year.  cu yd				
a.	Solid waste permit number	(s) for processing or disposal facility being utilized.				
b.	Facility Name			_		
	Address Line 1		-		-	
	Address Line 1		-		-	
	Address City State ZIP					
	Municipality	County				
C.	Facility Contact Name		-	_	-	-
-	Title					_
	Phone	Email Address	_		-	-
d.	Volume of waste chinned to	processing or disposal facility in the previous year.				
u.	volume of waste shipped to	cu yd gal lb ton (check one)				
		2. BENEFICIAL USE				
a.	Has the waste been approv			Yes		No
		mit number or approval number.				
b.	Volume of waste beneficial	y used in the previous year.  cu yd gal lb ton (check one)				

Name of Responsible Official

Dina Brown

Signature

#### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted:

Title

Date

**Environmental Specialist** 



typed each	or legit	ust be fully and accurated by printed in the spaces of sheet as Form 26R, as date on attached sheet	provided. If additional streference the item num	space is necessary, identify the control of the con	tify D	DEP I ate Receive	144		es
Gener	al Refe	rence 287.54			- 2				
Date F	repare	d/Revised Feb	ruary 11, 2011						
			CLIENT (GENERATO	OR OF THE WASTE) II	NFORM/	ATION			
	any Na								
		ergy USA Inc. y, Name of Parent Compa	anv			FΡΔ	Gene	rator ID#	
		ergy Inc.	,			N/A		4101 1211	
		iling Address Line 1		Company Mailing Addre	ss Line 2				
		d Place dress Last Line - City	State	Zip+4	Phon	10	_	Ext	
	endale	areas Last Line - Oity	PA	15086		814-530	00	LAL	
Comp	any Co	ntact Last Name	First Name	MI		Suffix			
Brown	ipality		Dina	County					
	endale			Allegheny					
	ct Phon	e Ext	Contact Email Address	, mognony					
	814-53		dybrown@talismanusa						
		enerated at the Company					Yes		No
	, descri I gas at	be location of waste gene	pad site located at 1051 C	ste is generated during the	e drilling, co	County	and p	roduction be waste	1 Of
		red in tanks onsite.	pad site located at 1051 C	bease brive, may rownsi	iip, bradioid	d County,	-A- 1	ile wasie	15
	ipality	Troy	County Brad			itate	PA		
4			SECTION B. WAS	TE DESCRIPTION					
	dual		al Waste		Unit			Time	
	Code		escription	Amount	Meas u cu yd	gal	-	Frame	
802		Brine and Wastewater		391	□ lb	⊠ ton		One Tin	ne
			1. GENERAL						1
a.	pH Ra		to 7	(based on analyses or l	(nowledge)				
b.	Physic	cal State		095)					
C.	Physic	cal Appearance	Color Translucent		11,501	carbon			
			Number of Solid or Liqu		One				
			Describe each phase of	separation. Liquid					
			2. CHEMICAL ANAL	YSIS ATTACHMENTS					
a.		sults of a detailed chemi ctions, is attached.		The second secon	n the		Yes		10
b.		iled description of the wa	aste sampling method is	attached.		X	Yes	Пи	10
C.		uality assurance/quality of			es) is		Yes	□ N	10
d.		sults of the hazardous w	aste determination is att	tached.			Yes		lo
e.		icable, a detailed explana actual chemical analysis		generator knowledge in	☐ Yes		No	⊠ N	I/A

	A CONTRACTOR OF THE PARTY OF TH	3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		he manufacturing and/or pollution control processes producing Yes the instructions, is attached.	☐ No
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes tions, is attached.	☐ No
C.		on submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	N/A
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	7.0
		PROCESSING OR DISPOSAL FACILITY(IES)	
The	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.	
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	PA Brine	
	Address Line 1	5148 US 322	
	Address Line 1		
	Address City State ZIP	Franklin PA 16323	
	Municipality	Franklin County Venango	
C.	Facility Contact Name	Elton DeLong	
	Title	Plant Manager	
	Phone	(814) 437-3593 Email Address info@pabrine.com	
d.	Volume of waste shipped to 69	to processing or disposal facility in the previous year.  Cu yd  Gal  Ib  Check one)	
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility	
	Address Line 1	Old Trail Road	
	Address Line 1	P.O. Box 517	
	Address City State ZIP	Shamokin Dam PA 17876	
	Municipality	Shamokin Dam County Snyder	
c.	Facility Contact Name Title	Sheldon Kowaleski	
	Phone	(570) 884-1235 Email Address	
d.	Volume of waste shipped to	o processing or disposal facility in the previous year.  cu yd gal lb disposal facility in the previous year.	
-		2. BENEFICIAL USE	
a.	Has the waste been approv	ved for beneficial use?	⊠ No
а.		ved for beneficial use?	≥ No

a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  b. A schematic of the manufacturing and/or pollution control processes producing the as specified in the instructions, is attached.  c. If portions of the information submitted are confidential, the substantiation for a confidentiality claim, as described in the instructions, is attached.  SECTION C. MANAGEMENT OF RESIDUAL W.  1. PROCESSING OR DISPOSAL FACILITY(IES)  The area below (ad.) will accommodate the identification of two facilities. Attach addition and the identification of two facilities. Attach additions are provided in the instructions, is attached.  Solid waste permit number(s) for processing or disposal facility being utilized.  MDD980555189  b. Facility Name	Yes		Yes Yes No		No No N/A
as specified in the instructions, is attached.  c. If portions of the information submitted are confidential, the substantiation for a confidentiality claim, as described in the instructions, is attached.  SECTION C. MANAGEMENT OF RESIDUAL W.  1. PROCESSING OR DISPOSAL FACILITY(IES)  The area below (ad.) will accommodate the identification of two facilities. Attach addition of two facilities attach addition of two facilities. Atta	☐ Yes  /ASTE  onal sheets in		No	Ø	
SECTION C. MANAGEMENT OF RESIDUAL W  1. PROCESSING OR DISPOSAL FACILITY(IES)  The area below (ad.) will accommodate the identification of two facilities. Attach addition as Solid waste permit number(s) for processing or disposal facility being utilized. MDD980555189  b. Facility Name Clean Harbors of Baltimore Address Line 1 Address Line 1 Address City State ZIP Baltimore MD Municipality Baltimore County  c. Facility Contact Name Title Phone 410-244-8200 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 278	/ASTE				N/A
1. PROCESSING OR DISPOSAL FACILITY(IES) The area below (ad.) will accommodate the identification of two facilities. Attach addition a. Solid waste permit number(s) for processing or disposal facility being utilized. MDD980555189 b. Facility Name	onal sheets i	f nece	essary.		
The area below (ad.) will accommodate the identification of two facilities. Attach additions.  Solid waste permit number(s) for processing or disposal facility being utilized. MDD980555189  b. Facility Name Clean Harbors of Baltimore Address Line 1 1910 Russell St		f nece	essary.		
Solid waste permit number(s) for processing or disposal facility being utilized.  MDD980555189  December 1		f nece	essary.		
MDD980555189  b. Facility Name	21230				
Address Line 1 Address City State ZIP Baltimore MD Municipality Baltimore County  C. Facility Contact Name Title Phone 410-244-8200 Email Address  Description Cuyd gal b on order of services or disposal facility in the previous year.  278 Cuyd gal b on order	21230				
Address Line 1 Address City State ZIP Baltimore Municipality Baltimore County  C. Facility Contact Name Title Phone 410-244-8200 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 278 Cuyd Gallity In the previous year. 278 Gallity Name Address Line 1 Address Line 1 Address City State ZIP Municipality County  C. Facility Contact Name Title	21230				
Address City State ZIP  Municipality  Baltimore  Baltimore  County  C. Facility Contact Name  Title  Phone  410-244-8200  Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year.  278  Cuyd  gal  b  ton  Solid waste permit number(s) for processing or disposal facility being utilized.  D. Facility Name  Address Line 1  Address City State ZIP  Municipality  County  Facility Contact Name  Title	21230				
Municipality Baltimore County  C. Facility Contact Name Title Phone 410-244-8200 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 278  Cuyd  gal  b  Solid waste permit number(s) for processing or disposal facility being utilized.  D. Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality County  County  Facility Contact Name Title	21230				
C. Facility Contact Name Title Phone 410-244-8200 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 278					
Title Phone 410-244-8200 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 278  cu yd  gal  b  ton  Solid waste permit number(s) for processing or disposal facility being utilized.  Facility Name Address Line 1 Address City State ZIP Municipality  County  Facility Contact Name Title					
d. Volume of waste shipped to processing or disposal facility in the previous year.  278					
278					
b. Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality County  C. Facility Contact Name Title	(check one)				
Address Line 1 Address Line 1 Address City State ZIP Municipality County C. Facility Contact Name Title					
Address Line 1 Address Line 1 Address City State ZIP Municipality County Facility Contact Name Title					-
Address Line 1 Address City State ZIP Municipality County  Facility Contact Name Title		-	-		
Municipality County  5. Facility Contact Name Title					
Municipality County  5. Facility Contact Name Title					
Title		-			
Title		-			-
Phone Email Address					
Filone Email Address					
Volume of waste shipped to processing or disposal facility in the previous year.		_	-		-
cu yd gal lb ton	(check one)				
2. BENEFICIAL USE		_	,	F 7	400
Has the waste been approved for beneficial use?		П,	Yes	× 1	10
If "Yes", list the general permit number or approval number.					
b. Volume of waste beneficially used in the previous year.  Cu yd Gal Ib ton					

			SECTIO	N D. CERTIFIC	ATI	ON
Repo	ort and all attached do ining the information,	cuments I verify lat the s	and that based that the submit ubmission of fal	d upon my inquiry ted information is se information here	of the true, ein is	r with the information submitted in this Annual nose individuals immediately responsible for , accurate and complete to the best of my made subject to the penalties of 18 Pa. C.S. mprisonment.
Che	ck the following, if applic	able:				
	I certify the informati		ired in Section E	3-1, General Proper	rties	was supplied to the Department for the year
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the information		ired in Section E	3-2, Chemical Analy	ysis v	was supplied to the Department for the year
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the informatio			, Process Description	on an	nd Schematic, was supplied to the Department
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
Name	e of Responsible Official			Title	9 1	Environmental Specialist
Dina	Brown		40			
Signa	ature 1	31	802	Date	e	2/25/4



typed each	or legit	ust be fully and accurately ply printed in the spaces pr d sheet as Form 26R, ref e date on attached sheets i	ovided. If additional specified in the second second in the second secon	pace is necessary, identi per and identify the da	fy Date	DEP U			Votes
Gene	ral Refe	rence 287.54			4				
Date I	Prepare	d/Revised Februa	ary 11, 2011						
			LIENT (GENERATO	R OF THE WASTE) IN	FORMAT	ION			
	any Na								
		ergy USA Inc. y, Name of Parent Compan	v			EPA G	Sener	ator II	)#
		ergy Inc.				N/A			
		iling Address Line 1	C	Company Mailing Addres	s Line 2				
1211 60 00 11	ennwood	d Place dress Last Line - City	State	Zip+4	Phone			Ex	
	endale	dress Last Line - Oity	PA	15086		14-530	0	LA	
	any Co	ntact Last Name	First Name Dina	MI		Suffix			
	cipality			County					
	endale	e Ext C	ontact Email Address	Allegheny			-		
	814-53		ybrown@talismanusa.	com					
		enerated at the Company I					Yes	X	No
		be location of waste genera							
	l gas at	the (03-067) O well pa orarily stored in tanks onsite.	d site located at 945 Hul	slander Road, Columbia T	ownship, Bra	adford C	ounty	PA.	The
	ipality	Columbia	County Bradf	ord	Sta	te	PA		
		S	ECTION B. WAST	TE DESCRIPTION					
	idual	Residual	[TTTTTTT]		Unit of			Tim	
	Code	Code Des	cription	Amount	Measur cu yd	gal		Fram	ie
802		Brine and Wastewater		1,058		⊠ ton		One	Time
	_		1. GENERAL F						
a.	pH Ra		to 7	(based on analyses or kn	iowledge)				
b.	Physic	cal State	Liquid Waste (EPA Mo Solid (EPA Method 90 Gas (ambient tempera	95)					
C.	Physic	cal Appearance C	olor Translucent y		Hydroc	arbon			
				d Phases of Separation	One				
			2. CHEMICAL ANALY	SIS ATTACHMENTS			-		
a.	110000	sults of a detailed chemica ctions, is attached.	I characterization of th	e waste, as described in	the	⊠ `	Yes		No
b.		iled description of the was				× ×	Yes		No
C.	The quattach	uality assurance/quality cor ed.	ntrol procedures emplo	yed by the laboratory(ie	s) is		Yes		No
d.	2141 - A.S.	sults of the hazardous was		T 2 A 2 CA 2 A 2 CA 2 CA 2 CA 2 CA 2 CA		-	Yes		No
е.		icable, a detailed explanati actual chemical analysis is		enerator knowledge in	Yes		No		N/A

		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTACHMEN	15			
a.	A detailed description of t the waste, as specified in		pollution control processes ned.	producing	$\boxtimes$	Yes	No
b.	A schematic of the manufa as specified in the instruc		control processes producing	the waste,	$\boxtimes$	Yes	No
c.	If portions of the informati a confidentiality claim, as		ential, the substantiation for ions, is attached.	Yes		No	N/A
	SEC	TION C. MANAGE	MENT OF RESIDUAL V	NASTE			
			R DISPOSAL FACILITY(IES)				
The	area below (ad.) will accomm	nodate the identification	of two facilities. Attach addit	ional sheets	if ned	cessary	
a.	Solid waste permit numbe MDD980555189	r(s) for processing or dis	sposal facility being utilized.				
b.	Facility Name	Clean Harbors of B	altimore				
	Address Line 1	1910 Russell St					
	Address Line 1	THE LEWIS CO.					
	Address City State ZIP	Baltimore	MD	21230			
	Municipality	Baltimore	County				
c.	Facility Contact Name Title						
	Phone	410-244-8200	Email Address				
d.	Volume of waste shipped 1,058	to processing or disposa	I facility in the previous year.	(check one	)		
a.	Solid waste permit numbe	r(s) for processing or dis	posal facility being utilized.				
b.	Facility Name				-		-
	Address Line 1						
	Address Line 1						
	Address City State ZIP						
	Municipality		County				
	mamorpanty						_
c.	Facility Contact Name						
c.		-					-
c.	Facility Contact Name		Email Address				
	Facility Contact Name Title Phone	to processing or disposa	Email Address				
	Facility Contact Name Title Phone	cu yd gal	Email Address I facility in the previous year.  □ lb □ ton	(check one	)		
c.	Facility Contact Name Title Phone Volume of waste shipped to	cu yd gal	Email Address I facility in the previous year.		)	V.	
	Facility Contact Name Title Phone Volume of waste shipped to	cu yd gal  2. BE ved for beneficial use?	Email Address I facility in the previous year.  Ib ton  NEFICIAL USE		)	Yes	No
d.	Facility Contact Name Title Phone Volume of waste shipped to	cu yd gal  2. BE ved for beneficial use? ermit number or approval	Email Address I facility in the previous year.    lb   ton   NEFICIAL USE		)	Yes	No

			SECTION D. CERTIFICATION
Repo obta know	ort and all attached doctining the information, I viedge. I understand that	uments verify t the s	have personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Chec	k the following, if applica	ble:	
	I certify the information	100000000000000000000000000000000000000	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information		red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:	_	
	I certify the information for the year and I		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name	e of Responsible Official		Title Environmental Specialist
Dina	Brown		4.0
Signa	ature	9	Date 2/25/11

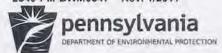


	rm must be fully							JSE O		
each a	or legibly printed in ttached sheet as ed. The date on att	Form 26R,	reference the iten	n number a	nd identify the	atify Da	ite Receive	d & Ge	neral N	otes
Genera	Reference 287.54									
Date Pr	epared/Revised	Feb	ruary 11, 2011							
	SEC		CLIENT (GENE	RATOR OF	THE WASTELL	NEORMA	TION			
Compa	ny Name	1101111	OLILIA (OLIAL	TON OF	THE WAOTE)	VI OIVIIII	11011	-	-	
	an Energy USA Inc	o								
	sidiary, Name of P	arent Comp	any					Genera	ator ID	#
	an Energy Inc.	11. 4					N/A			
	ny Mailing Address nwood Place	Line 1		Compa	any Mailing Addre	ess Line 2				
	ny Address Last Li	ne - City		State	Zip+4	Phon	e	_	Ext	
Warren				PA	15086	81,000,000	814-530	0		
Compa	ny Contact Last Na	me	First Name		MI		Suffix			
Brown			Dina							
Municip				Coun	•					
Warren		F.4	C 4 4 F 11 A 1	Alleg	heny					
	t Phone 14-5321	Ext	Contact Email Add dybrown@talisma	min no						
	aste generated at t	he Compan			912	_		Yes	X	No
	describe location o					e drilling, co				
	gas at the DCNR 58									
waste is	temporarily stored i	n tanks onsit	e.							
Municip	pality Ward		County	Tioga			tate	PA		
			SECTION B.	WASTE D	ESCRIPTION					
Resid	47/3/20 ml		ial Waste		Account	Unit	-		Time	
Waste (		A. In the second	escription		Amount	Meas cu yd	gal		Fram	9
802	Brine and \	Vastewater		2,1	31		⊠ ton		One T	ime
			1. GEN	IERAL PROPE	RTIES					
a.	pH Range	6	to 7		ed on analyses or	knowledge)				
	Physical State		Liquid Waste ( Solid (EPA Me Gas (ambient	ethod 9095)						
C.	Physical Appearan	ce		ucent yellow			carbon			
			Number of Solid of	STATE OF STREET		One One				
			Describe each pha	ase of separa	ation. Liquid					
-			2. CHEMICAL	ANALYSIS A	TTACHMENTS			-		
a.	The results of a de	tailed chem	17.7 (CANDESCE 1937-1955) IL	A THE PROPERTY OF THE PARTY OF	ELL CONTROL OF THE PARTY OF THE	n the		Yes		No
	instructions, is atta									
	A detailed descript									No
	The quality assurar attached.	nce/quality	control procedures	employed b	y the laboratory(	les) is	$\boxtimes$	Yes		No
	The results of the I	nazardous w	raste determination	n is attached			X	Yes		No
	If applicable, a deta		TO A SECOND LANGUAGE TO SECOND SECOND	STATE OF STA		☐ Yes	Personal	No		N/A
	lieu of actual chem				- Anna construid S. III			100		

a.				A CONTRACTOR OF THE CONTRACTOR				
	A detailed description of the the waste, as specified in the			esses producing		Yes		No
э.	A schematic of the manufa as specified in the instruct		ontrol processes pro	oducing the waste,		Yes		No
G.	If portions of the informati a confidentiality claim, as			on for Yes		No		N/A
	SEC.	TION C. MANAGEM	ENT OF RESID	UAL WASTE				
		1. PROCESSING OR	DISPOSAL FACILITY	IES)				
The a	area below (ad.) will accomm	nodate the identification of	two facilities. Attac	h additional sheets	if nec	essary		
a.	Solid waste permit number 101508	r(s) for processing or disp	osal facility being ut	ilized.	÷			
0.	Facility Name	PA Brine						
	Address Line 1	5148 US 322						
	Address Line 1							
	Address City State ZIP	Franklin	PA	16323				
	Municipality	Franklin	County	Venango				
3.	Facility Contact Name	Elton DeLong						
	Title	Plant Manager						
	Phone	(814) 437-3593	Email Address	info@pabrine.co	m			
d.	Values of wests ablanted t	a anabasatan na dianasat i	- 110 V V V V V V V V V V V V V V V V V V	0.00000			-	-
	327	cu yd gal	acility in the previou	n (check one)	1			
		cu yd gal	☐ lb 🛛 to	n (check one)				
а.	327 Solid waste permit number	cu yd gal	☐ lb ☑ to	n (check one)				
а.	327 Solid waste permit number 0008451	cu yd gal	☐ lb ☑ to	n (check one)	Y			
а.	327 Solid waste permit number 0008451 Facility Name Address Line 1 Address Line 1	cu yd gal r(s) for processing or disp Sunbury Generation	☐ lb ☑ to	ilized.	V			
а.	327 Solid waste permit number 0008451 Facility Name Address Line 1 Address City State ZIP	cu yd gal r(s) for processing or disp Sunbury Generation Old Trail Road	□ lb ☑ to psal facility being ut  Wastewater Treatm  PA	ilized.  Jent Facility  17876				
1.	327 Solid waste permit number 0008451 Facility Name Address Line 1 Address Line 1	cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517	☐ lb ☑ to psal facility being ut	ilized.				
a. b.	327 Solid waste permit number 0008451 Facility Name Address Line 1 Address City State ZIP	Cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam	□ lb ☑ to psal facility being ut  Wastewater Treatm  PA	ilized.  Jent Facility  17876				
a. b.	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	Cu yd gal r(s) for processing or disp Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam Shamokin Dam	□ lb ☑ to psal facility being ut  Wastewater Treatm  PA	ilized.  Jent Facility  17876				
a. o.	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped t	Cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam Shamokin Dam Sheldon Kowaleski (570) 884-1235 o processing or disposal f	□ Ib ☑ to psal facility being ut  Wastewater Treatm  PA County  Email Address  acility in the previous	ilized.  lent Facility  17876  Snyder				
).	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone	cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam Shamokin Dam Sheldon Kowaleski  (570) 884-1235 o processing or disposal for cu yd gal	Disal facility being utions and facility being utions.  Wastewater Treatment PA County  Email Address acility in the previous to the previous	ilized.  lent Facility  17876  Snyder				
a. b.	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped t 1,669	cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam Shamokin Dam Sheldon Kowaleski  (570) 884-1235 o processing or disposal for cu yd gal	□ Ib ☑ to psal facility being ut  Wastewater Treatm  PA County  Email Address  acility in the previous	ilized.  lent Facility  17876  Snyder				
a. o.	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped t	cu yd gal r(s) for processing or disp  Sunbury Generation Old Trail Road P.O. Box 517 Shamokin Dam Shamokin Dam Sheldon Kowaleski  (570) 884-1235 o processing or disposal for cu yd gal	Disal facility being utions and facility being utions.  Wastewater Treatment PA County  Email Address acility in the previous to the previous	ilized.  lent Facility  17876  Snyder		Yes		No
a.	Solid waste permit number 0008451  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped t 1,669	Cu yd	Disal facility being utions at facility being utions at facility being utions.  Wastewater Treatment PA County  Email Address acility in the previous b to the facility in the previous continuous to the previous continuous c	ilized.  lent Facility  17876  Snyder		Yes		No

		3. PROCESS DESCRIPTIO	N & SCHEMATIC ATTA	CHMENTS		
a.	A detailed description of the waste, as specified in the			esses producing	⊠ Yes	□ No
b.	A schematic of the manufa as specified in the instruct		control processes pro	ducing the waste,	⊠ Yes	□ No
C.	If portions of the informati a confidentiality claim, as			on for Yes	□ No	⊠ N/A
	SEC	TION C. MANAGEN	MENT OF RESIDU	JAL WASTE		
			DISPOSAL FACILITY(II			
The	area below (ad.) will accomn	nodate the identification of	f two facilities. Attacl	n additional sheets	if necessary	1.
a.	Solid waste permit number MDD980555189	(s) for processing or disp	oosal facility being uti	lized.		
b.	Facility Name	Clean Harbors of Ba	altimore			
	Address Line 1	1910 Russell St				
	Address Line 1					
	Address City State ZIP	Baltimore	MD	21230		
	Municipality	Baltimore	County			
c.	Facility Contact Name Title					
	Phone	410-244-8200	Email Address			
d.	Volume of waste shipped t 113	o processing or disposal cu yd gal	facility in the previous			
a.	Solid waste permit number 0102784	(s) for processing or disp	oosal facility being util	ized.		
b.	Facility Name	Waste Treatment Co	orp. Warren County			
	Address Line 1	341 West Harmar S				
	Address Line 1					
	Address City State ZIP	Warren	PA	16365		
	Municipality	Warren	County	Warren		
C.	Facility Contact Name	Rich Gorton				
	Title					
	Phone	814-726-1500	Email Address	info@waste-trea	tment.net	
d.	Volume of waste shipped to 22	o processing or disposal	facility in the previous			
			EFICIAL USE			
a.	Has the waste been approv				Yes	⊠ No
	If "Yes", list the general pe					
b.	Volume of waste beneficial	ly used in the previous ye cuyd gal	ear.	(check one)		
				A CHARLES		

7			SECTION	D. CERTIFICAT	TION
Repo obta know	ort and all attached docu	uments verify t the s	and that based that the submitte ubmission of false	upon my inquiry of ed information is true information herein	iar with the information submitted in this Annual those individuals immediately responsible for ue, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. I imprisonment.
Chec	ck the following, if applica	ble:			
	I certify the information and has not char		red in Section B-	1, General Properties	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information and has not char		red in Section B-	2, Chemical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I		DOWN THE THE PARTY OF THE PARTY	Process Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
	7.00		Other (specify)		
	Date Submitted:				
Nam	e of Responsible Official			Title	Environmental Specialist
Dina	Brown		11.0		
Sign	ature A	51	8	Date	2/25/4
		2			



typed each	or legit	oly printed in the spaces d sheet as Form 26R,	tely completed. All req provided. If additional s reference the item num ts needs to match the dat	pace is necessary, ider ber and identify the o	tify D	DEP I		ONLY eneral Notes
		rence 287.54						
Date I	Prepare	d/Revised Feb	oruary 11, 2011		- 1			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) II	NFORMA	ATION		
	any Na	ne						
		ergy USA Inc.						
		y, Name of Parent Comp	any				Gener	ator ID#
		ergy Inc.		Company Mailing Addre	ee line 2	N/A	_	
CONTRACTOR ST.	nnwood			company maining Additi	33 Lilie 2			
		dress Last Line - City	State	Zip+4	Phor	ie		Ext
	endale		PA	15086	(724	) 814-530		
The state of the s		ntact Last Name	First Name Dina	MI		Suffix	K	
Brown	ipality		Dilla	County	_		-	_
The second secon	endale			Allegheny				
	ct Phon	e Ext	Contact Email Address	, mognony				
(724)	814-53	21	dybrown@talismanusa	.com				
If 'No'	, descri	be location of waste gen	y Mailing Address (noted eration and storage. Was Il pad site located at 374 Fo	ste is generated from the		npletion, a		
waste		orarily stored in tanks onsi Ward				State	PA	
			SECTION B. WAS					
Res	idual	Residu	ual Waste		Unit	of		Time
Waste	Code	Code D	escription	Amount	Meas			Frame
802		Brine and Wastewater		85	☐ cu yd	☐ gal		One Time
			1. GENERAL	PROPERTIES		22 (01)		One time
a.	pH Ra	nge 6	to 7	(based on analyses or	knowledge)			
b.		cal State		flethod 9095) 095) rature & pressure)				
C.	Physic	cal Appearance	Color Translucent			ocarbon		
			Number of Solid or Liqu		n One			
			Describe each phase of	separation. Liquid		_		
-			2. CHEMICAL ANAL	YSIS ATTACHMENTS				
а.		sults of a detailed chem ctions, is attached.	ical characterization of the	A P. A. B. S.	n the		Yes	□ No
b.			aste sampling method is	attached.			Yes	□ No
C.		uality assurance/quality	control procedures empl		ies) is	-	Yes	☐ No
d.			vaste determination is att	tached.		$\boxtimes$	Yes	☐ No
e.		icable, a detailed explan actual chemical analysi	ation supporting use of g	generator knowledge in	☐ Yes	s 🗍	No	⊠ N/A

		3. PROCESS DESCRIPTION	& SCHEMATIC ATTA	CHMENTS			
a.	A detailed description of the the waste, as specified in the			esses producing		☐ No	
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.						
C.	If portions of the information a confidentiality claim, as			on for Yes	☐ No	⊠ N/A	
	SEC	TION C. MANAGEM	ENT OF RESIDI	JAL WASTE			
			DISPOSAL FACILITY(I				
The a	area below (ad.) will accomm				if necessary		
a.	Solid waste permit number(s) for processing or disposal facility being utilized. 0102784						
b.	Facility Name	Waste Treatment Co	orp. Warren County				
	Address Line 1	341 West Harmar St					
	Address Line 1						
	Address City State ZIP	Warren	PA				
	Municipality	Warren	County	Warren			
C,	Facility Contact Name Title	Rich Gorton					
	Phone	814-726-1500	Email Address	infor@waste-trea	atment.net		
d.	Volume of waste shipped t 85	o processing or disposal	facility in the previou		)		
a.	Solid waste permit number	r(s) for processing or disp	osal facility being uti	lized.			
b.	Facility Name						
	Address Line 1						
	Address Line 1						
	Address City State ZIP						
	Municipality		County				
c.	Facility Contact Name						
	Title						
	Phone		Email Address				
d.	Volume of waste shipped to	o processing or disposal	facility in the previou		)		
			EFICIAL USE	3-11-110-1110			
a.	Has the waste been approv		ELICIAL DSE		Yes	⊠ No	
	If "Yes", list the general pe		umber			ZZ 110	
b.	Volume of waste beneficial						
	volume of waste beneficial	cu yd gal	☐ Ib ☐ to	n (check one)			

			SECTIO	N D. CERTIFICAT	ION
Repo obtain know	rt and all attached docu	uments verify t the s	and that base that the submi ubmission of fa	d upon my inquiry of tted information is tru lse information herein	ar with the information submitted in this Annual those individuals immediately responsible for e, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. imprisonment.
Check	the following, if applica	ble:			
	I certify the information and has not char		red in Section	B-1, General Properties	was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information and has not char		red in Section	B-2, Chemical Analysis	was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I			3, Process Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	of Responsible Official			Title	Environmental Specialist
Dina	Brown		1 -		*
Signa	ture	Si	Usz	Date	2/25/4



This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identified each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.						DEP USE ONLY  Date Received & General Notes			
Gener	ral Refe	rence 287.54							
Date F	Prepare	d/Revised Febr	ruary 11, 2011						
Par Da		The state of the s	CLIENT (GENERATO	R OF THE WASTE) IN	IFORMA	TION			
	any Na	me ergy USA Inc.							
		y, Name of Parent Compa	iny			EPA (	Gener	ator ID#	
Talisn	man En	ergy Inc.				N/A			
	any Mai	iling Address Line 1		Company Mailing Addres	ss Line 2				
10000		dress Last Line - City	State	Zip+4	Phon	e	_	Ext	
Warre	endale		PA	15086	(724)	814-530		10000	
		ntact Last Name	First Name	MI		Suffix	(		
Brown	ipality		Dina	County	-		-		
	endale			Allegheny					
	ct Phon		Contact Email Address	200					
	814-53 waste o	21 jenerated at the Company	dybrown@talismanusa				Yes	⊠ No	
		be location of waste gene			drilling, co				
		the DCNR 587 02-005 well	pad site located at 151 C	arey Road, Ward Townshi	p, Bradford	County, F	PA. T	he waste is	
	rarily sto	ored in tanks onsite. Ward	County Tioga	9	s	tate	PA		
		2.000	SECTION B. WAS						
	idual	Residua	al Waste		Unit	of		Time	
Waste	Code	Code De	escription	Amount	Meas	-		Frame	
802		Brine and Wastewater		259	☐ cu yd ☐ lb	☐ gal		One Time	
			1. GENERAL	PROPERTIES					
a.	pH Ra								
b.	m		to 7	(based on analyses or k	nowledge)				
	Physic	cal State		(based on analyses or k lethod 9095) 095)	nowledge)				
c.		cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent)	(based on analyses or k lethod 9095) 095) rature & pressure) yellow/brown Odo	r Hydro	ocarbon			
c.		cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu	(based on analyses or k lethod 9095) 095) rature & pressure) yellow/brown Odo id Phases of Separation	r Hydro	ocarbon			
C.		cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent)	(based on analyses or k lethod 9095) 095) rature & pressure) yellow/brown Odo id Phases of Separation	r Hydro	ocarbon			
C.		cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu	(based on analyses or k lethod 9095) 095) rature & pressure) yellow/brown Odo id Phases of Separation separation. Liquid	r Hydro	ocarbon			
с.	Physical Phy	cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu Describe each phase of  2. CHEMICAL ANALY	(based on analyses or k lethod 9095) 095) rature & pressure) yellow/brown Odo id Phases of Separation separation. Liquid	r Hydro One			□ No	
	Physical The reinstruit A detail	cal State cal Appearance esults of a detailed chemic ctions, is attached. iiled description of the wa	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu Describe each phase of 2. CHEMICAL ANALY cal characterization of the	(based on analyses or k lethod 9095) 095) rature & pressure) rellow/brown Odo id Phases of Separation separation. Liquid rSIS ATTACHMENTS he waste, as described in	one Hydro		Yes	□ No	
a.	The reinstru A deta	cal State cal Appearance esults of a detailed chemic ctions, is attached. alled description of the wa	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu Describe each phase of 2. CHEMICAL ANALY cal characterization of the	(based on analyses or k lethod 9095) 095) rature & pressure) rellow/brown Odo id Phases of Separation separation. Liquid rSIS ATTACHMENTS he waste, as described in	one Hydro				
a. b.	The reinstru A deta The quattach	cal State cal Appearance esults of a detailed chemic ctions, is attached. alled description of the wa	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient temper Color Translucent ) Number of Solid or Liqu Describe each phase of 2. CHEMICAL ANALY cal characterization of the	(based on analyses or k lethod 9095) 095) rature & pressure) rellow/brown Odo id Phases of Separation separation. Liquid rSIS ATTACHMENTS ne waste, as described in attached. oyed by the laboratory(in	one Hydro	X   X   X   X   X   X   X   X   X   X	Yes	□ No	

a.		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTACHME	NTS				
	A detailed description of the the waste, as specified in t		pollution control processes ned.	producing		Yes		No
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.							
c.	If portions of the information a confidentiality claim, as of		ential, the substantiation for ions, is attached.	Yes		No		N/A
	SEC		MENT OF RESIDUAL	WASTE				
The	area below (ad.) will accomm		R DISPOSAL FACILITY(IES) of two facilities. Attach addi	tional sheets	if nec	essarv		-
a.			posal facility being utilized.					
b.	Facility Name	Clean Harbors of B	altimore					
	Address Line 1	1910 Russell St						
	Address Line 1							
	Address City State ZIP	Baltimore	MD	21230				
	Municipality	Baltimore	County					
C.	Facility Contact Name							
	Title							
	Phone	(410) 244-8200	Email Address					
d.	Volume of waste shipped to 259	o processing or disposa	I facility in the previous year	(check one)				
a.								
	Solid waste permit number	(s) for processing or dis	posal facility being utilized.					
	Solid waste permit number	(s) for processing or dis	posal facility being utilized.					
		r(s) for processing or dis	posal facility being utilized.					
	Facility Name	r(s) for processing or dis	posal facility being utilized.					
	Facility Name Address Line 1 Address Line 1 Address City State ZIP	r(s) for processing or dis						
	Facility Name Address Line 1 Address Line 1	r(s) for processing or dis	posal facility being utilized.  County					
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP	r(s) for processing or dis						
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	r(s) for processing or dis						
b. с.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name	r(s) for processing or dis						
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone		County	(check one)				
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	o processing or disposa □ cu yd □ gal	County  Email Address I facility in the previous year					
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	o processing or disposa □ cu yd □ gal 2. BE	County  Email Address I facility in the previous year			Yes		No
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	o processing or disposa  cu yd gal  2. Be red for beneficial use?	County  Email Address I facility in the previous year  □ lb □ ton  NEFICIAL USE			Yes		No

			SECTION D. CERTIFICATION
Repo obta knov	ort and all attached docu ining the information, I viedge. I understand that	ments verify the s	ave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Chec	k the following, if applica	ble:	
	I certify the information and has not char	and the state of t	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information		red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information for the year and I		d in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name	e of Responsible Official		Title Environmental Specialist
Dina	Brown		fr.
Sign	ature		3/15m Date 2/25/4



typed each	or legit	ly printed in the spaces d sheet as Form 26R,	tely completed. All requestion provided. If additional spaces are free numbers are the date of the date.	pace is necessary, identif per and identify the date	y Date Receive	USE ONLY ed & General Notes
Gener	al Refe	rence 287.54				
Date F	repare	d/Revised Feb	oruary 11, 2011			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) INF	ORMATION	
	any Nar					
		ergy USA Inc.			EDA	Generator ID#
		y, Name of Parent Comp ergy Inc.	any		N/A	Generator ID#
Comp		ling Address Line 1	C	Company Mailing Address		
		dress Last Line - City	State	Zip+4	Phone	Ext
	endale		PA	15086	(724) 814-530	
Comp		ntact Last Name	First Name Dina	MI	Suffi	(
The second secon	ipality			County		
	endale			Allegheny		
Ultra Cara Anni	ct Phon		Contact Email Address	V254		
	814-53		dybrown@talismanusa. y Mailing Address (noted			Yes No
If 'No'	, descri	be location of waste gen	eration and storage. Was Il pad site located at 2283 R	te is generated during the c	frilling, completion,	and production of
	rarily sto	ored in tanks onsite. Ward	County Tioga		State	PA
		1,7,5,0	SECTION B. WAST			
Resi	idual	Resido	ial Waste		Unit of	Time
Waste	Code	Code D	escription	Amount	Measure	Frame
802		Brine and Wastewate		193	cu yd  gal	One Time
			1. GENERAL F	PROPERTIES		
a.	pH Ra	nge 6	to 7	(based on analyses or kno	wledge)	
b.	Physic	cal State	☐ Solid (EPA Method 90☐ Gas (ambient tempera	95)		
C.	Physic	cal Appearance	Color Translucent y		Hydrocarbon	
			Number of Solid or Liqui	The second secon	One	
			Describe each phase of s	separation. Liquid		
			2. CHEMICAL ANALY	SIS ATTACHMENTS		
a.		sults of a detailed chem ctions, is attached.	ical characterization of the	e waste, as described in t	he 🗵	Yes No
b.			aste sampling method is	attached.		Yes No
C.	The quattach		control procedures emplo	yed by the laboratory(ies	) is 🛛	Yes No
d.			vaste determination is atta	sched.		Yes No
e.		icable, a detailed explan actual chemical analysi	ation supporting use of gos is attached.	enerator knowledge in	Yes	No 🛛 N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	100			
a.		ne manufacturing and/or pollution control processes producing the instructions, is attached.	⊠ Yes		No	
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes   No as specified in the instructions, is attached.					
C.		on submitted are confidential, the substantiation for Yes described in the instructions, is attached.	☐ No		N/A	
	SEC	1. PROCESSING OR DISPOSAL FACILITY(IES)				
The a	area below (ad.) will accomm	odate the identification of two facilities. Attach additional sheets if	necessar	y.		
a.	Solid waste permit number MDD980555189	(s) for processing or disposal facility being utilized.				
b.	Facility Name	Clean Harbors of Baltimore				
	Address Line 1	1910 Russell St				
	Address Line 1					
	Address City State ZIP	Baltimore MD 21230				
	Municipality	Baltimore County				
C.	Facility Contact Name Title				_	
	Phone	(410) 244-8200 Email Address			_	
4						
d.	103	o processing or disposal facility in the previous year.  Cuyd gal lb Ston (check one)				
a.	Solid waste permit number	(s) for processing or disposal facility being utilized.				
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin PA 16323				
	Municipality	Franklin County Venango				
c.	Facility Contact Name	Elton Delong				
	Title	70.00				
	Phone	(814) 437-3593 Email Address info@pabrine.com				
d.	Volume of waste shipped t 90	processing or disposal facility in the previous year.  cu yd gal lb ston (check one)				
		2. BENEFICIAL USE				
a.	Has the waste been approv		Yes		No	
	If "Yes" list the general ne	rmit number or approval number.				
		ly used in the previous year.				

			SECTION D. CERTIFICATION
Rep obta know	ort and all attached docu ining the information, I wledge. I understand tha	uments verify t the s	ave personally examined and am familiar with the information submitted in this Annua and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of mubmission of false information herein is made subject to the penalties of 18 Pa. C.S on to authorities, which include fine and imprisonment.
Che	ck the following, if applica	ble:	
	I certify the information		red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not char	1	red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information for the year and I		ed in Section B-3, Process Description and Schematic, was supplied to the Departmen changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Nam	e of Responsible Official		Title Environmental Specialist
Dina	Brown		
Sign	ature Ah		700 Date 2/25/11



			ately completed. All rec					ONLY
each	attache	d sheet as Form 26R,	s provided. If additional a reference the item nur ets needs to match the da	nber and identify the		ate Receive	ed & G	eneral Notes
Gene	ral Refe	rence 287.54						
Date	Prepare	d/Revised Fe	bruary 11, 2011					
		SECTION A.	CLIENT (GENERATO	OR OF THE WASTE) I	NFORM	ATION		
	any Na							
		ergy USA Inc.	uu uu			CDA	Cana	rator ID#
		y, Name of Parent Comp ergy Inc.	bany			N/A	Gene	ator ID#
		iling Address Line 1		Company Mailing Addre	ess Line 2	IN/A	-	
	ennwood			oumpany maning man				
		dress Last Line - City	State		Phor	ie		Ext
	endale		PA	15086	(724	814-530		
the facilities of the	Action to the second	ntact Last Name	First Name	MI		Suffix	(	10
Brown	ipality		Dina	County			_	
	endale			Allegheny				
	ct Phon	e Ext	Contact Email Address					
(724)	814-53	21	dybrown@talismanusa	a.com				
			ny Mailing Address (note				Yes	⊠ No
			neration and storage. Wa					
		the DCNR 587 02-009 we bred in tanks onsite.	Il pad site located at 2499	River Road, Ward Towns	hip, Bradfor	d County,	PA. 1	he waste is
	ipality	Ward	County Tiog	ia	5	tate	PA	
11/2010		77 01 0	SECTION B. WAS				1.73	
Res	idual	Resid	ual Waste	TE DECORM TION	Unit	of		Time
	Code	L BOYLONG	escription	Amount	Meas			Frame
802		Brine and Wastewate	r	25	u cu yd	gal		
		2,1110, 0119, 1139,111,010		PROPERTIES	□ lb	⊠ ton	Ш	One Time
2	nH Da	and the same of th	1 (4FNFRAI	DDUDEDLIES				
a. b.	prina	ngo C			(nourladge)		_	
υ.		nge 6	to 7	(based on analyses or	knowledge)			
		nge 6 cal State	to 7  Liquid Waste (EPA M  Solid (EPA Method 9	(based on analyses or Method 9095) 9095)	knowledge)			
C.	Physic		to 7  Liquid Waste (EPA N  Solid (EPA Method 9  Gas (ambient tempe	(based on analyses or Method 9095) 9095) rature & pressure)		ocarbon		
C.	Physic	cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient tempe Color Translucent	(based on analyses or Method 9095) 9095) rature & pressure)	or Hydr	ocarbon		
C.	Physic	cal State	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient tempe Color Translucent	(based on analyses or Method 9095) 9095) erature & pressure) yellow/brown Od- uid Phases of Separation	or Hydr	ocarbon		
C.	Physic	cal State	to 7  Liquid Waste (EPA Method 9  Gas (ambient tempe  Color Translucent  Number of Solid or Liquid  Describe each phase of	(based on analyses or Method 9095) 9095) Prature & pressure) yellow/brown Oduid Phases of Separation	or Hydr	ocarbon		
	Physic	cal State	to 7  Liquid Waste (EPA No. 1)  Solid (EPA Method 9)  Gas (ambient tempe Color Translucent Number of Solid or Liquid Describe each phase of 2. CHEMICAL ANAL.	(based on analyses or Method 9095) 9095) rature & pressure) yellow/brown Oduid Phases of Separation f separation. Liquid	or Hydr one		V-	
с.	Physical Phy	cal State cal Appearance sults of a detailed chem ctions, is attached.	to 7  Liquid Waste (EPA Mathod Solid (EPA Method Solid (EPA Method Solid (EPA Method Solid or Liquid Solid or Liquid Describe each phase of CHEMICAL ANALical characterization of the control of the cont	(based on analyses or Method 9095) 9095) rature & pressure) yellow/brown Oduid Phases of Separation f separation. Liquid  YSIS ATTACHMENTS he waste, as described	or Hydr one		Yes	□ No
	Physical Phy	cal State cal Appearance sults of a detailed chem ctions, is attached. iiled description of the w	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient tempe ColorTranslucent Number of Solid or Liqu Describe each phase of  2. CHEMICAL ANAL ical characterization of to	(based on analyses or Method 9095) 9095) Frature & pressure) yellow/brown Oduid Phases of Separation separation. Liquid YSIS ATTACHMENTS he waste, as described in attached.	or Hydrone One		Yes	□ No
a.	Physical Phy	cal State cal Appearance sults of a detailed chemotions, is attached. iiled description of the wallity assurance/quality	to 7  Liquid Waste (EPA Mathod Solid (EPA Method Solid (EPA Method Solid (EPA Method Solid or Liquid Solid or Liquid Describe each phase of CHEMICAL ANALical characterization of the control of the cont	(based on analyses or Method 9095) 9095) Frature & pressure) yellow/brown Oduid Phases of Separation separation. Liquid YSIS ATTACHMENTS he waste, as described in attached.	or Hydrone One			
a. b.	Physical Phy	cal State cal Appearance sults of a detailed chem ctions, is attached. iiled description of the w uality assurance/quality ed.	to 7  Liquid Waste (EPA M Solid (EPA Method 9 Gas (ambient tempe ColorTranslucent Number of Solid or Liqu Describe each phase of  2. CHEMICAL ANAL ical characterization of to	(based on analyses or Method 9095) 9095) Frature & pressure) yellow/brown Oduid Phases of Separation f separation. Liquid  YSIS ATTACHMENTS he waste, as described is attached. loyed by the laboratory(	or Hydrone One	X   X   X   X   X   X   X   X   X   X	Yes	□ No

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.	A detailed description of the waste, as specified in the	he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste, Yes No lions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
	3.0	Processing or Disposal Facility(ies)
The	area below (ad.) will accomn	nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility
	Address Line 1	Old Trail Road
	Address Line 1	P.O. BOX 517
	Address City State ZIP	Shamokin Dam PA 17876
	Municipality	Shamokin Dam County Snyder
c.	Facility Contact Name Title	Sheldon Kowaleski
	Phone	(570) 884-1250 Email Address
d.	25	to processing or disposal facility in the previous year.  Cu yd Gal Db Ston (check one)
a.	Solid waste permit number	r(s) for processing or disposal facility being utilized.
b.	Facility Name	
	Address Line 1	
	Address Line 1	
	Address City State ZIP	
	Municipality	County
c.	Facility Contact Name	
	Title	
	Phone	Email Address
d.	Volume of waste shipped t	o processing or disposal facility in the previous year.
ч.	volume of waste simpled t	cu yd gal lb ton (check one)
		2. BENEFICIAL USE
a.	Has the waste been approv	
a. b.	If "Yes", list the general pe	rmit number or approval number.  Ily used in the previous year.

			SECTION D. CERTIFICATION	
Repo obtai	ort and all attached docu ining the information, I viedge. I understand that	ments verify t the s	ave personally examined and am familiar with the information submitted in this Ann and that based upon my inquiry of those individuals immediately responsible that the submitted information is true, accurate and complete to the best of ubmission of false information herein is made subject to the penalties of 18 Pa. On to authorities, which include fine and imprisonment.	for my
Chec	k the following, if applica	ble:		
	I certify the information and has not char		red in Section B-1, General Properties was supplied to the Department for the y	ear
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the information and has not char		red in Section B-2, Chemical Analysis was supplied to the Department for the y	ear
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the information for the year and I		d in Section B-3, Process Description and Schematic, was supplied to the Departm changed.	ent
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
Name	e of Responsible Official		Title Environmental Specialist	
Dina	Brown	_		
Signa	ature	)~	SUS2 Date 2/25/4	



This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.						
Gene	ral Refe	rence 287.54				
Date	Prepare	d/Revised Fe	bruary 11, 2011			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) INF	ORMATION	
	pany Na	me				
		ergy USA Inc. y, Name of Parent Comp	agnu .		EDA	Generator ID#
1-0-30-00-00		ergy Inc.	Jany		N/A	Generator ID#
Comp	oany Ma	iling Address Line 1		Company Mailing Address		
	ennwoo		Otata	714	DE SUI	
	endale	dress Last Line - City	State PA	Zip+4 15086	Phone (724) 814-530	Ext
		ntact Last Name	First Name	MI	Suffin	
Brow		The same of the sa	Dina			
	cipality endale			County		
	act Phon	e Ext	Contact Email Address	Allegheny		
I I I TO SEE SEE SEE	814-53		dybrown@talismanusa.	.com		
			ny Mailing Address (noted			Yes No
If 'No	', descri	be location of waste ger	eration and storage. Was	ste is generated during the d allbrook Road, Ward Towns	rilling, completion,	and production of
		stored in tanks onsite.	ii pad site located at 1247 1	allolook Road, Wald Towns	snip, bradiord Cou	nty, FA. The waste
Munic	cipality	Ward	County Tioga		State	PA
			SECTION B. WAS	TE DESCRIPTION		
	idual e Code		ual Waste escription	Amount	Unit of Measure	Time Frame
	0000				cu yd gal	Traine
802		Brine and Wastewate		175	lb ⊠ ton	One Time
-	-11 0-		1. GENERAL		4.4.4	4 4 7 4
a. b.	pH Ra	nge 6 cal State	to 7  Liquid Waste (EPA M	(based on analyses or kno	wieage)	
<b>D</b> .	riiyan	sai State	Solid (EPA Method 90) Gas (ambient temper	095)		
C.	Physic	cal Appearance	Color Translucent y		Hydrocarbon	
			Number of Solid or Liqu		One	
			Describe each phase of	separation. Liquid		
		-	2. CHEMICAL ANALY	ISIS ATTACHMENTS		
a.		sults of a detailed chem ctions, is attached.		e waste, as described in the	he 🛛	Yes No
b.	A deta	iled description of the v	aste sampling method is			Yes No
C.	The quattach		control procedures emplo	oyed by the laboratory(ies)	is	Yes No
d.			vaste determination is atta		The state of the s	Yes No
е.		icable, a detailed explar actual chemical analysi	ation supporting use of g s is attached.	enerator knowledge in	Yes	No 🛛 N/A

	3. PROCESS DESCRIPTION	N & SCHEMATIC ATTA	CHMENTS	-		
			esses producing	⊠ Yes		No
		ontrol processes pro	ducing the waste,	⊠ Yes		No
If portions of the information a confidentiality claim, as	on submitted are confide described in the instruction	ntial, the substantiations, is attached.	on for Yes	□ No		N/A
SEC	TION C. MANAGEN	IENT OF RESID	UAL WASTE			
				if necessary	/.	
Solid waste permit number 101508	(s) for processing or disp	osal facility being uti	lized.			
Facility Name	PA Brine					
Address Line 1	5148 US 322					
		County	venango			
	Elton DeLong					_
2677	(814) 437-3503	Fmail Address	info@nahrine co	m		-
				(1)		
41	cu yd gal	☐ Ib ⊠ to	n (check one)			
Solid waste permit number 0102784	(s) for processing or disp	osal facility being uti	lized.			
Facility Name	Waste Treatment Co	orp. Warren County				
Address Line 1	341 West Harmar S	reet				
Address Line 1						
The state of the s						
		County	Warren			
1) Section of the Sec	Rich Gorton					
	(04.4) 700 4500	Paralli Addisor	170	(2) 3 of 2 of		
				ment.net		
Volume of waste shipped to 134	processing or disposal cuyd gal					
		EFICIAL USE				
Has the waste been approv	ed for beneficial use?			Yes		No
Volume of waste beneficial	ly used in the previous ye		n (check one)			
	the waste, as specified in the A schematic of the manufa as specified in the instruct. If portions of the informatic a confidentiality claim, as a SEC area below (ad.) will accommodate a solid waste permit number 101508  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to 41  Solid waste permit number 0102784  Facility Name Address Line 1 Address	A detailed description of the manufacturing and/or the waste, as specified in the instructions, is attached.  A schematic of the manufacturing and/or pollution of as specified in the instructions, is attached.  If portions of the information submitted are confider a confidentiality claim, as described in the instruction as specified in the instruction.  SECTION C. MANAGEN 1. PROCESSING OR area below (ad.) will accommodate the identification of solid waste permit number(s) for processing or display 101508  Facility Name PA Brine 5148 US 322  Address Line 1 Address City State ZIP Franklin Franklin  Facility Contact Name Elton DeLong Title Phone (814) 437-3593  Volume of waste shipped to processing or disposal 41 Cu yd gal Solid waste permit number(s) for processing or disposal 41 Address Line 1 Address Li	A detailed description of the manufacturing and/or pollution control process the waste, as specified in the instructions, is attached.  A schematic of the manufacturing and/or pollution control processes process specified in the instructions, is attached.  If portions of the information submitted are confidential, the substantiation a confidentiality claim, as described in the instructions, is attached.  SECTION C. MANAGEMENT OF RESIDION 1. PROCESSING OR DISPOSAL FACILITY(Instructions) are abolicy (ad.) will accommodate the identification of two facilities. Attacts of the second of two facilities and the instructions of two facilities. Attacts of the second of two facilities are abolicy (ad.) will accommodate the identification of two facilities. Attacts of the second of two facilities are abolicy (ad.) will accommodate the identification of two facilities. Attacts of the second of two facilities. Attacts of two facilities. Attacts of the substantial transfers	A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  If portions of the information submitted are confidential, the substantiation for a confidentiality claim, as described in the instructions, is attached.  SECTION C. MANAGEMENT OF RESIDUAL WASTE  1. PROCESSING OR DISPOSAL FACILITY(IES)  area below (ad.) will accommodate the identification of two facilities. Attach additional sheets  Solid waste permit number(s) for processing or disposal facility being utilized.  101508  Facility Name  Address Line 1  Address Line 1  Address City State ZIP  Franklin  PA  16323  Facility Contact Name  Elton DeLong  Title  Phone  (814) 437-3593  Email Address info@pabrine.co  Volume of waste shipped to processing or disposal facility in the previous year.  41  Guyd gal b ton (check one)  Solid waste permit number(s) for processing or disposal facility being utilized.  0102784  Facility Name  Address Line 1  Address City State ZIP  Municipality  Warren  Warren  County  Warren  Volume of waste shipped to processing or disposal facility in the previous year.  134  Guyd gal b ton (check one)  2. BENEFICIAL USE  Has the waste been approved for beneficial use?  If "Yes", list the general permit number or approval number.  Volume of waste beneficially used in the previous year.	A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  If portions of the information submitted are confidential, the substantiation for	A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.  If portions of the information submitted are confidential, the substantiation for Yes as specified in the instructions, is attached.  SECTION C. MANAGEMENT OF RESIDUAL WASTE  1. PROCESSING OR DISPOSAL FACILITY(IES)  area below (ad.) will accommodate the identification of two facilities. Attach additional sheets if necessary.  Solid waste permit number(s) for processing or disposal facility being utilized.  101508  Facility Name

Dina Brown

Signature

		SECTION D. CERTIFICATION	
Rep obta know	ort and all attached do ining the information, wledge. I understand the	that I have personally examined and am familiar with the information submitted in this Annu- uments and that based upon my inquiry of those individuals immediately responsible for verify that the submitted information is true, accurate and complete to the best of m the submission of false information herein is made subject to the penalties of 18 Pa. C.S. sification to authorities, which include fine and imprisonment.	or
Che	ck the following, if applic	ble:	
	I certify the informati	n required in Section B-1, General Properties was supplied to the Department for the yearnged.	ar
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
	I certify the informati	n required in Section B-2, Chemical Analysis was supplied to the Department for the yearnged.	ar
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
	I certify the informatio	required in Section B-3, Process Description and Schematic, was supplied to the Departmental not changed.	nt
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
Nam	e of Responsible Officia	Title Environmental Specialist	

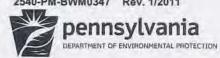
Date



This 1	form m	ust be fully and accur	rately completed. All re-	quired information must I	oe E	DEP USE O	NLY
each	attache	d sheet as Form 26R		space is necessary, identimber and identify the date noted below.		eceived & Ge	eneral Notes
Gener	ral Refe	rence 287.54					
Date I	Prepare	d/Revised Fo	ebruary 11, 2011				
		SECTION A.	CLIENT (GENERAT	OR OF THE WASTE) IN	FORMATIC	N	
	any Na						
		ergy USA Inc.					
		y, Name of Parent Com	pany			EPA Gener	ator ID#
		ergy Inc. Iling Address Line 1		Company Mailing Addres		N/A	
	ennwood			Company Mailing Addres	5 Lille 2		
		dress Last Line - City	State	Zip+4	Phone		Ext
	endale		PA	15086	(724) 814	-5300	
Comp	any Co	ntact Last Name	First Name	MI		Suffix	
Brown			Dina				
	ipality			County			
	endale	Put	Contact Email Address	Allegheny			
	814-53		dybrown@talismanus				
			any Mailing Address (note			☐ Yes	⊠ No
If 'No'	, descri	be location of waste ge	neration and storage. Wa	aste is generated during the rook Road, Ward Township,		etion, and p	production of
tempo	rarily sto	red in tanks onsite.	an one located at oce i and	Took House Francisco			o Huoto Io
Munic	ipality	Ward	County Tio		State	PA	
				STE DESCRIPTION			
	idual	(1000)	dual Waste		Unit of		Time
Waste	Code	Code	Description	Amount	Measure		Frame
802		Brine and Wastewat	er	72	☐ cu yd ☐ ☐	gal	One Time
			1. GENERAL	PROPERTIES			-110-11110
a.	pH Ra	nge 6	to 7	(based on analyses or kn	owledge)		
b.	Physic	cal State		9095)			
C.	Physic	cal Appearance		yellow/brown Odor	Hydrocart	oon	
			The second secon	uid Phases of Separation	One		
			Describe each phase o	f separation. <u>Liquid</u>			
-	-		2 CHEMICAL ANAL	YSIS ATTACHMENTS			
a.	The re	sults of a detailed che		the waste, as described in	the	⊠ Yes	□ No
	instru	ctions, is attached.				Z 100	L 110
b.			waste sampling method i				☐ No
C.	The quattach		control procedures emp	loyed by the laboratory(ie	s) is	Yes	□ No
d.	The re	sults of the hazardous	waste determination is a	ttached.			☐ No
е.		icable, a detailed expla actual chemical analy:	nation supporting use of sis is attached.	generator knowledge in	Yes	☐ No	⊠ N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS							
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.							
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No  as specified in the instructions, is attached.								
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.							
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE							
		PROCESSING OR DISPOSAL FACILITY(IES)							
	AND ADDRESS OF THE PARTY OF THE	nodate the identification of two facilities. Attach additional sheets if necessary.							
a.	Solid waste permit numbe PA101508	r(s) for processing or disposal facility being utilized.							
b.	Facility Name	PA Brine							
	Address Line 1	5148 US 322							
	Address Line 1								
	Address City State ZIP	Franklin PA 16323							
	Municipality	Franklin County Venango							
C.	Facility Contact Name Title	Elton DeLong							
	Phone	(814) 437-3593 Email Address info@pabrine.com							
d.	Volume of waste shipped t	to processing or disposal facility in the previous year.  Cu yd gal lb on (check one)							
a.	Solid waste permit number	r(s) for processing or disposal facility being utilized.							
b.	Facility Name								
	Address Line 1								
	Address Line 1								
	Address City State ZIP								
	Municipality	County							
. ·	Facility Contact Name								
	Title								
	Phone	Email Address							
1	Volume of waste shipped t	o processing or disposal facility in the previous year.  Cu yd  gal  b  con (check one)							
1.		Construction of the control of the c							
d.		2. BENEFICIAL USE							
	Has the waste been approx	2. BENEFICIAL USE							
a. a.	Has the waste been approx	2. BENEFICIAL USE							

			SECTION	D. CERTIFICAT	ION
Repo obta knov	ort and all attached docining the information, I	uments verify it the s	and that based u that the submitted ubmission of false	upon my inquiry of d information is tru information herein	ar with the information submitted in this Annual those individuals immediately responsible for ite, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. imprisonment.
Chec	k the following, if applica	ble:			
	I certify the informatio		ired in Section B-1	, General Properties	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the informatio		ired in Section B-2	R, Chemical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and	and the same of th	ALCOHOL: A CHARLES AND A CARLO	Process Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Nam	e of Responsible Official			Title	Environmental Specialist
Dina	Brown		- 11		- 6
Sign	ature		yes	Date	2/25/4



typed each	This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.								
Gener	al Refe	rence 287.54							
Date F	repare	d/Revised Feb	oruary 11, 2011						
		SECTION A.	<b>CLIENT</b> (GENERATO	R OF THE WASTE) IN	FORMA	ATION			
	any Nar								
		ergy USA Inc. y, Name of Parent Comp				FDA			
		ergy Inc.	any			N/A	ener	ator ID#	
		ling Address Line 1		Company Mailing Addres	s Line 2	INIA			
	nnwood			The state of the s					
		Iress Last Line - City	State	Zip+4	Phon			Ext	
Warre			PA	15086	(724)	814-530			
Brown		itact Last Name	First Name Dina	MI		Suffix			
Munic			Dilla	County	_		-		
Warre				Allegheny					
Conta	ct Phon	e Ext	Contact Email Address						
	814-53		dybrown@talismanusa.						
If 'No',		e location of waste gen	y Mailing Address (noted eration and storage. Was ead site located at 1456 Fai	ste is generated during the	drilling, co	mpletion,	Yes and p	No roduction of	
	is tempo	rarily stored in tanks onsi Columbia				tate	PA.	171. 1110	
			SECTION B. WAS	TE DESCRIPTION					
Resi	0.00		ial Waste		Unit	100		Time	
Waste	Code	Code D	escription	Amount	Meas	-		Frame	
802		Brine and Wastewater		75	u yd	☐ gal	П	One Time	
			1. GENERAL			24.011		One Time	
a.	pH Ra	nge 6	to 7	(based on analyses or ki	nowledge)				
b.	Physic	al State	□ Liquid Waste (EPA M     □ Solid (EPA Method 90     □ Gas (ambient temper	095)					
c.	Physic	al Appearance	Color Translucent y			ocarbon			
			Number of Solid or Liqu		One				
			Describe each phase of	separation. <u>Liquid</u>					
			2. CHEMICAL ANALY	RIE ATTACUMENTE			-		
a.	The re	sults of a detailed chem	ical characterization of th		the	N.	/es	T No	
		ctions, is attached.	out offer dotor matter of the	e maste, as assemble in		KA			
b.		A DESCRIPTION OF THE PROPERTY	aste sampling method is			⊠ '	es .	☐ No	
C.	The quattach		control procedures emplo	oyed by the laboratory(ie	s) is	$\boxtimes$	/es	□ No	
d.			aste determination is atta	ached.		× ×	/es	☐ No	
e.		cable, a detailed explan actual chemical analysi	ation supporting use of g s is attached.	enerator knowledge in	☐ Yes		Vo	⊠ N/A	

b. A schematic of as specified in c. If portions of a confidential.  The area below (ad.,		and/or pollution of attached.  itted are confided in the instruction.  MANAGEN  PROCESSING OF the identification of the instruction.	ed. control processe ntial, the substa ons, is attached. MENT OF RE	es producing ntiation for SIDUAL \	the waste,		Yes Yes No		No No N/A
as specified in c. If portions of a confidential confidential confidential confidential confidential confidential confidential confidential confidential confidence c	the instructions, is a the information subm ity claim, as describe SECTION O 1. ) will accommodate the	attached. itted are confide d in the instruction MANAGEN PROCESSING OF the identification of	ntial, the substations, is attached.  MENT OF RE	ntiation for	☐ Yes		727		Y
a confidential  The area below (ad., a. Solid waste p 0008451  b. Facility Name Address Line Address Line Address City Municipality  c. Facility Conta	SECTION 0  1.) will accommodate the	d in the instruction  MANAGEN  PROCESSING OF the identification of	ons, is attached.  MENT OF RE  DISPOSAL FACI	SIDUAL			No		N/A
a. Solid waste p 0008451  b. Facility Name Address Line Address City Municipality  c. Facility Conta	1. ) will accommodate th	PROCESSING OF the identification of	DISPOSAL FACI		MACTE				
a. Solid waste p 0008451  b. Facility Name Address Line Address City Municipality  c. Facility Conta	1. ) will accommodate th	PROCESSING OF the identification of	DISPOSAL FACI		MASIE				
a. Solid waste p 0008451  b. Facility Name Address Line Address City Municipality  c. Facility Conta	COLUMN TO THE PARTY OF THE PART	The state of the s							
b. Facility Name Address Line Address Line Address City Municipality  c. Facility Conta	ermit number(s) for p		of two facilities.	Attach addit	tional sheets	if nec	essary		
Address Line Address City Municipality  c. Facility Conta		rocessing or dis	posal facility bei	ng utilized.					
Address Line Address City Municipality c. Facility Conta Title	Sun	bury Generation	Wastewater Tr	reatment Fa	cility				
Address City Municipality c. Facility Conta Title		Trail Road			•				
Municipality c. Facility Conta	1 P.O	. BOX 517							
c. Facility Conta		mokin Dam	PA		17876				
Title	Sha	mokin Dam	Coun	ty Sny	der				
Phone	ct Name She	ldon Kowaleski							
	(570	0) 884-1235	Email Addr	ess					
d. Volume of wa	ste shipped to proces			evious year.  iton	(check one)				
a. Solid waste p	ermit number(s) for pr	rocessing or disp	oosal facility bei	ng utilized.					
b. Facility Name Address Line Address Line Address City	1 =								
Municipality	State ZIF		Coun	tv		-		-	
	et Nama		Journ	.,			-		-
c. Facility Conta	Ct Name					-		-	
Phone	-		Email Addr	ess		-			
						-			
d. Volume of wa	ste shipped to proces		b [	ton ton	(check one)				
			NEFICIAL USE					-	
<ul> <li>a. Has the waste</li> </ul>	been approved for be	eneficial use?					Yes		No
		ber or approval	number.						
b. Volume of wa									

			SECTION D.	CERTIFICAT	TION.
Repo obtai know	ort and all attached docu	iments verify t the s	and that based upor that the submitted in ubmission of false info	n my inquiry of formation is truormation herein	iar with the information submitted in this Annual those individuals immediately responsible for ite, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. I imprisonment.
Chec	k the following, if applica	ble:			
	I certify the information and has not char		red in Section B-1, G	eneral Properties	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information and has not char		red in Section B-2, C	nemical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I			ess Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	of Responsible Official			Title	Environmental Specialist
Dina	Brown		10		
Signa	ature		Non	Date	2/25/4
		-			

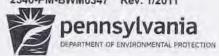


This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.						JSE ONLY d & General Notes
Gene	ral Refe	rence 287.54				
Date	Prepare	d/Revised Feb	ruary 11, 2011			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) INFO	ORMATION	
	pany Na					
		ergy USA Inc.			-	
		y, Name of Parent Comp ergy Inc.	any		N/A	Generator ID#
		iling Address Line 1	0	Company Mailing Address		
	ennwoo			ompany maning reactors	-1110 -2	
		dress Last Line - City	State	Zip+4	Phone	Ext
	endale		PA	15086	(724) 814-530	
		ntact Last Name	First Name	MI	Suffix	
Brow	cipality		Dina	County		
	endale			Allegheny		
The second second second	act Phon	e Ext	Contact Email Address	in agriciny		
	814-53		dybrown@talismanusa.			
			y Mailing Address (noted			Yes No
	', descri			te is generated during the dr kwheat Road, Granville Tow		
waste		prarily stored in tanks onsit			State	PA PA
Muliic	orpanty	Granville	SECTION B. WAST	Photo and the second se	State	PA
Res	idual	Residu	al Waste	E DESCRIPTION	Unit of	Time
	e Code	2 7271 727	escription	Amount	Measure	200000000000000000000000000000000000000
802		Property of the second		The second secon		Frame
002		Bring and Wastewater		106	cu yd 🔲 gal	Frame
		Brine and Wastewater		106	cu yd ☐ gal lb      ton	□ One Time
- 2	-11.00-		1. GENERAL F	PROPERTIES	lb ⊠ ton	
a.	pH Ra	nge 6	1. GENERAL F	PROPERTIES (based on analyses or know	lb ⊠ ton	
b.			1. GENERAL F	PROPERTIES (based on analyses or known athor 9095) 195)	lb ⊠ ton	
	Physic	nge 6	1. GENERAL F to 7  Liquid Waste (EPA Me Solid (EPA Method 90	PROPERTIES (based on analyses or known athod 9095) (95) (ature & pressure)	lb ⊠ ton	
b.	Physic	nge 6 cal State	to 7  Liquid Waste (EPA Me Solid (EPA Method 90) Gas (ambient tempera	PROPERTIES (based on analyses or known ethod 9095) 195) 1950 1950 1960 1970 1970 1970 1970 1970 1970 1970 197	lb ⊠ ton vledge)	
b.	Physic	nge 6 cal State	to 7  Liquid Waste (EPA Method 90  Solid (EPA Method 90  Gas (ambient tempera	PROPERTIES (based on analyses or known ethod 9095) 195) 195) 1961 1971 1982 1983 1984 1985 1986 1986 1986 1986 1986 1986 1986 1986	lb ⊠ ton vledge)  Hydrocarbon	
b.	Physic	nge 6 cal State	to 7  Liquid Waste (EPA Method 90  Solid (EPA Method 90  Gas (ambient temperation of Solid or Liquid Describe each phase each	PROPERTIES (based on analyses or known ethod 9095) 195) 195) 196 197 198 199 199 199 199 199 199 199 199 199	lb ⊠ ton vledge)  Hydrocarbon	
b, c.	Physic	nge 6 cal State cal Appearance	1. GENERAL F to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent y Number of Solid or Liqui Describe each phase of s	PROPERTIES (based on analyses or known athod 9095) (95) (ature & pressure) (ellow/brown Odor d Phases of Separation separation. Liquid	lb 🗵 ton vledge)  Hydrocarbon One	One Time
b. c.	Physic Physic The re	nge 6 cal State cal Appearance sults of a detailed chemictions, is attached.	to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent y Number of Solid or Liqui Describe each phase of s 2. CHEMICAL ANALY cal characterization of the	PROPERTIES (based on analyses or known athod 9095) 195) 195) 196llow/brown Odor of Phases of Separation separation. Liquid  SIS ATTACHMENTS 198 waste, as described in the	Hydrocarbon One	One Time  Yes No
b. c. a. b.	Physical Phy	nge 6 cal State cal Appearance sults of a detailed chemictions, is attached. illed description of the w	to 7  Liquid Waste (EPA Method 90 Solid (EPA Method 90 Gas (ambient temperated of Solid or Liquid Describe each phase of solid characterization of the aste sampling method is	PROPERTIES (based on analyses or known atthod 9095) (95) (based on analyses or known atthod 9095) (ellow/brown odor dephases of Separation separation. Liquid sis Attached.	lb 🗵 ton vledge)  Hydrocarbon One	One Time  Yes No Yes No
b. c.	Physical Phy	nge 6 cal State cal Appearance sults of a detailed chemictions, is attached. illed description of the wallity assurance/quality of	to 7  Liquid Waste (EPA Method 90 Solid (EPA Method 90 Gas (ambient temperated of Solid or Liquid Describe each phase of solid characterization of the aste sampling method is	PROPERTIES (based on analyses or known athod 9095) 195) 195) 196llow/brown Odor of Phases of Separation separation. Liquid  SIS ATTACHMENTS 198 waste, as described in the	lb 🗵 ton vledge)  Hydrocarbon One	One Time  Yes No
b. c. a. b.	Physical Phy	nge 6 cal State cal Appearance sults of a detailed chemictions, is attached. illed description of the wallity assurance/quality ded.	to 7  Liquid Waste (EPA Method 90 Solid (EPA Method 90 Gas (ambient temperated of Solid or Liquid Describe each phase of solid characterization of the aste sampling method is	PROPERTIES (based on analyses or known athod 9095) (based on analyses or known at the separation of th	Hydrocarbon One  e	One Time  Yes No Yes No

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS							
a.		he manufacturing and/or pollution control processes producing   Yes  Note the instructions, is attached.							
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.								
C.		on submitted are confidential, the substantiation for Yes No No described in the instructions, is attached.							
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE							
		1. PROCESSING OR DISPOSAL FACILITY(IES)							
The	ACTUAL DESIGNATION OF THE PARTY	nodate the identification of two facilities. Attach additional sheets if necessary.							
a.	Solid waste permit numbe 0008451	r(s) for processing or disposal facility being utilized.							
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility							
	Address Line 1	Old Trail Road							
	Address Line 1	P.O. Box 517							
	Address City State ZIP	Shamokin Dam PA 17876							
	Municipality	Shamokin Dam County Snyder							
c.	Facility Contact Name Title	Sheldon Kowaleski							
	Phone	(570) 884-1235 Email Address							
d.	Volume of waste shipped 42	to processing or disposal facility in the previous year.  Cu yd Gal Db Ston (check one)							
a.	Solid waste permit numbe 101508	r(s) for processing or disposal facility being utilized.							
b.	Facility Name	PA Brine							
	Address Line 1	5148 US 322							
	Address Line 1								
	Address City State ZIP	Franklin PA 16323							
	Municipality	Franklin County Venango							
	wanticipanty	Frankin County Venango							
c.	Facility Contact Name Title	Elton DeLong							
c.	Facility Contact Name								
	Facility Contact Name Title Phone	Elton DeLong  (814) 437-3593 Email Address info@pabrine.com							
	Facility Contact Name Title Phone	Elton DeLong							
	Facility Contact Name Title Phone Volume of waste shipped	Elton DeLong  (814) 437-3593 Email Address info@pabrine.com to processing or disposal facility in the previous year.							
d.	Facility Contact Name Title Phone Volume of waste shipped	Elton DeLong  (814) 437-3593 Email Address info@pabrine.com  to processing or disposal facility in the previous year.  cu yd gal b ton (check one)  2. BENEFICIAL USE							
d.	Facility Contact Name Title Phone Volume of waste shipped 142 Has the waste been approximately appro	Elton DeLong  (814) 437-3593 Email Address info@pabrine.com  to processing or disposal facility in the previous year.  cu yd gal b ton (check one)  2. BENEFICIAL USE							

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMEN	TS					
a.		e manufacturing and/or pollution control processes particular instructions, is attached.	producing	⊠ Yes	□ No			
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.							
C.		n submitted are confidential, the substantiation for escribed in the instructions, is attached.	Yes	☐ No	⊠ N/A			
	SECT	TION C. MANAGEMENT OF RESIDUAL V	VASTE					
-		PROCESSING OR DISPOSAL FACILITY(IES)						
The		odate the identification of two facilities. Attach additi	onal sheets	if necess	ary.			
a.	Solid waste permit number MDD980555189	s) for processing or disposal facility being utilized.						
b.	Facility Name	Clean Harbors of Baltimore						
	Address Line 1	1910 Russell St						
	Address Line 1							
	Address City State ZIP	Baltimore MD	21230					
	Municipality	Baltimore County						
C.	Facility Contact Name							
	Title							
	Phone	410-244-8200 Email Address						
d.		processing or disposal facility in the previous year.  cu yd  gal  b  ton	(check one)	)				
a.	Solid waste permit number	s) for processing or disposal facility being utilized.						
b.	Facility Name							
	Address Line 1							
	Address Line 1							
	Address City State ZIP Municipality	County				-		
		County						
C.	Facility Contact Name					Ц		
	Title Phone	Email Address						
d.	Volume of waste shipped to	processing or disposal facility in the previous year.  cu yd gal lb ton	(check one)					
		2. BENEFICIAL USE		La constitución de la constituci				
a.	Has the waste been approv	ed for beneficial use?		Yes	⊠ No			
	If "Yes", list the general per	mit number or approval number.						
b.	Volume of waste beneficial	y used in the previous year.  cu yd gal lb ton	(check one)					

			SECTION D. C	CERTIFICAT	rion
Repo obta knov	ort and all attached docu	ments verify the s	and that based upon that the submitted info ubmission of false infor	my inquiry of ormation is trumation herein	iar with the information submitted in this Annual those individuals immediately responsible for ue, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. I imprisonment.
Chec	k the following, if applica	ble:			
	I certify the information and has not char	The second second	red in Section B-1, Ger	neral Propertie	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information and has not chan		red in Section B-2, Che	emical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I			ss Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Nam	e of Responsible Official			Title	Environmental Specialist
Dina	Brown		· An		1 1
Sign	ature	3	00	Date	2/25/4

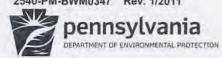


This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.							
Gener	al Refe	rence 287.54					
Date F	repare	d/Revised F	ebruary 11, 2011				
		SECTION A	. CLIENT (GENERAL	TOR OF THE WASTE) I	NFORMATI	ON	
	any Nar	me		N. C.	2012010101010		
		ergy USA Inc.					
		y, Name of Parent Cor	npany				erator ID#
		ergy Inc. iling Address Line 1		Company Mailing Addre	an Lina 2	N/A	
		d Place		Company waiting Addre	ess Line 2		
		dress Last Line - City	Stat	e Zip+4	Phone		Ext
Warre			PA	15086	(724) 81	4-5300	
		ntact Last Name	First Name	MI		Suffix	
Brown			Dina				
Munic Warre				County			
	ct Phon	e Ext	Contact Email Addres	Allegheny		_	
	814-53		dybrown@talismanus				
			any Mailing Address (not			☐ Yes	s No
	descril			laste is generated during the Rundell Creek Road, Arm			
The wa		emporarily stored in tanl Armenia		adford	State	e P	A
			SECTION B. WA	STE DESCRIPTION			
Resi	dual	Resi	dual Waste		Unit of		Time
Waste	Code	Code	Description	Amount	Measure		Frame
802		Brine and Wastewa	ter	258		gal ton [	One Time
			1. GENERA	L PROPERTIES		1011	one mile
a.	pH Ra	nge 6	to 7	(based on analyses or l	knowledge)		
b.	Physic	cal State	☐ Liquid Waste (EPA☐ Solid (EPA Method☐ Gas (ambient temp				
C.	Physic	al Appearance		t yellow/brown Ode	11) 01000	rbon	
				quid Phases of Separation	One		
			Describe each phase	of separation. Liquid			
	-		2 CHEMICAL ANA	LYSIS ATTACHMENTS		T	
a.		sults of a detailed che		the waste, as described i	n the	⊠ Yes	□ No
b.			waste sampling method	is attached.		⊠ Yes	□ No
c.		ality assurance/qualit		ployed by the laboratory(	ies) is	⊠ Yes	
d.	and the same of th		waste determination is a	attached.		⊠ Yes	□ No
е.		If applicable, a detailed explanation supporting use of generator knowledge in Yes No N/A lieu of actual chemical analysis is attached.					

b. c. The are	A detailed description of the the waste, as specified in the waste, as specified in the waste, as specified in the instruct as specified in the instruct of the informatic aconfidentiality claim, as see SEC.  Sea below (ad.) will accommodite waste permit number 10008451	the instructions, is attached acturing and/or pollution colons, is attached.  In submitted are confident described in the instruction of the instr	ed. ontrol processes pro itial, the substantiations, is attached.  IENT OF RESID DISPOSAL FACILITY(	oducing the waste,	∀es     ✓ Yes     ✓ No       N	□ No □ No □ N/A
c. The are	as specified in the instruct If portions of the informati a confidentiality claim, as SEC ea below (ad.) will accomm	ions, is attached. on submitted are confident described in the instruction TION C. MANAGEM 1. PROCESSING OR nodate the identification of	itial, the substantiations, is attached.  ENT OF RESID DISPOSAL FACILITY(	on for Yes		
The are	a confidentiality claim, as SEC ea below (ad.) will accomm	TION C. MANAGEM  1. PROCESSING OR nodate the identification of	ns, is attached.  ENT OF RESID  DISPOSAL FACILITY(		□ No	⊠ N/A
	ea below (ad.) will accomm	PROCESSING OR nodate the identification of the identification	DISPOSAL FACILITY	UAL WASTE		
	Solid waste permit number	nodate the identification of				
	Solid waste permit number		F 4 19914 A 11			
a.			two facilities. Attac	ch additional sheets	if necessary	
	0000431	(s) for processing or disp	osal facility being ut	ilized.		
b.	Facility Name	Sunbury Generation	Wastewater Treatm	nent Facility		
	Address Line 1	Old Trail Road				
	Address Line 1	P.O. Box 517				
	Address City State ZIP	Shamokin Dam	PA	17876		
	Municipality	Shamokin Dam	County	Snyder		
C.	Facility Contact Name Title	Sheldon Kowaleski				
	Phone	(570) 884-1235	Email Address			
d.	Volume of waste shipped t 142	o processing or disposal t	facility in the previou	us year. on (check one)		
a.	Solid waste permit number 101508	(s) for processing or disp	osal facility being ut	ilized.		
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Franklin	County	Venango		
C.	Facility Contact Name	Elton DeLong				
	Title					
	Phone	(814) 437-3593	Email Address	info@pabrine.com	m	
	Volume of waste shipped to 21	processing or disposal f	acility in the previou			
	The second second	2. BENI	EFICIAL USE			F
a.	Has the waste been approv	ed for beneficial use?			Yes	⊠ No
	If "Yes", list the general pe	rmit number or approval r	umber.			
	Volume of waste beneficial			n (check one)		

			N & SCHEMATIC ATTACHMEN						
a.	A detailed description of t the waste, as specified in	he manufacturing and/or the instructions, is attach	pollution control processes ed.	producing	⊠ Yes	□ No			
b.	A schematic of the manufacturing and/or pollution control processes producing the waste, Yes No as specified in the instructions, is attached.								
C.	If portions of the informat a confidentiality claim, as		ntial, the substantiation for ons, is attached.	Yes	□ No	⊠ N/A			
	SEC		MENT OF RESIDUAL	WASTE					
The	rea below (ad.) will accome		R DISPOSAL FACILITY(IES)	tianal abaata	lf management				
				tional sneets	n necessary	•			
a.	MDD980555189	r(s) for processing or dis	posal facility being utilized.						
b.	Facility Name	Clean Harbors of Ba	altimore						
	Address Line 1	1910 Russell St							
	Address Line 1								
	Address City State ZIP	Baltimore	MD	21230					
	Municipality	Baltimore	County						
C.	Facility Contact Name								
	Title	110.011.0000							
	Phone	410-244-8200	Email Address						
d.	Volume of waste shipped 95	to processing or disposal cuyd gal	facility in the previous year.  □ Ib	(check one)					
a.	Solid waste permit numbe	r(s) for processing or dis	posal facility being utilized.						
b.	Facility Name								
200	Address Line 1	-							
	Address Line 1	-							
	Address City State ZIP								
	Municipality		County						
C.	Facility Contact Name								
	Title								
	Phone		Email Address						
d.	Volume of waste shipped	o processing or disposal	facility in the previous year.						
		☐ cu yd ☐ gal	☐ Ib ☐ ton	(check one)					
		2. BEI	NEFICIAL USE						
a.	Has the waste been appro-				Yes	⊠ No			
	If "Yes", list the general pe		number.						
b.	Volume of waste beneficia								
		☐ cu yd ☐ gal	☐ Ib ☐ ton	(check one)					
-									

			SECTION D. C	ERTIFICAT	TION	
Repo obta know	ort and all attached doc ining the information, I viedge. I understand tha	uments verify at the s	and that based upon n that the submitted infor	ny inquiry of mation is tro nation herein	those individuals imm ie, accurate and comp is made subject to the	submitted in this Annual nediately responsible for plete to the best of my penalties of 18 Pa. C.S.
Chec	k the following, if applica	able:				
	I certify the informatio		red in Section B-1, Gene	ral Propertie	s was supplied to the	Department for the year
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the informatio	1	red in Section B-2, Chen	nical Analysis	s was supplied to the	Department for the year
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the information for the year and		ed in Section B-3, Process changed.	Description	and Schematic, was su	pplied to the Department
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
Name	e of Responsible Official			Title	Environmental Speci	alist
Dina	Brown		10		,	
Sign	ature	- (	2002	Date	2/25	111

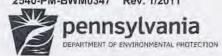


This typed each prepa	USE ONLY red & General Notes					
Gener	al Refe	rence 287.54				
Date I	repare	d/Revised Fe	bruary 11, 2011			
		SECTION A.	CLIENT (GENERATO	R OF THE WASTE) INF	ORMATION	
	any Na					
		ergy USA Inc. y, Name of Parent Com	pany		EPA	Generator ID#
		ergy Inc.			N/A	30110101011011
		iling Address Line 1 d Place		Company Mailing Address	Line 2	
		dress Last Line - City	State	Zip+4	Phone	Ext
	endale		PA	15086	(724) 814-53	
Brown		ntact Last Name	First Name Dina	MI	Suffi	x
	ipality		Dilla	County		
Warre				Allegheny		
The second second	ct Phon		Contact Email Address			
	814-53		dybrown@talismanusa			V [7]
If 'No'		be location of waste ge		ste is generated during the d veeney Road, Armenia Town		
	is tempo	orarily stored in tanks ons Armenia			State	PA PA
31400-15		1010000	SECTION B. WAS			
Resi	dual	Resid	ual Waste		Unit of	Time
Waste	Code	Code	Description	Amount	Measure	Frame
802		Brine and Wastewate	r	313	cu yd gal	☐ One Time
			1. GENERAL	PROPERTIES		
a.	pH Ra		to 7	(based on analyses or kno	wledge)	
b.	Physic	cal State		095)		
C.	Physic	cal Appearance	Color Translucent y		Hydrocarbon	
			Number of Solid or Liqu		One	
			Describe each phase of	separation. Liquid		
			2. CHEMICAL ANALY	SIS ATTACHMENTS		
a.		sults of a detailed chen	The second secon	e waste, as described in t	he 🛛	Yes No
b.			vaste sampling method is	attached.		Yes No
C.	The second second second		control procedures emple	oyed by the laboratory(ies	is 🖂	Yes No
d.	attached.					
		sults of the hazardous	waste determination is att	- 10-10-10-10-10-10-10-10-10-10-10-10-10-1		Yes No

A detailed description of the manufacturing and/or pollution control processes producing	TACHMENTS	<ol><li>PROCESS DESCRIPTION &amp; SCHEMATIC AT</li></ol>						
as specified in the instructions, is attached.  c. If portions of the information submitted are confidential, the substantiation for	ocesses producing X Yes No			a.				
SECTION C. MANAGEMENT OF RESIDUAL WASTE  1. PROCESSING OR DISPOSAL FACILITY(IES)  The area below (ad.) will accommodate the identification of two facilities. Attach additional sheets if necessar a.  Solid waste permit number(s) for processing or disposal facility being utilized. 0008451  b. Facility Name Address Line 1 Address Line 1 P.O. Box 517 Address City State ZIP Municipality Phone  C. Facility Contact Name Title Phone (570) 884-1235  Bmail Address  C. Volume of waste shipped to processing or disposal facility in the previous year. 167 Cuyd gal b ton (check one)  a. Solid waste permit number(s) for processing or disposal facility being utilized.  D. Brack City State ZIP Phone Address Line 1 Address City State ZIP Address City State ZIP Address City State ZIP Franklin PA 16323  Municipality Franklin PA 16323  Municipality Franklin County Venango  C. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51								
The area below (ad.) will accommodate the identification of two facilities. Attach additional sheets if necessar  a. Solid waste permit number(s) for processing or disposal facility being utilized. 0008451  b. Facility Name	tion for Yes No NA			C.				
The area below (ad.) will accommodate the identification of two facilities. Attach additional sheets if necessar  a. Solid waste permit number(s) for processing or disposal facility being utilized. 0008451  b. Facility Name	DUAL WASTE	ION C. MANAGEMENT OF RESI	SE					
The area below (ad.) will accommodate the identification of two facilities. Attach additional sheets if necessar a.  Solid waste permit number(s) for processing or disposal facility being utilized.  0008451  b. Facility Name	The state of the s							
b. Facility Name Address Line 1 Old Trail Road Address Line 1 P.O. Box 517 Address City State ZIP Shamokin Dam PA 17876 Municipality Shamokin Dam PA 17876  C. Facility Contact Name Title Phone (570) 884-1235 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 167 cu yd gal b ton (check one)  a. Solid waste permit number(s) for processing or disposal facility being utilized.  b. Facility Name PA Brine Address Line 1 Address Line 1 Address City State ZIP Municipality Franklin PA 16323 Municipality Franklin County Venango  c. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 16323 Email Address City State ZIP Municipality Franklin PA 16323 Franklin County Venango  c. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51 cu yd gal b ton (check one)  2. BENEFICIAL USE  a. Has the waste been approved for beneficial use? Yes If "Yes", list the general permit number or approval number.			The area below (ad.) will accor	The				
Address Line 1 Address City State ZIP Municipality  C. Facility Contact Name Title Phone  Address City State ZIP Address City State ZIP Phone  County  Sheldon Kowaleski  Sheldon Kowaleski  Title Phone  Address City State ZIP Phone  County  Sheldon Kowaleski  Title Phone  County  Sheldon Kowaleski  Title Phone  Address  County  Sheldon Kowaleski  Title Phone  County  Sheldon Kowaleski  Email Address  County  Sheldon Kowaleski  County  Sheldon Kowaleski  Title Phone  Address  Benail Address  County  Sheldon Kowaleski  Title Phone  Address Line 1 Address Line 1 Address Line 1 Address City State ZIP Address Line 1 Address City State ZIP Franklin PA  16323  Municipality  Franklin PA  16323  Franklin PA  16323  County  Venango  County  Venango  County  C	utilized.	(s) for processing or disposal facility being		a.				
Address Line 1 Address City State ZIP Municipality  Shamokin Dam PA 17876  Shamokin Dam County Snyder  C. Facility Contact Name Title Phone (570) 884-1235  Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 167  a. Solid waste permit number(s) for processing or disposal facility being utilized. 101508  b. Facility Name Address Line 1 Address City State ZIP Municipality Franklin PA 16323  Municipality Franklin PA 16323  Franklin County Venango  C. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51  Cuyd  Gall Address  Elton DeLong Title Phone  Cutyd  Gall b  Ton (check one)  2. BENEFICIAL USE  a. Has the waste been approved for beneficial use?  Gall Yes  Gall Yes  Green  Franklin Frank	tment Facility	Sunbury Generation Wastewater Trea	o. Facility Name	b.				
Address City State ZIP Municipality  Shamokin Dam County Snyder  C. Facility Contact Name Title Phone  (570) 884-1235 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 167		Old Trail Road	Address Line 1					
Municipality Shamokin Dam County Snyder  C. Facility Contact Name Title Phone (570) 884-1235		P.O. Box 517						
c. Facility Contact Name Titte Phone  (570) 884-1235 Email Address  d. Volume of waste shipped to processing or disposal facility in the previous year. 167	17876	Shamokin Dam PA						
Title Phone  (570) 884-1235	Snyder	Shamokin Dam County	Municipality					
d. Volume of waste shipped to processing or disposal facility in the previous year.  167		Sheldon Kowaleski		c.				
a. Solid waste permit number(s) for processing or disposal facility being utilized.  101508  b. Facility Name		(570) 884-1235 Email Address	Phone					
b. Facility Name PA Brine Address Line 1 5148 US 322 Address City State ZIP Franklin PA 16323 Municipality Franklin County Venango  c. Facility Contact Name Elton DeLong Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51	ton (check one)	cuyd gal lb	167	d.				
Address Line 1 Address City State ZIP Municipality  C. Facility Contact Name Title Phone  (814) 437-3593  C. Volume of waste shipped to processing or disposal facility in the previous year.  51  Cuyd  Gal  Check one  2. BENEFICIAL USE  Address Line 1  Address Line 1  Address Line 1  Franklin  PA  16323  County  Venango  Elton DeLong  Elton DeLong  Email Address  info@pabrine.com  Check one)  Yes  If "Yes", list the general permit number or approval number.	utilized.	s) for processing or disposal facility being		a.				
Address City State ZIP Franklin PA 16323  Municipality Franklin County Venango  c. Facility Contact Name Elton DeLong Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51		PA Brine	. Facility Name	b.				
Address City State ZIP Franklin PA 16323 Franklin County Venango  c. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51		5148 US 322	Address Line 1					
Municipality Franklin County Venango  c. Facility Contact Name Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51								
c. Facility Contact Name Title Phone  (814) 437-3593  Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year. 51								
Title Phone (814) 437-3593 Email Address info@pabrine.com  d. Volume of waste shipped to processing or disposal facility in the previous year.  51	Venango	Franklin County						
d. Volume of waste shipped to processing or disposal facility in the previous year.  51		Elton DeLong		c.				
51	info@pabrine.com	(814) 437-3593 Email Address	Phone					
2. BENEFICIAL USE  a. Has the waste been approved for beneficial use?  If "Yes", list the general permit number or approval number.			I. Volume of waste shippe	d.				
a. Has the waste been approved for beneficial use?  If "Yes", list the general permit number or approval number.	ton (check one)	cuyd gal b	51					
If "Yes", list the general permit number or approval number.		2. BENEFICIAL USE						
	☐ Yes ⊠ No	ed for beneficial use?	. Has the waste been app	a.				
		mit number or approval number.	If "Yes", list the general					
cu yd gal lb ton (check one)	ton (check one)	y used in the previous year.		b.				

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS					
a.	A detailed description of the manufacturing and/or pollution control processes producing Yes No the waste, as specified in the instructions, is attached.						
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.						
C.		on submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	N/A				
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE					
		1. PROCESSING OR DISPOSAL FACILITY(IES)					
The a	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.					
a.	Solid waste permit number MDD980555189	r(s) for processing or disposal facility being utilized.					
b.	Facility Name	Clean Harbors of Baltimore					
	Address Line 1	1910 Russell St					
	Address Line 1	72 W					
	Address City State ZIP	Baltimore MD 21230					
	Municipality	Baltimore County					
C.	Facility Contact Name Title						
	Phone	410-244-8200 Email Address					
d.	Volume of waste shipped t 53	o processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)					
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.					
b.	Facility Name	Waste Treatment Corp. Warren County					
	Address Line 1	341 West Harmar Street					
	Address Line 1						
	Address City State ZIP	Warren PA					
	Municipality	Warren County Warren					
C.	Facility Contact Name	Rich Gorton					
	Title	(0) (1) 700 1500 Fig. (1) (1)					
	Phone	(814) 726-1500 Email Address info@waste-treatment.net					
d.	Volume of waste shipped t 42	o processing or disposal facility in the previous year.  cu yd gal lb ton (check one)					
		2. BENEFICIAL USE					
a.	Has the waste been approv	/ed for beneficial use? ☐ Yes ☐	No				
		rmit number or approval number.					
b.	Volume of waste beneficial	lly used in the previous year.  ☐ cu yd ☐ gal ☐ lb ☐ ton (check one)					

			SECTION D. C	ERTIFICA	TION
Repo obtai know	ort and all attached docu	ments verify the s	and that based upon in that the submitted info- ubmission of false inform	ny inquiry of rmation is tru nation herein	lar with the information submitted in this Annual those individuals immediately responsible for ue, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. I imprisonment.
Chec	k the following, if applica	ble:			
	I certify the information and has not char		red in Section B-1, Gen	eral Propertie	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information	The state of the s	red in Section B-2, Che	mical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and I			s Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	of Responsible Official			Title	Environmental Specialist
Dina	Brown		1.		
Signa	ature 1 ~	5	Usn	Date	2/25/11
71.57%		0			



typed each	or legil	oly printed in the spaces of sheet as Form 26R,	provided. If additional	quired information must space is necessary, iden nber and identify the date noted below.	tify Da	DEP U		ONLY eneral Notes
Gene	ral Refe	rence 287.54						
Date I	Prepare	d/Revised Fel	oruary 11, 2011					
		SECTION A.	CLIENT (GENERATO	OR OF THE WASTE) IN	FORMA	NOITA		
	any Na			mesers and a second	0-2426-1			
		ergy USA Inc. y, Name of Parent Comp	any			EDAC	ono	rator ID#
		ergy Inc.	raity			N/A	ener	ator ID#
Comp		iling Address Line 1		Company Mailing Addre	ss Line 2	2463		
		dress Last Line - City	State		Phon			Ext
	endale		PA	15086	(724)	814-5300		
Brown		ntact Last Name	First Name Dina	MI		Suffix		
	ipality		Dilla	County				
	endale			Allegheny				
77.7	ct Phon		Contact Email Address					
	814-53		dybrown@talismanusa					
If 'No'		be location of waste gen		d above)? aste is generated during dri 6 Route 14, Canton Towns		letion, and		
tempo		red in tanks onsite. Canton		dford		tate	PA	
			SECTION B. WAS	TE DESCRIPTION				
Res	idual	FA 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ual Waste		Unit	of		Time
Waste	Code	Code D	escription	Amount	Meas			Frame
802		Brine and Wastewater		330	☐ cu yd ☐ lb	☐ gal	П	One Time
			1. GENERAL	PROPERTIES				
a.	pH Ra		to 7	(based on analyses or k	nowledge)			
b.	Physic	cal State		9095)				
C.	Physic	cal Appearance		yellow/brown Odo	117 511	ocarbon		
				uid Phases of Separation	One			
			Describe each phase of	f separation. Liquid				
	D		2 CHEMICAL ANAL	YSIS ATTACHMENTS	_	-	-	
a.		sults of a detailed chem		he waste, as described in	n the	⊠ Y	/es	☐ No
b.			aste sampling method is	s attached.		⊠ Y	/es	□ No
c.		ality assurance/quality		loyed by the laboratory(in	es) is	- Amount	es/es	□ No
d.			vaste determination is at	0.57,11 (1) (1)		⊠ Y	/es	☐ No
е.		icable, a detailed explan actual chemical analysi	ation supporting use of s is attached.	generator knowledge in	Yes		No	⊠ N/A

a.		3. PROCESS DESCRIPTION & SCH								
a.		e manufacturing and/or pollution he instructions, is attached.	control proc	esses producing		Yes		No		
b.		A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes   No as specified in the instructions, is attached.								
c.		on submitted are confidential, the described in the instructions, is a		on for Yes		No		N/A		
	SEC	TION C. MANAGEMENT	OF RESIDI	JAL WASTE						
		1. PROCESSING OR DISPOS	SERVICE THE PROPERTY.	The state of the s						
The a	area below (ad.) will accomn	odate the identification of two fac			if ne	cessary				
a.	Solid waste permit number 0008451	(s) for processing or disposal fac	ility being uti	lized.						
b.	Facility Name	Sunbury Generation Waster	vater Treatm	ent Facility						
	Address Line 1	Old Trail Road								
	Address Line 1	P.O. Box 517								
	Address City State ZIP	Shamokin Dam	PA	17876						
	Municipality	Shamokin Dam	County	Synder						
c.	Facility Contact Name Title	Sheldon Kowaleski								
	Phone	(570) 884-1235 Em	ail Address							
d. a.	263	o processing or disposal facility i cu yd gal ll (s) for processing or disposal fac	o ⊠ to	n (check one	)					
								-		
h	Facility Name	PA Brine								
b.	Facility Name Address Line 1	PA Brine 5148 US 322								
b.		PA Brine 5148 US 322								
b.	Address Line 1	-1 P1C-2707-171-1	PA	16323						
b.	Address Line 1 Address Line 1	5148 US 322	PA County	16323 Venango						
	Address Line 1 Address Line 1 Address City State ZIP	5148 US 322 Franklin								
	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name	5148 US 322  Franklin Franklin Elton DeLong			m					
<b>3.</b>	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	5148 US 322  Franklin Franklin Elton DeLong	County ail Address	Venango info@pabrine.co						
C.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593 Emi	County  ail Address  the previou	Venango info@pabrine.co						
c.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593 Emprocessing or disposal facility i	County  ail Address  the previou	Venango info@pabrine.co		Yes		No		
c. d.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t 67 Has the waste been approx	5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593 Emprocessing or disposal facility i	County  ail Address  the previou  to  USE	Venango info@pabrine.co		Yes		No		

Name of Responsible Official

Dina Brown

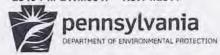
Signature

			SECTION D. CERTIFICATION
Repo	ort and all attached do ining the information, wledge. I understand ti	cuments I verify hat the s	have personally examined and am familiar with the information submitted in this Annual is and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my submission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Che	ck the following, if appli	cable:	
	I certify the information and has not ch		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the informati		ired in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information for the year and		ed in Section B-3, Process Description and Schematic, was supplied to the Department t changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		

Title

Date

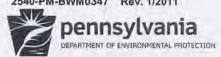
**Environmental Specialist** 



typed each	or legil	oly printed in the space d sheet as Form 26F	rately completed. All es provided. If addition R, reference the item re eets needs to match the	al space is ne number and i	cessary, iden dentify the d	tify Date	DEP U		A. C.	otes
Gener	al Refe	rence 287.54								
Date P	repare	d/Revised F	ebruary 11, 2011							
	W.	SECTION A	. CLIENT (GENERA	TOR OF THE	E WASTE) IN	FORMA?	TION			
	any Na									
		ergy USA Inc. y, Name of Parent Cor	20221				EDAC		-4 IP	-44
		y, Name of Parent Cor ergy Inc.	npany				EPA G N/A	enera	ator IL	#
Comp	any Ma	iling Address Line 1		Company I	Mailing Addre	ss Line 2	IN/A			
	THE PERSON NAMED IN COLUMN	dress Last Line - City	Sta	ate Z	ip+4	Phone			Ext	
Warre			PA		5086		314-5300	)		
		ntact Last Name	First Name		MI		Suffix			
Brown			Dina	County				-	-	
Warre				Allegheny	,					
	ct Phon	e Ext	Contact Email Addre					_		
111756 P.M.300	814-53		dybrown@talismanu							
If 'No', natural	descri gas at	be location of waste g the (257) well page	any Mailing Address (no eneration and storage. d site located at 1838 Eas	Waste is gener			pletion, a		oducti	
is temp		stored in tanks onsite. Jackson	County T	ioga		Sta	ite	PA		
			SECTION B. W.	ASTE DES	CRIPTION					
Resi	dual	Res	dual Waste			Unit o	f		Time	)
Waste	Code	Code	Description	Ar	mount	Measu			Fram	е
802		Brine and Wastewa	ter	234		☐ cu yd	☐ gal ☑ ton		One 1	ime
			1. GENER	AL PROPERTIE	ES					
a.	pH Ra	nge 6	to 7	(based or	analyses or k	nowledge)	-			
b.	Physic	cal State		od 9095)						
C.	Physic	cal Appearance	Color Transluce Number of Solid or L	ent yellow/brov			arbon			
			Describe each phase		SALAR SALAR AND	One				
	_	-	2. CHEMICAL AN	IALYSIS ATTAC	HMENTS					
a.		sults of a detailed che	mical characterization of			the .	⊠ Y	es		No
b.			waste sampling metho	d is attached.			⊠ Y	es	П	No
C.			y control procedures er		e laboratory(in	es) is	-	es	Ħ	No
2.	attach	ed.								
d.			s waste determination is	CLASSICIAL CALLS				es		No
0.		icable, a detailed expl actual chemical analy	anation supporting use sis is attached.	of generator k	nowledge in	☐ Yes		lo	$\boxtimes$	N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS						
a.		the manufacturing and/or pollution control processes producing Yes No the instructions, is attached.						
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes   No as specified in the instructions, is attached.							
C.		ion submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.						
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE						
		1. PROCESSING OR DISPOSAL FACILITY(IES)						
The		nodate the identification of two facilities. Attach additional sheets if necessary.						
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.						
b.	Facility Name	Waste Treatment Corp. Warren County						
	Address Line 1	341 West Harmar Street						
	Address Line 1							
	Address City State ZIP	Warren PA 16365						
	Municipality	Warren County Warren						
C.	Facility Contact Name Title	Rich Gorton						
	Phone	(814) 726-1500 Email Address info@waste-treatment.net						
d.	Volume of waste shipped t 92	to processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)						
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.						
b.	Facility Name	PA Brine						
	Address Line 1	5148 US 322						
	Address Line 1							
	Address City State ZIP	Franklin PA 16323						
	Municipality	Franklin County Venango						
C.	Facility Contact Name	Elton DeLong						
	Title	ZOLIN AGE OFFICE PRODUCTION OF THE STATE OF						
	Phone	(814) 437-3593 Email Address info@pabrine.com						
d.	Volume of waste shipped t 142	to processing or disposal facility in the previous year.  Cu yd gal lb S ton (check one)						
		2. BENEFICIAL USE						
a.	Has the waste been approv							
		ermit number or approval number.						
b.	Volume of waste beneficial	Ily used in the previous year.  cu yd gal b ton (check one)						
_								

			SECTIO	N D. CERTIFICAT	TION
Repo obtai know	ort and all attached do ning the information,	cuments I verify nat the s	and that based that the submit ubmission of fal	d upon my inquiry of tted information is tru Ise information herein	ar with the information submitted in this Annual those individuals immediately responsible for ite, accurate and complete to the best of my is made subject to the penalties of 18 Pa. C.S. I imprisonment.
Chec	k the following, if applie	cable:			
	certify the informati		red in Section I	B-1, General Properties	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the informati		red in Section I	B-2, Chemical Analysis	s was supplied to the Department for the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and	and the second s		3, Process Description	and Schematic, was supplied to the Department
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	of Responsible Officia	d		Title	Environmental Specialist
Dina	Brown		- 60		
Signa	ature 32	-5	100	Date	2/25/4



typed each	or legil attache	oly printed in the spaces	provided. If additional reference the item nu	equired information must space is necessary, ide imber and identify the late noted below.	ntify D	DEP Pate Receive	USE C		Votes
Gene	ral Refe	rence 287.54							
Date	Prepare	d/Revised Feb	oruary 11, 2011						
		SECTION A.	CLIENT (GENERAL	OR OF THE WASTE)	INFORM.	ATION			
	oany Na								
		ergy USA Inc. y, Name of Parent Comp	2017			EDA	Cana	ator II	D#
		ergy Inc.	any			N/A	Genei	ator II	J#
Comp		iling Address Line 1		Company Mailing Addr	ess Line 2	1473			
Comp	any Ad	dress Last Line - City	Stat		Pho	ne		Ex	t
	endale	20.00	PA	15086	(724	) 814-530			
Brown		ntact Last Name	First Name	MI		Suffi	X		
	cipality		Dina	County			-	-	
	endale			Allegheny					
Conta	act Phon	e Ext	Contact Email Addres						
	814-53		dybrown@talismanus						
If 'No	, descri	enerated at the Compan be l <u>ocatio</u> n of waste gen	eration and storage. W	aste is generated during t	he drilling, c	ompletion,	Yes and p	roduct	No tion of
	al gas at	the (261) well pad	site located at 1178 Skyli	ne Drive, in Jackson Town	ship, Tioga	County PA	A. The	waste	is
	orarily sto	ored in tanks onsite. Jackson	County Tic	una .	9	State	PA		
manne	- panty	Dackson		STE DESCRIPTION		Jule	17		
Res	idual	Residu	ial Waste	OTE DESCRIPTION		t of	1	Tim	0
1000000	e Code	17,977,577	escription	Amount	Mea			Fran	
802		Brine and Wastewater		385	u cu yd	gal			
002		Billio dila vvasiovatol			Пр	⊠ ton		One	Time
	au Da	ngo 6		L PROPERTIES	lengudodoo)				
a. b.	pH Ra	nge 6	to 7  Liquid Waste (EPA	(based on analyses or	knowledge		-		
В.	riiyan	Sai State	Solid (EPA Method						
C.	Physic	cal Appearance			lor Hydr	ocarbon			
				quid Phases of Separation					
			Describe each phase	of separation. Liquid					
_			2 CUENICAL ANA	LVOIC ATTACHMENTS					
a.	The re	sults of a detailed chem		LYSIS ATTACHMENTS the waste, as described	in the	M	Yes		No
		ctions, is attached.	orioractoriaction of	Haday ad addonided	uiv		100		140
b.		iled description of the w				$\boxtimes$	Yes		No
C.	The quattach		control procedures em	ployed by the laboratory	(ies) is		Yes		No
d.	The second second	sults of the hazardous v					Yes		No
e.		icable, a detailed explan actual chemical analysi		f generator knowledge in	∏ Ye	s 🗌	No		N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS						
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.						
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.							
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.						
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE						
		1. PROCESSING OR DISPOSAL FACILITY(IES)						
The a	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.						
a.	Solid waste permit numbe 0102784	r(s) for processing or disposal facility being utilized.						
b.	Facility Name	Waste Treatment Corp. Warren County						
	Address Line 1	341 West Harmar Street						
	Address Line 1							
	Address City State ZIP	Warren PA 16365						
	Municipality	Warren County Warren						
C.	Facility Contact Name Title	Rich Gorton						
	Phone	(814) 726-1500 Email Address info@waste-treatment.net						
d.	Volume of waste shipped t 368	to processing or disposal facility in the previous year.  Cu yd Gal Bb Ston (check one)						
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.						
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility						
	Address Line 1	Old Trail Road						
	Address Line 1	P.O. Box 517						
	Address City State ZIP	Shamokin Dam PA 17876						
	Municipality	Shamokin Dam County Snyder						
c.	Facility Contact Name	Sheldon Kowaleski						
	Title							
	Phone	(570) 884-1235 Email Address						
d.	Volume of waste shipped t	o processing or disposal facility in the previous year.						
	17	☐ cu yd ☐ gal ☐ Ib ☒ ton (check one)						
		2. BENEFICIAL USE						
a.	Has the waste been approve	ved for beneficial use?						
		rmit number or approval number.						
b.	Volume of waste beneficial	lly used in the previous year.						

Name of Responsible Official

Dina Brown

Signature

#### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted:

Title

Date

Environmental Specialist



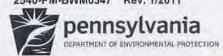
This	form mi	ist be fully and ac	curately	completed. All rec	uired information mus	t be	DEP	USE (	DNLY	
each	attache	d sheet as Form 2	6R, ref		space is necessary, ide nber and identify the ite noted below.		Date Receiv	ed & G	eneral	Notes
Gene	ral Refe	rence 287.54								
Date	Prepare	d/Revised	Februa	ary 11, 2011						
		SECTION	A. CI	LIENT (GENERATO	OR OF THE WASTE) I	NFORM	ATION			
	any Nar	ne					100000000000000000000000000000000000000			
		ergy USA Inc.								
1 1955/1970/1980	Marine In the State of State o	y, Name of Parent C	ompany	/				Gene	rator I	D#
		ergy Inc.					N/A			
	oany Mai ennwood	ling Address Line 1			Company Mailing Addr	ess Line 2				
	E. S. Addition of the second	ress Last Line – Cit	w	State	Zip+4	Pho	200		Ex	
1 II MESONS 2005 IV	endale	ress Last Line - On	y	PA	15086	100000	4) 814-53	00	EX	it.
		ntact Last Name	-	First Name	MI	(12	Suffi			
Brow	The second secon	itact Last Name		Dina	mi		Juni	^		
12775.72.22.20.7	cipality			211.0	County				_	
	endale				Allegheny					
Conta	act Phon	e Ext	C	ontact Email Address						
(724)	814-53	21	dy	/brown@talismanusa	a.com					
If 'No natura	, describ	oe location of waste	genera vell pad	lailing Address (note tion and storage. Was site located at 2509 Fa	d above)? aste is generated during t allbrook Road, Armenia	he drilling, o Township, E	completion Bradford Co	Yes , and p ounty I	produc	No tion of ne
	cipality	Armenia		County Brad	dford		State	PA		
			S	ECTION B. WAS	TE DESCRIPTION	V				
Res	idual	Re	sidual				it of	1	Tim	ie
	e Code	2577.6		cription	Amount		sure		Fran	
802		Brine and Wastew	ater		1,816	☐ cu yd	gal			
002		Dillio di la Tradica		4 0000000		□lb	⊠ ton		One	Time
	-U D-		^		PROPERTIES	luna da da d	1		_	
a.	pH Ra		6	to 7	(based on analyses or	knowleage	)	_		_
b.	Physic	cal State			9095)					
C.	Physic	al Appearance	Co	olor Translucent	yellow/brown Od	lor Hyd	rocarbon			
			N	imber of Solid or Liqu	uid Phases of Separatio	n One				
			De	escribe each phase of	f separation. Liquid					
					AVER- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
	-			The second secon	YSIS ATTACHMENTS		67	49		
a.	instru	ctions, is attached.			he waste, as described	in the		Yes		No
b.				te sampling method is				Yes		No
c.	The quattach		lity cor	ntrol procedures emp	loyed by the laboratory	(ies) is		Yes		No
d.	The re	sults of the hazardo	us was	te determination is at	tached.			Yes		No
e.		icable, a detailed ex actual chemical and			generator knowledge in	☐ Ye	s 🗌	No		N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS								
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.								
b.		A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.								
C.		on submitted are confidential, the substantiation for \(\bigcup \text{Yes}  \text{No} \text{N/A}\) described in the instructions, is attached.								
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE								
		Processing or Disposal Facility(ies)								
The a		nodate the identification of two facilities. Attach additional sheets if necessary.								
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.								
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility								
	Address Line 1	Old Trail Road								
	Address Line 1	P.O. Box 517								
	Address City State ZIP	Shamokin Dam PA 17876								
	Municipality	Shamokin Dam County Snyder								
C.	Facility Contact Name Title	Sheldon Kowaleski								
	Phone	(570) 884-1235 Email Address								
d.	Volume of waste shipped t 1,418	o processing or disposal facility in the previous year.  cu yd gal lb ton (check one)								
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.								
b.	Facility Name	PA Brine								
	Address Line 1	5148 US 322								
	Address Line 1									
	Address City State ZIP	Franklin PA 16323								
	Municipality	Franklin County Venango								
C.	Facility Contact Name Title	Elton DeLong								
	Phone	(814) 437-3593 Email Address info@pabrine.com								
d.	Volume of waste shipped t	o processing or disposal facility in the previous year.  cu yd gal lb ton (check one)								
		2. BENEFICIAL USE								
a.	Has the waste been approx									
	If "Yes", list the general pe	rmit number or approval number.								
b.		lly used in the previous year.								

		3. PROCESS DESCRIPTIO	N & SCHEMATIC ATTA	CHMENTS	- A - 11					
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No				
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.									
C.	If portions of the information a confidentiality claim, as of			on for Yes	□ No	⊠ N/A				
	SEC	TION C. MANAGEN		Martin Committee of March 19 For 19						
The a	area below (ad.) will accomm		R DISPOSAL FACILITY(I of two facilities. Attac		if necessary	1.				
a.	Solid waste permit number MDD980555189	(s) for processing or disp	posal facility being ut	lized.						
b.	Facility Name	Clean Harbors of Ba	altimore							
	Address Line 1	1910 Russell St								
	Address Line 1									
	Address City State ZIP	Baltimore	MD	21230						
	Municipality	Baltimore	County							
C.	Facility Contact Name									
	Title									
	Phone	410-244-8200	Email Address							
d.	Volume of waste shipped to 213	o processing or disposal	facility in the previou		)					
a.	Solid waste permit number 0102784	(s) for processing or disp	posal facility being uti	lized.						
b.	Facility Name	Waste Treatment C	orp. Warren County							
	Address Line 1	341 West Harmar S	treet							
	Address Line 1									
	Address City State ZIP	Warren	PA	16365						
	Municipality	Warren	County	Warren						
c.	Facility Contact Name									
	Title	Rich Gorton								
	Phone	(814) 726-1500	Email Address	info@waste-trea	tment.net					
d.	Volume of waste shipped to 21	processing or disposal cu yd gal	facility in the previou							
			NEFICIAL USE							
a.	Has the waste been approv	ed for beneficial use?			Yes	⊠ No				
	If "Yes", list the general pe									
b.	Volume of waste beneficial	ly used in the previous you	ear.	n (check one)						

# 2540-PM-BWM0347 Rev. 1/2011 SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R





typed each	or legit	ust be fully and accurated by printed in the spaces d sheet as Form 26R, e date on attached sheet	provided. If additional s reference the item num	pace is necessary, ident ber and identify the d	tify Da	DEP I te Receive			Notes
-			s needs to match the dat	e noted below.					
	General Reference 287.54  Date Prepared/Revised February 11, 2011								
Date	repare		CLIENT (GENERATO	D OF THE WASTE! IN	EORMA	TION			
Comp	any Nai		CLILIAI (GENERATO	K OF THE WASTE) IN	II OKIVIA	TION	_	-	
		ergy USA Inc.							
		y, Name of Parent Compa	any				Gener	ator II	D#
		ergy Inc.		Company Mailing Address	an Lina 2	N/A			_
	any wa	ling Address Line 1	1	Company Mailing Addres	ss Line 2				
	ALP SILVING PROPERTY	dress Last Line - City	State	Zip+4	Phone	9		Ex	t
Warre	endale		PA	15086	(724)	814-530			
Comp	Control of the Contro	ntact Last Name	First Name Dina	MI		Suffix			
	ipality		Dilla	County					
	endale			Allegheny					
	ct Phon	-	Contact Email Address						
	814-53	21 enerated at the Compan	dybrown@talismanusa				Yes		No
If 'No' natura tempo	, descri	pe location of waste gene		ste is generated during the its Road, Troy Township,	Bradford Co	mpletion,	and p	roduct	ion of
			SECTION B. WAS	19-18-18-18-18-18-18-18-18-18-18-18-18-18-					
Resi	idual		al Waste		Unit	of		Tim	e
Waste	Code	Code De	escription	Amount	Measu			Fran	ne .
802		Brine and Wastewater		2,001	☐ cu yd ☐ lb	☐ gal		One	Time
			1. GENERAL	PROPERTIES		EN TOTAL		One	11110
a,	pH Ra	nge 6	to 7	(based on analyses or ki	nowledge)				
b.	Physic	cal State	□ Liquid Waste (EPA M     □ Solid (EPA Method 90     □ Gas (ambient temper	095)					
C.	Physic	cal Appearance	Color Translucent y Number of Solid or Liqu Describe each phase of	id Phases of Separation	, , , , , ,	carbon			
			2. CHEMICAL ANALY	SIS ATTACHMENTS	-				
a.		sults of a detailed chemi	The state of the s		the	$\boxtimes$	Yes		No
b.		iled description of the w	aste sampling method is	attached.		X	Yes	П	No
C.		ality assurance/quality of	the state of the s		es) is	-	Yes		No
d.		sults of the hazardous w	aste determination is att	ached.		$\boxtimes$	Yes		No
e.		icable, a detailed explana actual chemical analysis		enerator knowledge in	☐ Yes		No	$\boxtimes$	N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		ne manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes  Notions, is attached.
c.		on submitted are confidential, the substantiation for Yes No No No described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
		PROCESSING OR DISPOSAL FACILITY(IES)
The	area below (ad.) will accomn	nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility
	Address Line 1	Old Trail Road (P.O. BOX 517)
	Address Line 1	
	Address City State ZIP	Shamokin Dam PA 17876
	Municipality	Shamokin Dam County Snyder
c.	Facility Contact Name Title	Sheldon Kowaleski
	Phone	(570) 884-1235 Email Address
d.	Volume of waste shipped t 638	o processing or disposal facility in the previous year.  Cu yd  gal  lb  kon (check one)
a.	Solid waste permit number 101508	(s) for processing or disposal facility being utilized.
b.	Facility Name	PA Brine
	Address Line 1	5148 US 322
	Address Line 1	
	Address City State ZIP	Franklin PA 16323
	Municipality	Franklin County Venango
C.	Facility Contact Name Title	Elton DeLong
	Phone	(814) 437-3593 Email Address info@pabrine.com
d.	Volume of waste shipped t 378	o processing or disposal facility in the previous year.  Cu yd  gal  lb  cu yd  (check one)
d.		
		□ cu yd □ gal □ lb ☑ ton (check one)  2. BENEFICIAL USE
d. a.	378 Has the waste been approv	□ cu yd □ gal □ lb ☑ ton (check one)  2. BENEFICIAL USE

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.	A detailed description of the	ne manufacturing and/or pollution control processes producing Yes the instructions, is attached.	□ No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution control processes producing the waste, Yes ions, is attached.	□ No
C.		on submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	⊠ N/A
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	
		PROCESSING OR DISPOSAL FACILITY(IES)	
The a		nodate the identification of two facilities. Attach additional sheets if necessary	1.
a.	Solid waste permit number MDD980555189	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Clean Harbors of Baltimore	
	Address Line 1	1910 Russell St	
	Address Line 1		
	Address City State ZIP	Baltimore MD 21230	
	Municipality	Baltimore County	
C.	Facility Contact Name		
	Title	740 044 0000 F	
	Phone	410-244-8200 Email Address	
d.	Volume of waste shipped to 796	o processing or disposal facility in the previous year.  Cu yd  Gal  Ib  Kon  Check one)	
a.	Solid waste permit number 0102784	(s) for processing or disposal facility being utilized.	
b.	Facility Name	Waste Treatment Corp. Warren County	
	Address Line 1	341 West Harmar Street	
	Address Line 1		
	Address City State ZIP	Warren PA 16365	
	Municipality	Warren County Warren	
C.	Facility Contact Name	Rich Gorton	
	Title	TO THE STATE OF TH	
	Phone	(814) 726-1500 Email Address info@waste-treatment.net	
d.	Volume of waste shipped to 190	o processing or disposal facility in the previous year.  cu yd gal lb iton (check one)	
		2. BENEFICIAL USE	
a.	Has the waste been approv	red for beneficial use?	⊠ No
		rmit number or approval number.	
ь.	Volume of waste beneficial	ly used in the previous year.  Cu yd gal lb ton (check one)	

Name of Responsible Official

Dina Brown

Signature

### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted:

Title

Date

**Environmental Specialist** 



typed each	or legil attache	oly printed in the spaces d sheet as Form 26R,	provided. If additional sp	ired information must be bace is necessary, identify ber and identify the date a noted below.	Date Receiv	USE C		Notes
Gene	ral Refe	rence 287.54						
Date	Prepare	d/Revised Fel	oruary 11, 2011					
		SECTION A.	<b>CLIENT</b> (GENERATO	R OF THE WASTE) INF	ORMATION			
	oany Na							
		ergy USA Inc. y, Name of Parent Comp	anv		EDA	Gono	rator ID	7#
		ergy Inc.	ally		N/A	Gener	ator it	J#
Comp		ling Address Line 1	C	Company Mailing Address	Line 2			
Comp	any Ad	dress Last Line - City	State	Zip+4	Phone		Ext	t.
	endale		PA	15086	(724) 814-53			
Brown		ntact Last Name	First Name Dina	MI	Suffi	x		
	cipality			County				
Warre	endale			Allegheny				
	ct Phon	All the second s	Contact Email Address					
	814-53		dybrown@talismanusa. y Mailing Address (noted			Yes	×	No
If 'No'		be location of waste gen	eration and storage. Was	te is generated during the di ive, Troy Township, Bradfor		, and p	roducti	
tempo	rarily sto	red in tanks onsite.	4 44 20 20 10					
Munic	ipality	Troy	County Bradf		State	PA		
-		5 (1	SECTION B. WAST	E DESCRIPTION		-		
	idual Code	10000000	ial Waste escription	Amount	Unit of Measure		Time	
200	oude			П	cu yd gal	1	Hall	16
802		Brine and Wastewater		1041	lb 🛛 ton		One	Time
			1. GENERAL F					
a.	pH Ra		to 7	(based on analyses or know	vledge)			
b.	Physic	cal State	☐ Solid (EPA Method 90☐ Gas (ambient tempera	95)				
C.	Physic	al Appearance	Color Translucent you Number of Solid or Liquid	d Phases of Separation	Hydrocarbon One			
			Describe each phase of s	separation. Liquid				
			2. CHEMICAL ANALY					
a.	instru	ctions, is attached.		e waste, as described in th		Yes		No
b.			aste sampling method is			Yes		No
C.	The quattach		control procedures emplo	yed by the laboratory(ies)	is 🛚	Yes		No
d.	200 200 200		aste determination is atta	ched.		Yes		No
e.		cable, a detailed explan actual chemical analysi	ation supporting use of ges is attached.	enerator knowledge in	Yes 🗌	No		N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste, Yes No lions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
		PROCESSING OR DISPOSAL FACILITY(IES)
The		nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility
	Address Line 1	Old Trail Road
	Address Line 1	P.O. Box 517
	Address City State ZIP	Shamokin Dam PA 17876
	Municipality	Shamokin Dam County Snyder
C.	Facility Contact Name Title	Sheldon Kowaleski
	Phone	(570) 884-1235 Email Address
d.	Volume of waste shipped t 753	o processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)
a.	Solid waste permit number 101508	(s) for processing or disposal facility being utilized.
b.	Facility Name	PA Brine
	Address Line 1	5148 US 322
	Address Line 1	
	Address City State ZIP	Franklin PA 16323
	Municipality	Franklin County Venango
C.	Facility Contact Name	Elton DeLong
	Title	
	Phone	(814) 437-3593 Email Address info@pabrine.com
d.	Volume of waste shipped t 108	o processing or disposal facility in the previous year.  Cu yd gal b ston (check one)
		2. BENEFICIAL USE
a.	Has the waste been approv	red for beneficial use? Yes No
		rmit number or approval number.
b.	Volume of waste beneficial	ly used in the previous year.  cu yd gal lb ton (check one)

		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTACHME	NTS		
a.	A detailed description of the waste, as specified in the		pollution control processes ned.	producing	⊠ Yes	□ No
b.	A schematic of the manufa as specified in the instruct		control processes producing	g the waste,		☐ No
C.	If portions of the information a confidentiality claim, as		ential, the substantiation for ions, is attached.	Yes	□ No	⊠ N/A
-	SEC	TION C. MANAGE	MENT OF RESIDUAL	WASTE	-	
			R DISPOSAL FACILITY(IES)			
The a	area below (ad.) will accomm				if necessary	1.
a.	Solid waste permit number MDD980555189	r(s) for processing or dis	posal facility being utilized.			
b.	Facility Name	Clean Harbors of B	altimore			
	Address Line 1	1910 Russell St				
	Address Line 1					
	Address City State ZIP	Baltimore	MD	21230		
	Municipality	Baltimore	County			
C.	Facility Contact Name Title					
	Phone	410-244-8200	Email Address			
d.	Volume of waste shipped to 180	o processing or disposal cu yd gal	facility in the previous year	r. (check one)		
a.	Solid waste permit number	(s) for processing or dis	posal facility being utilized.			
b.	Facility Name					
	Address Line 1					
	Address Line 1					
	Address City State ZIP					
	Municipality		County			
C.	Facility Contact Name					
	Title					
	Phone		Email Address			
d.	Volume of waste shipped to	o processing or disposal	facility in the previous year	(check one)		
		2. BEI	NEFICIAL USE			
a.	Has the waste been approv	ed for beneficial use?			Yes	⊠ No
	If "Yes", list the general pe	rmit number or approval	number.			
b.	Volume of waste beneficial	ly used in the previous y	rear.	(check one)		

### SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year \_\_\_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: Name of Responsible Official Title **Environmental Specialist** Dina Brown Signature Date



This f	orm mu	st be fully and accu	urately completed. All re	quired information must	be	DEP USE	ONLY	
typed each	or legibl attached	y printed in the space sheet as Form 26	ces provided. If additional R, reference the item nu- leets needs to match the d	space is necessary, identify the di	tify Date F	Date Received & General Notes		
Gener	al Refere	ence 287.54						
Date P	repared	/Revised	February 11, 2011					
		SECTION A	A. CLIENT (GENERAT	OR OF THE WASTE) IN	IFORMATI	ON		
	any Nam							
		rgy USA Inc.	2012 (1927)			EPA Gene	water ID#	
	nan Ene	, Name of Parent Co	mpany			N/A	erator ID#	
		ing Address Line 1		Company Mailing Addres	ss Line 2	11//-1		
	nnwood			company maning reads				
		ress Last Line - City	State	Zip+4	Phone		Ext	
Warre			PA	15086	(724) 81			
		tact Last Name	First Name	,MI		Suffix		
Brown			Dina	0				
Munic				County Allegheny				
	ct Phone	Ext	Contact Email Address					
100000000000000000000000000000000000000	814-532		dybrown@talismanus					
			pany Mailing Address (note			Yes	⊠ No	
		e location of waste g	generation and storage. W	aste is generated during the				
	gas at th		08) G well pad site located a	t 2202 Wolfe Hollow Road,	Columbia Tow	nship, Brac	Iford County,	
Munic		is temporarily stored i Columbia		dford	State	PA		
Manie	ipanty	Columbia		STE DESCRIPTION	Oluli	1.7		
Resi	dual	Res	idual Waste	OIL DESCRIPTION	Unit of		Time	
Waste	Charles Co. Van III.		e Description	Amount	Measure		Frame	
802		Brine and Wastewa		5,903	cu yd	2 0		
002		Dillie and wastewe	1889		☐ lb 区	ton 🗆	One Time	
_	all Day			L PROPERTIES	a ai da da a \			
a. b.	pH Ran	al State	6 to 7  Liquid Waste (EPA)	(based on analyses or k	nowledge)			
U.	Filysic	ai State	Solid (EPA Method Gas (ambient temp	9095)				
C.	Physica	al Appearance		t yellow/brown Odo	r Hydroca	rbon		
				uid Phases of Separation				
			Describe each phase of	of separation. Liquid				
				LYSIS ATTACHMENTS		N 1/		
a.	I he res	sults of a detailed ch	emical characterization of	the waste, as described in	1 the		☐ No	
	instruc	tions, is attached.						
b.	instruc A detai	tions, is attached. led description of the	e waste sampling method	Charles to William Co.		⊠ Yes	□ No	
b.	A detai	tions, is attached. led description of the ality assurance/quali	e waste sampling method ity control procedures emp	Charles to William Co.	es) is		□ No	
	A detai The quattache	tions, is attached. led description of the ality assurance/qualied.	The state of the s	ployed by the laboratory(in	es) is	- Barrier		
C.	A detail The quattache The res	tions, is attached. led description of the ality assurance/quali ed. sults of the hazardou	ity control procedures emp s waste determination is a lanation supporting use of	ployed by the laboratory(in	es) is	⊠ Yes	☐ No	

		3. PROCESS DESCRIPTION &	SCHEMATIC ATTA	CHMENTS		
a.		ne manufacturing and/or pollu he instructions, is attached.	ition control proc	esses producing	⊠ Yes	☐ No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution contri ions, is attached.	rol processes pro	ducing the waste,	⊠ Yes	☐ No
C.		on submitted are confidential described in the instructions,		on for Yes	□ No	⊠ N/A
	SEC	TION C. MANAGEMEN	IT OF RESID	JAL WASTE		
<b>.</b>		Processing or Dis				
The a	area below (ad.) will accomm	nodate the identification of two	o facilities. Attac	h additional sheets	if necessary	/.
a.	Solid waste permit number 0008451	r(s) for processing or disposa	I facility being uti	lized.		
b.	Facility Name	Sunbury Generation Wa	stewater Treatm	ent Facility		
	Address Line 1	Old Trail Road (P.O. BC	X 517)			
	Address Line 1			15000		
	Address City State ZIP Municipality	Shamokin Dam Shamokin Dam	PA County	17876 Snyder		
			County	Snyder		
C.	Facility Contact Name Title	Sheldon Kowaleski				
	Phone	(570) 884-1235	Email Address			
d.		o processing or disposal facil		m 100 du		
u.	586	cu yd gal [	] lb ⊠ to	n (check one)	)	
a.	Solid waste permit number 101508	(s) for processing or disposa	I facility being uti	lized.		
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1			Toward to		
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Franklin	County	Venango		
C.	Facility Contact Name	Elton DeLong				
	Title Phone	(814) 437-3593	Email Address	info@pabrine.co	m	
	1977				IH	
d.	2,614	o processing or disposal facil	Ity in the previou			
		2. BENEFIC	CIAL USE			
a.	Has the waste been approv				Yes	⊠ No
		rmit number or approval num	ber.			
b.	Volume of waste beneficial	ly used in the previous year.  cu yd gal	] lb 🔲 to	n (check one)		

		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTAC	HMENTS			
a.	A detailed description of the the waste, as specified in the			sses producing	⊠ ,	Yes	No
b.	A schematic of the manufa as specified in the instruct		control processes prod	ucing the waste,	□ '	Yes	No
c.	If portions of the information a confidentiality claim, as			for Yes		No	N/A
	SEC.	TION C. MANAGEN	MENT OF RESIDU	AL WASTE			
			R DISPOSAL FACILITY(IE				
The a	area below (ad.) will accomm	nodate the identification of	of two facilities. Attach	additional sheets	if nece	ssary.	
a.	Solid waste permit number MDD980555189	r(s) for processing or dis	posal facility being utili	zed.			
b.	Facility Name	Clean Harbors of Ba	altimore				
	Address Line 1	1910 Russell St					
	Address Line 1						
	Address City State ZIP	Baltimore	MD	21230			
	Municipality	Baltimore	County		_		
c.	Facility Contact Name Title						
	Phone	410-244-8200	Email Address				
d.	Volume of waste shipped t 1,638	o processing or disposal	facility in the previous				
a.	Solid waste permit number 0102784	r(s) for processing or dis	posal facility being utili	zed.			
b.	Facility Name	Waste Treatment C	orp. Warren County				
	Address Line 1	341 West Harmar S	Street				
	Address Line 1						
	Address City State ZIP	Warren	PA	16365			
	Municipality	Warren	County	Warren			
C.	Facility Contact Name	Rich Gorton					
	Title	(04.4) 700 4500	Partit Address				
	Phone	(814) 726-1500	Email Address	info@waste-trea	tment.	net	
d.	Volume of waste shipped t 1,064	o processing or disposal	facility in the previous		)		
			NEFICIAL USE				
a.	Has the waste been approv					res	No
	If "Yes", list the general pe	rmit number or approval	number.				
	Volume of waste beneficial						

		SECTION D. CERTIFICATION	
Repo obtai	ort and all attached doo ining the information, I viedge. I understand th	It I have personally examined and am familiar with the information submitted in this Annual that based upon my inquiry of those individuals immediately responsible fify that the submitted information is true, accurate and complete to the best of note submission of false information herein is made subject to the penalties of 18 Pa. Contains to authorities, which include fine and imprisonment.	for
Chec	k the following, if applic		
	I certify the information	equired in Section B-1, General Properties was supplied to the Department for the ye	ar
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
	I certify the information	equired in Section B-2, Chemical Analysis was supplied to the Department for the yed.	ar
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
	I certify the information for the year and	quired in Section B-3, Process Description and Schematic, was supplied to the Departme not changed.	nt
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
Name	e of Responsible Official	Title Environmental Specialist	
Dina	Brown		
Signa	ature	3/16r Date 2/25/4	



typed each	or legit	ly printed in the spaces d sheet as Form 26R,	tely completed. All rec provided. If additional reference the item nur ts needs to match the da	space is necessary, ide mber and identify the	ntify Da	DEP L ate Receive		ONLY eneral Notes
Gener	ral Refe	rence 287.54						
Date F	Prepare	d/Revised Fel	oruary 11, 2011					
		SECTION A.	CLIENT (GENERATE	OR OF THE WASTE) I	NFORMA	ATION		
	any Na							
		ergy USA Inc.						
		y, Name of Parent Comp	any				Senei	rator ID#
		ergy Inc. lling Address Line 1		Company Mailing Add	ann line 2	N/A		
	ennwood			Company Mailing Addr	ess Line 2			
		dress Last Line - City	State	Zip+4	Phon	ie		Ext
	endale		PA	15086		814-530	0	
Comp	any Cor	ntact Last Name	First Name	MI		Suffix		
Brown	-		Dina					
	ipality			County				
	endale			Allegheny				
	ct Phon		Contact Email Address					
and the same of	814-53		dybrown@talismanusa y Mailing Address (note				Yes	⊠ No
If 'No'		be location of waste ger	eration and storage. Wa ead site located at 225 Bud	aste is generated during t		ompletion,	and p	production of
	rarily sto	red in tanks onsite. Troy		dford		itate	PA	341.000
			SECTION B. WAS	STE DESCRIPTION	1			
Resi	idual	Reside	ual Waste		Unit	of		Time
Waste	Code	Code D	escription	Amount	Meas	The same of the sa		Frame
802		Brine and Wastewate		228	☐ cu yd	gal		One The
			1 GENERAL	PROPERTIES	□ lb	⊠ ton		One Time
a.	pH Ra	nge 6	to 7	(based on analyses or	knowledge)		-	
b.		al State			Miowicage	-	-	
	,		Solid (EPA Method S	9095)				
C.	Physic	cal Appearance		yellow/brown Od	lor Hydro	ocarbon	-	
				uid Phases of Separatio	12 12 12 12 12 12 12 12 12 12 12 12 12 1	0001,0011	_	
			Describe each phase of					
			The state of the s	YSIS ATTACHMENTS				
a.	instru	ctions, is attached.	ical characterization of t		in the			☐ No
b.		the first term of the first te	aste sampling method i	A CONTRACTOR OF THE PROPERTY O			Yes	☐ No
C.	The quattach	The second secon	control procedures emp	loyed by the laboratory	(ies) is	$\boxtimes$	Yes	☐ No
d.			vaste determination is at	3797 013170			Yes	☐ No
e.		icable, a detailed explan actual chemical analysi	ation supporting use of s is attached.	generator knowledge in	Yes		No	⊠ N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		he manufacturing and/or pollution control processes producing Ye the instructions, is attached.	s No
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,	s No
C.		on submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	⊠ N/A
-	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	
		PROCESSING OR DISPOSAL FACILITY(IES)	
The a	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necess	sary.
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility	
	Address Line 1	Old Trail Road (P.O. BOX 517)	
	Address Line 1	0	
	Address City State ZIP Municipality	Shamokin Dam PA 17876 Shamokin Dam County Snyder	
_	The state of the s		
C.	Facility Contact Name Title	Sheldon Kowaleski	
	Phone	(570) 884-1235 Email Address	
d.	143	o processing or disposal facility in the previous year.  Cu yd Gal Bo ton (check one)	
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	PA Brine	
	Address Line 1	5148 US 322	
	Address Line 1		
	Address City State ZIP Municipality	Franklin PA 16323 Franklin County Venango	
2.			
C.	Facility Contact Name Title	Elton DeLong	
	Phone	(814) 437-3593 Email Address info@pabrine.com	
d.	Volume of waste shipped t	o processing or disposal facility in the previous year.  u yd gal b ton (check one)	
		2. BENEFICIAL USE	
a.	Has the waste been approv	ved for beneficial use?	s 🛛 No
	If "Yes", list the general pe	rmit number or approval number.	
b.	Volume of waste heneficial	lly used in the previous year.	

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes  No  tions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
71	1 1 / 11 / 11	PROCESSING OR DISPOSAL FACILITY(IES)
1000		nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Waste Treatment Corp. Warren County
	Address Line 1	341 Harmar Street
	Address Line 1	The second
	Address City State ZIP Municipality	Warren PA 16365
		Warren County Warren
c.	Facility Contact Name Title	Rich Gorton
	Phone	(814) 726-1500 Email Address info@waste-treatment.net
d.	Volume of waste shipped to	o processing or disposal facility in the previous year.  cu yd gal lb ton (check one)
a.	Solid waste permit number	r(s) for processing or disposal facility being utilized.
b.	Facility Name	
	Address Line 1	
	Address Line 1	
	Address City State ZIP	
	Municipality	County
C.	Facility Contact Name	
	Title	
	Phone	Email Address
d.	Volume of waste shipped to	o processing or disposal facility in the previous year.  Cu yd Gal Gb Check one)
		2. BENEFICIAL USE
a.	Has the waste been approv	ved for beneficial use? ☐ Yes ☐ No
	If "Yes", list the general pe	rmit number or approval number.
b.	Volume of waste beneficial	lly used in the previous year.  cu yd gal b ton (check one)

			SECTION	N.D. CERTIFICATION	
Repo obta know	ort and all attached docu ining the information, I viedge. I understand that	ments verify the s	and that based that the submitt ubmission of fals	xamined and am familiar with the information submitted in to a upon my inquiry of those individuals immediately responded information is true, accurate and complete to the base information herein is made subject to the penalties of 1 which include fine and imprisonment.	est of my
Chec	k the following, if applica	ble:			
	I certify the information and has not char	1000	red in Section B	8-1, General Properties was supplied to the Department for	r the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information		red in Section B	3-2, Chemical Analysis was supplied to the Department fo	r the year
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
	I certify the information for the year and h			, Process Description and Schematic, was supplied to the D	epartment
	Form Submitted:		Form 26R		
			Other (specify)		
	Date Submitted:				
Name	e of Responsible Official			Title Environmental Specialist	
Dina	Brown		An 5/1		
Sign	ature A	五	14	Date 7/25/4	
		-	1		



			curately completed. All			DEP	USE C	DNLY	
each	attache	d sheet as Form 2	aces provided. If addition 26R, reference the item sheets needs to match the	number and identify		Date Receiv	/ed & G	eneral N	lotes
Gene	eral Refe	rence 287.54							
Date	Prepare	d/Revised	February 11, 2011						
		SECTION	A. CLIENT (GENER	ATOR OF THE WAST	E) INFO	RMATION			
Com	pany Na								
		ergy USA Inc.							
		y, Name of Parent C	Company				Gener	ator ID	)#
	man En			Communic Mailing	A alalua a a 1 tu	N/A			
	ennwood	iling Address Line 1		Company Mailing	Address Lir	ie z			
		dress Last Line - Ci	tv St	ate Zip+4		Phone		Ext	1
TEST TOTAL CO.	rendale		P			(724) 814-53	00		
	A COLUMN TO THE REAL PROPERTY OF THE PARTY O	ntact Last Name	First Name	N		Suff			
Brow			Dina					-	
	cipality			County					
100000	rendale	e Ext	Contact Email Addr	Allegheny			_	-	_
1000000	) 814-53		dybrown@talisman						
			npany Mailing Address (n				Yes	M	No
			generation and storage.		ing the drilling	ng, completion			
natur	al gas at	the (01-074)	W well pad site located at 2	018 Mountain Avenue,	Armenia To	wnship, Bradfo	ord Cou	nty, P	A. The
		orarily stored in tanks		10.01		04-4	-		
Muni	cipality	Armenia		Bradford	1011	State	PA		
		_	The state of the s	ASTE DESCRIPT	ION		-	ner i	
	sidual te Code	TO A STATE OF THE	esidual Waste de Description	Amount		Unit of Measure		Fram	
THE REAL PROPERTY.	te Code	The same of the same		375488301		yd gal	1	Fiam	e
802		Brine and Waster	vater	58	□ lb	⊠ ton		One 7	Time
			1. GENE	RAL PROPERTIES					
a.	pH Ra	nge	6 to 7	(based on analyse	es or knowle	dge)			
b.	Physic	cal State	Solid (EPA Meth	PA Method 9095) od 9095) nperature & pressure)					
C.	Physic	cal Appearance		ent yellow/brown		Hydrocarbon			
				Liquid Phases of Sepa	_	One			
			Describe each phas	e of separation. <u>Liquid</u>					
-	-		2 CHEMICAL A	NALYSIS ATTACHMENTS				-	-
a.	The re	sults of a detailed o	hemical characterization			X	Yes	П	No
	instru	ctions, is attached.					, 00		110
b.		AND AND DESCRIPTION OF THE PARTY OF THE PART	the waste sampling metho			$\boxtimes$	Yes		No
c.	The quattach		ality control procedures e	mployed by the labora	tory(ies) is	$\boxtimes$	Yes		No
d.			ous waste determination is	s attached.		×	Yes	П	No
e.	If appl	icable, a detailed ex	planation supporting use		ge in	Yes 🗌	No	X	N/A
	lieu of	actual chemical an	alysis is attached.					=	

a.		3. PROCESS DESCRIPTION	N & SCHEMATIC ATTACHM	ENTS			
a.	A detailed description of the the waste, as specified in the specified in			s producing		Yes	No
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   No as specified in the instructions, is attached.						
c.	If portions of the informati a confidentiality claim, as			r Yes		No	N/A
	SEC	TION C. MANAGEN	ENT OF RESIDUAL DISPOSAL FACILITY(IES)	WASTE			
The	area below (ad.) will accomm			ditional sheets	if ned	essary	
a.	Solid waste permit number MDD980555189	r(s) for processing or disp	osal facility being utilized				
b.	Facility Name	Clean Harbors of Ba	Itimore				
	Address Line 1	1910 Russell St					
	Address Line 1						
	Address City State ZIP	Baltimore	MD	21230			
	Municipality	Baltimore	County				
c.	Facility Contact Name Title						
	Phone	410-244-8200	Email Address		-		_
			Linaii Addiese				
d.	Volume of waste shipped t	o processing or disposal		ar. (check one)	)		
d. a.		cu yd gal	facility in the previous yea	(check one)	)		_
	58 Solid waste permit number Facility Name Address Line 1	cu yd gal	facility in the previous yea	(check one)			
a.	58 Solid waste permit number Facility Name Address Line 1 Address Line 1	cu yd gal	facility in the previous yea	(check one)	)		
a.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP	cu yd gal	facility in the previous yea	(check one)			
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	cu yd gal	facility in the previous yea	(check one)	)		
a.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP	cu yd gal	facility in the previous yea	(check one)	)		
a.	58  Solid waste permit number  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	cu yd gal	facility in the previous yea	(check one)			
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	cuyd gal	facility in the previous year Ib	(check one			
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	cu yd gal r(s) for processing or disp o processing or disposal cu yd gal	County  Email Address  facility in the previous year  County  Email Address  County  Ib   Ton	(check one			
a. b. c.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	cu yd gal r(s) for processing or disp o processing or disposal cu yd gal 2. BEN	facility in the previous yes                          ton     cosal facility being utilized    County       Email Address   facility in the previous yes	(check one)			
a. b. c.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	cu yd gal c(s) for processing or disposal cu yd gal cu yd gal 2. BEN red for beneficial use?	County  Email Address  facility in the previous year  County  Email Address  facility in the previous year  b  ton	(check one)		Yes	No
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	cu yd gal c(s) for processing or disposal cu yd gal cu yd gal 2. BEN red for beneficial use? rmit number or approval r	County  Email Address facility in the previous year  County  Email Address facility in the previous year  b	(check one)		Yes	No

			SECTION D. CERTIFICATION
Repo obta know	ort and all attached doci ining the information, I viedge. I understand tha	uments verify t the s	have personally examined and am familiar with the information submitted in this Annual is and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my submission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Che	ck the following, if applica	ble:	
	I certify the information		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information		ired in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information for the year and	Market Street, Street, St.	ed in Section B-3, Process Description and Schematic, was supplied to the Department t changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Nam	e of Responsible Official		Title Environmental Specialist
Dina	Brown		1.2
Sign	ature 🛆	5	Date 7/2 5/4
		-	

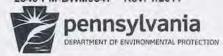


typed each	or legit	ly printed in the space d sheet as Form 26R,	s provided. If additional	quired information must space is necessary, iden mber and identify the date noted below.	tify Date Re	EP USE ( ceived & G	ONLY General Notes
Gener	al Refe	rence 287.54					
Date P	repare	d/Revised Fe	bruary 11, 2011				
		SECTION A.	CLIENT (GENERAT	OR OF THE WASTE) IN	FORMATIO	N	
	any Nar				1222 - 121		
		ergy USA Inc.	19497			DA C	
		y, Name of Parent Com ergy Inc.	pany			IPA Gene I/A	rator ID#
Comp		ling Address Line 1		Company Mailing Addre		977	
200000000000000000000000000000000000000		fress Last Line - City	State	Zip+4	Phone		Ext
Warre	endale		PA	15086	(724) 814	-5300	
		ntact Last Name	First Name	MI	S	uffix	
Brown			Dina				
Warre	ipality			County			
The second second second	ct Phon	e Ext	Contact Email Address	Allegheny			
1000 F C 0.00	814-53	70.	dybrown@talismanus				
			ny Mailing Address (note		1	Yes	⊠ No
If 'No'	descri	be location of waste ge	neration and storage. Wa	aste is generated during the	e drilling, comple	tion, and	production of
	gas at		ell pad site located at 234	Phinney Drive, Troy Towns	hip, Bradford Co	ounty PA.	. The waste is
Munic		red in tanks onsite. Troy	County Bra	dford	State	PA	
manic	ipanty	TTOY		STE DESCRIPTION	otate	FA	E
Posi	dual	Pacin	ual Waste	TE DESCRIPTION	Unit of		Time
	Code	_00 Ltd (A.B.)	Description	Amount	Measure		Frame
802		Brine and Wastewate		504	□ cu yd □ g	gal	
002		brille and wastewate			☐ lb	on 🔲	One Time
				PROPERTIES			
a.	pH Ra		to 7	(based on analyses or k	nowledge)		
b.	Physic	cal State	Liquid Waste (EPA Solid (EPA Method Gas (ambient tempe	9095)			
C.	Physic	cal Appearance		yellow/brown Odo	11101100110	on	
			Number of Solid or Liq	uid Phases of Separation	One		-
			Describe each phase o	f separation. Liquid			
			O CUERNON ANN	VOID ATTACHMENTO			
	Thorn	culta of a dotailed show		YSIS ATTACHMENTS the waste, as described in	, the	⊠ Yes	П №
a.	instru	ctions, is attached.					
b.			waste sampling method i			Yes     ✓	No
C.	The quattach		control procedures emp	loyed by the laboratory(in	es) is	Yes	☐ No
d.			waste determination is a	ttached.		⊠ Yes	□ No
e.	If appl	icable, a detailed expla	nation supporting use of		Yes	☐ No	⊠ N/A
	lieu of	actual chemical analys	is is attached.	The state of the s			

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes  No  tions, is attached.
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE  1. PROCESSING OR DISPOSAL FACILITY(IES)
The	area below (ad.) will accomn	nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit number 0008451	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility
	Address Line 1	Old Trail Road
	Address Line 1	P.O. Box 517
	Address City State ZIP	Shamokin Dam PA 17876
	Municipality	Shamokin Dam County Snyder
C.	Facility Contact Name Title	Sheldon Kowaleski
	Phone	(570) 884-1235 Email Address
d.	Volume of waste shipped t 43	o processing or disposal facility in the previous year.  Cu yd Gal Db Ston (check one)
a.	Solid waste permit number 101508	r(s) for processing or disposal facility being utilized.
b.	Facility Name	PA Brine
	Address Line 1	5148 US 322
	Address Line 1	
	Address City State ZIP	Franklin PA 16323
	Municipality	Franklin County Venango
c.	Facility Contact Name Title	Elton DeLong
	Phone	(814) 437-3593 Email Address info@pabrine.com
d.	Volume of waste shipped to 71	o processing or disposal facility in the previous year.  Cu yd  Gal  b  cu yd  check one)
		2. BENEFICIAL USE
a.	Has the waste been approv	ved for beneficial use? ☐ Yes ☐ No
	If "Yes", list the general pe	rmit number or approval number.
b.	Volume of waste beneficial	lly used in the previous year.

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		he manufacturing and/or pollution control processes producing Yes	No
b.	A schematic of the manufa as specified in the instruct		No
C.		on submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	N/A
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	
		Processing or Disposal Facility(ies)	
The a		nodate the identification of two facilities. Attach additional sheets if necessary.	
a.	Solid waste permit number MDD980555189	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Clean Harbors of Baltimore	
	Address Line 1	1910 Russell St	
	Address Line 1		
	Address City State ZIP	Baltimore MD 21230	
	Municipality	Baltimore County	
C.	Facility Contact Name Title		
	Phone	410-244-8200 Email Address	
d.	Volume of waste shipped t 365	o processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)	
a.	Solid waste permit number 0102784	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Waste Treatment Corp. Warren County	
	Address Line 1	341 West Harmar Street	
	Address Line 1		
	Address City State ZIP	Warren PA 16365	
	Municipality	Warren County Warren	
C.	Facility Contact Name	Rich Gorton	
	Title	- W.W	
	Phone	(814) 726-15001 Email Address info@waste-treatment.net	
d.	Volume of waste shipped t 25	o processing or disposal facility in the previous year.  Cu yd  Gal  b  cu yd  check one)	
		2. BENEFICIAL USE	
a.	Has the waste been approv	red for beneficial use?	No
		rmit number or approval number.	
b.	Volume of waste beneficial	ly used in the previous year.  Cu vd	

	SI	ECTION D. CERT	TIFICATION		
Report and all attached obtaining the information	documents and the n, I verify that the that the submission	at based upon my in submitted information on of false informatio	quiry of those indivi on is true, accurate n herein is made sub	nformation submitted in this iduals immediately responsi and complete to the best piect to the penalties of 18 Fent.	ble fo
Check the following, if app	olicable:				
I certify the information and has not		Section B-1, General F	Properties was suppl	ied to the Department for the	ne yea
Form Submitted:	☐ Form 26	6R specify)			
Date Submitted:		эрсскуу			
	ation required in §	Section B-2, Chemical	Analysis was suppl	ied to the Department for the	ne yea
and has not	changed.				
Form Submitted:	Form 20	6R			
itted:					
information r		escription	and Scheh	e Department	2000
and h	as no				
nitted:					
itted:					
ble Official		Title	Enviror		
	7		193		
	2	Date			
	_				
			100		
	_				
	_				
			ELT		
	-				



This	form mu	ist be fully and ac	curately compl	eted. All require	d information must	be	DEP	USE C	DNLY	
each	attache		26R, reference	the item number	e is necessary, ident and identify the da oted below.		ate Receive	ed & G	eneral N	lotes
Gene	ral Refer	ence 287.54				_				
Date I	Prepared	d/Revised	February 11, 2	011						
		SECTION	A. CLIENT	(GENERATOR C	OF THE WASTE) IN	FORMA	MOITA			
	any Nar									
		ergy USA Inc.								
	the state of the s	y, Name of Parent C	ompany					Gener	rator II	)#
		ergy Inc. ling Address Line 1		Com	an ann Maillea Addus	a line o	N/A			-
	ennwood			Con	npany Mailing Addres	s Line 2				
	Control of the Contro	iress Last Line – Ci	tv	State	Zip+4	Phon	P		Ex	t
	endale	nood Edot Eine O	.9	PA	15086		814-530	00		
		tact Last Name	Fir	st Name	MI	1	Suffix			
Brown			Dir	na						
Munic	ipality			Co	unty					
	endale				egheny					
	ct Phon		20.277700253	mail Address						
	814-53			@talismanusa.cor		_				
If 'No'	, descril		generation and	d storage. Waste i	ove)? s generated during the prook Road, Armenia 1		mpletion,		roduct	
waste		rarily stored onsite. Armenia		ounty Bradford			tate	PA		
			SECTIO	N B. WASTE	DESCRIPTION					
Res	idual	R	esidual Waste			Unit	of		Time	е
Waste	Code	Co	de Description		Amount	Meas	ure		Fram	e
802		Brine and Waster	water	3	332	cu yd	☐ gal		One	Timo
				1. GENERAL PRO	PERTIES	110	N TOIL	111	One	Time
a.	pH Ra	nge	6 to		ased on analyses or ki	nowledge)		_		
b.	Physic	al State		Waste (EPA Metho (EPA Method 9095 ambient temperatur	od 9095) ) re & pressure)					
C.	Physic	al Appearance	Color	Translucent yello		r Hydro	ocarbon			
					hases of Separation	One				
			Describe of	each phase of sep	aration. Liquid					
			2 Ch	IEMICAL ANALYSIS	ATTACHMENTS				-	
a.	The re	sults of a detailed of			aste, as described in	the	$\boxtimes$	Yes		No
		ctions, is attached.		!! 4b 4 !44			57	V		NI-
b.		iled description of				al la		Yes	H	No
C.	attach		anty control pro	cedures employe	d by the laboratory(ie	5) 15		Yes		No
d.		sults of the hazardo	ous waste deter	mination is attach	ed.			Yes		No
e.		icable, a detailed ex actual chemical an			erator knowledge in	Yes		No		N/A

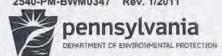
	A detailed description of the the waste, as specified in the A schematic of the manufacture as specified in the instruction	ne instructions, is attached.		esses producing	∀es	☐ No
		sturing and/or pollution con				
c.			ntrol processes pro	ducing the waste,	⊠ Yes	☐ No
	If portions of the informatic a confidentiality claim, as d			on for Yes	☐ No	⊠ N/A
	SECT	ION C. MANAGEME				
The are	ea below (ad.) will accomm	PROCESSING OR D     odate the identification of to			if necessar	rv.
a.	Solid waste permit number 0008451	Mary 1. The Address of Court of Mary 1995 (Sept. 1995)				
	Facility Name Address Line 1 Address Line 1	Sunbury Generation W Old Trail Road (P.O. B		ent Facility		
	Address City State ZIP Municipality	Shamokin Dam Shamokin Dam	PA County	17876 Snyder		
	Facility Contact Name Title Phone	Sheldon Kowaleski (570) 884-1235	Email Address			
	Volume of waste shipped to 205	processing or disposal fac	cility in the previous		i.	
	Solid waste permit number( 101508	s) for processing or dispos	al facility being uti	lized.		
	Facility Name Address Line 1 Address Line 1	PA Brine 5148 US 322				
	Address City State ZIP Municipality	Franklin Franklin	PA County	16323 Venango		
	Facility Contact Name Title	Elton DeLong				
d.	Phone Volume of waste shipped to 64	(814) 437-3593  processing or disposal fac	Email Address  cility in the previous			
			ICIAL USE	(Silver Silver		
	Has the waste been approve if "Yes", list the general per	ed for beneficial use?			Yes	⊠ No
	Volume of waste beneficiall			n (check one)		

		3. PROCESS DESCRIPTION & SCHEMATIC AT	TACHMENTS			
a.		e manufacturing and/or pollution control pro ne instructions, is attached.	ocesses producing	⊠ Yes	☐ No	
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.					
c.		on submitted are confidential, the substantial lescribed in the instructions, is attached.	tion for Yes	☐ No	⊠ N/A	
	SEC	TION C. MANAGEMENT OF RESID	DUAL WASTE			
		1. PROCESSING OR DISPOSAL FACILITY				
The a		odate the identification of two facilities. Atta	THE COURSE OF THE PARTY OF THE	s if necessary	<i>l</i> •	
a.	Solid waste permit number MDD980555189	(s) for processing or disposal facility being u	utilized.			
b.	Facility Name	Clean Harbors of Baltimore				
	Address Line 1	1910 Russell St				
	Address Line 1	B. W	0.7000			
	Address City State ZIP Municipality	Baltimore MD Baltimore County	21230			
		Baltimore				
C.	Facility Contact Name Title					
	Phone	410-244-8200 Email Address				
d.	- 1 Marian	processing or disposal facility in the previo				
u.	44	cu yd gal lb		e)		
a.	Solid waste permit number 0102784	s) for processing or disposal facility being u	utilized.			
b.	Facility Name	Waste Treatment Corp. Warren County	y			
	Address Line 1	341 Harmar Street				
	Address Line 1	740	200			
	Address City State ZIP	Warren PA	16365			
	Municipality	Warren County	Warren			
C.	Facility Contact Name Title	Rich Gorton				
	Phone	(814) 726-1500 Email Address	info@waste-trea	atmost not		
				aument.net		
d.	19	processing or disposal facility in the previo		e)		
		2. BENEFICIAL USE				
a.	Has the waste been approv			Yes	⊠ No	
		mit number or approval number.				
b.	Volume of waste beneficial	y used in the previous year.  ☐ cu yd ☐ gal ☐ lb ☐ !	ton (check one			

Signature

SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment. Check the following, if applicable: I certify the information required in Section B-1, General Properties was supplied to the Department for the year and has not changed. Form Submitted: Form 26R Other (specify) **Date Submitted:** I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year \_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: I certify the information required in Section B-3, Process Description and Schematic, was supplied to the Department for the year \_\_\_\_ and has not changed. Form Submitted: Form 26R Other (specify) Date Submitted: Name of Responsible Official Title **Environmental Specialist** Dina Brown

Date



			curately completed. All re			P USE ONLY
each	attache	d sheet as Form 2	aces provided. If additiona 6R, reference the item nu sheets needs to match the o	mber and identify the		ived & General Notes
Gene	ral Refer	ence 287.54				
Date I	Prepared	I/Revised	February 11, 2011			
		SECTION	A. CLIENT (GENERAT	OR OF THE WASTE) I	NFORMATION	l
	any Nan					
		ergy USA Inc. Name of Parent C			ED	A Consented ID#
	man Ene	MALE CONTROL OF THE PARTY OF TH	ompany		N/A	A Generator ID#
		ling Address Line 1		Company Mailing Addre		,
The second second second	ennwood					
		Iress Last Line - Cit			Phone	Ext
	endale		PA	15086	(724) 814-5	
Brown	And the last the second second	tact Last Name	First Name Dina	MI	Su	ffix
	cipality		Dilla	County		
	endale			Allegheny		
Conta	ct Phon	e Ext	Contact Email Addres			
	814-532		dybrown@talismanus			
If 'No'	, describ	e location of waste	npany Mailing Address (not generation and storage. <u>W</u> L well pad site in Armenia To	aste is generated during th		
	onsite.	Armenia	County Bra	adford	State	PA
333723703		· Artiserius		STE DESCRIPTION		
Res	idual	Re	sidual Waste		Unit of	Time
Waste	e Code	Co	de Description	Amount	Measure	Frame
802		Brine and Wastev	/ater	81	□ cu yd □ ga	
XV;		1530 3340 4 100 4 100	1 GENERA	L PROPERTIES	☐ lb        tor	n    One Time
a.	pH Rai	nge	6 to 7	(based on analyses or	knowledge)	
b.	Physic	al State	□ Liquid Waste (EPA     □ Solid (EPA Method     □ Gas (ambient temp	Method 9095) 9095) erature & pressure)		
C.	Physic	al Appearance		t yellow/brown Od quid Phases of Separation	1 1) di occino	n
			Describe each phase	of separation. <u>Liquid</u>		
			2. CHEMICAL ANA	LYSIS ATTACHMENTS		
a.		sults of a detailed c	hemical characterization of	the waste, as described	in the	
b.	A deta	iled description of t	he waste sampling method			Yes No
C.	The quattache		lity control procedures em	ployed by the laboratory(	ies) is	Yes No
d.		AND DESCRIPTION OF THE PROPERTY OF THE	us waste determination is a			
е,		cable, a detailed ex actual chemical and	planation supporting use onlysis is attached.	f generator knowledge in	☐ Yes ☐	No N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS		
a.		ne manufacturing and/or pollution control processes producing he instructions, is attached.	⊠ Yes	☐ No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution control processes producing the waste, ions, is attached.	⊠ Yes	☐ No
c.		on submitted are confidential, the substantiation for Yes described in the instructions, is attached.	□ No	⊠ N/A
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE		
The	area below /a -d \ will accomm	<ol> <li>PROCESSING OR DISPOSAL FACILITY(IES)</li> <li>nodate the identification of two facilities. Attach additional sheets</li> </ol>	if nococean	,
a.		(s) for processing or disposal facility being utilized.	ii liecessai	y.
b.	Facility Name	PA Brine		
	Address Line 1	5148 US 322		
	Address Line 1			
	Address City State ZIP	Franklin PA 16323		
	Municipality	Franklin County Venango		
C.	Facility Contact Name Title	Elton DeLong		
	Phone	(814) 437-3593 Email Address info@pabrine.co	om	
d.	Volume of waste shipped to 81	o processing or disposal facility in the previous year.  Cuyd gal lb it ton (check one	)	
a.	Solid waste permit number	(s) for processing or disposal facility being utilized.		
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP			
	Municipality	County		
c.	Facility Contact Name Title			
	Phone	Email Address		
d.	Volume of waste shipped to	o processing or disposal facility in the previous year.  Cuyd Gal Db ton (check one	)	
		2. BENEFICIAL USE		
a.	Has the waste been approv	ed for beneficial use?	Yes	⊠ No
		rmit number or approval number. ly used in the previous year.		

# SECTION D. CERTIFICATION I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual

Che	ck the following, if applic	able:						
	I certify the informati		ired in Section B-1, General Properties was supplied to the Department for the year					
	Form Submitted:		Form 26R					
			Other (specify)					
	Date Submitted:							
	I certify the information required in Section B-2, Chemical Analysis was supplied to the Department for the year and has not changed.							
	Form Submitted:		Form 26R					
			Other (specify)					
	Date Submitted:							
			ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.					
	for the year and							
	Form Submitted:		Form 26R					
			Form 26R Other (specify)					
	Form Submitted:							
Nam	Form Submitted:		Other (specify)					



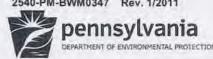
This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.						DEP USE ONLY  Date Received & General Notes				
General	Refer	ence 287.54								
Date Pre	epared	I/Revised	February 11, 2011							
		SECTION	A. CLIENT (GENERA	TOR OF THE WASTE)	INFORMA	TION				
Compar										
		ergy USA Inc.								
		, Name of Parent Co	ompany				Gener	ator ID	)#	
Talisma						N/A				
		ing Address Line 1		Company Mailing Add	ress Line 2					
50 Penr		ress Last Line - Cit	v Sta	te Zip+4	Phone			Ext		
Warren		iess Last Line - Cit	PA PA	15086	7.556.556.00	814-530	0	EX		
		tact Last Name	First Name	MI	(124)	Suffix		-		
Brown	,	ASST PROTECTIONS	Dina			94111				
Municip	ality			County						
Warrend	dale			Allegheny						
Contact		7.00	Contact Email Addres							
(724)81			dybrown@talismanu							
If 'No', d natural g	escrib as at t	e location of waste	pany Mailing Address (no generation and storage. <u>V</u> 143 D well pad site in Troy To	Vaste is generated during t	the drilling, cor PA. The was	npletion,	Yes and p poraril	roducti	No ion of d in	
Municipa		Troy		adford		ate	PA			
				STE DESCRIPTION			1	-		
Residu Waste C			sidual Waste le Description	Amount	Unit of Measu			Fram		
1819-15	oue				ureasu Cu yd	gal		riain	е	
802		Brine and Wastew	ater	941	□ lb	⊠ ton		One 7	Time	
			1. GENERA	AL PROPERTIES		- Contract of the Contract of			11.13	
a. p	H Rar	nge .	6 to 7	(based on analyses or	knowledge)					
		al State		d 9095) perature & pressure)						
c. F	hysic	al Appearance				carbon				
				quid Phases of Separation	on One					
			Describe each phase	of separation. <u>Liquid</u>						
				ALYSIS ATTACHMENTS						
i	nstruc	tions, is attached.	nemical characterization of		in the		Yes	Ш	No	
			ne waste sampling method		- N. E	-	Yes		No	
	The quattache		lity control procedures em	ployed by the laboratory	(ies) is		Yes		No	
d. T	The res	sults of the hazardo	us waste determination is	attached.			Yes		No	
		cable, a detailed exp actual chemical ana	planation supporting use of	of generator knowledge in	1 Yes		No	X	N/A	

a.			IN & SCHEMATIC ATTAC						
	A detailed description of the the waste, as specified in t			sses producing	⊠ Y	'es		No	
b.	A schematic of the manufa as specified in the instruct		control processes prod	ucing the waste,	⊠ Y	'es		No	
c.	If portions of the information a confidentiality claim, as of			for Yes		lo	$\boxtimes$	N/A	
	SEC	TION C. MANAGEI	MENT OF RESIDU	AL WASTE					
			R DISPOSAL FACILITY(IE	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM					
The :	area below (ad.) will accomm	nodate the identification of	of two facilities. Attach	additional sheets	if neces	ssary.			
a.	Solid waste permit number MDD980555189	r(s) for processing or dis	posal facility being utili	zed.					
b.	Facility Name	Clean Harbors of Baltimore							
	Address Line 1	1910 Russell St							
	Address Line 1								
	Address City State ZIP	Baltimore	MD	21230					
	Municipality	Baltimore	County						
C.	Facility Contact Name Title								
	Phone	410-244-8200	Email Address						
d.	Volume of waste shipped to 641	o processing or disposal	facility in the previous	year. (check one)	)				
				and					
a.	Solid waste permit number 101508	(s) for processing or dis	posal facility being utili	zeu.					
		(s) for processing or dis	posal facility being utili	zeu.		-			
	101508		posal facility being utili	zeu.					
	101508  Facility Name Address Line 1 Address Line 1	PA Brine	posal facility being utili	zeu.					
	101508  Facility Name Address Line 1 Address Line 1 Address City State ZIP	PA Brine 5148 US 322 Franklin	PA	16323					
	101508  Facility Name Address Line 1 Address Line 1	PA Brine 5148 US 322							
a. b.	101508  Facility Name Address Line 1 Address Line 1 Address City State ZIP	PA Brine 5148 US 322 Franklin	PA	16323					
b.	101508  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	PA Brine 5148 US 322 Franklin Franklin	PA	16323	m				
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	PA Brine 5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593	PA County Email Address	16323 Venango info@pabrine.co					
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	PA Brine 5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593  o processing or disposal  cu yd gal	PA County Email Address facility in the previous	16323 Venango info@pabrine.co year.					
b. c.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	PA Brine 5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593  o processing or disposal  cu yd gal  2. Ber	PA County  Email Address  facility in the previous  □ lb ☑ ton	16323 Venango info@pabrine.co year.		es		No	
b. c.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to	PA Brine 5148 US 322  Franklin Franklin Elton DeLong  (814) 437-3593  o processing or disposal	PA County  Email Address facility in the previous  □ lb ⊠ ton	16323 Venango info@pabrine.co year.		es		No	

# SECTION D. CERTIFICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for

Che	ck the following, if applica	ble:	
	I certify the information		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information		ired in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		Other (specify)
			ed in Section B-3, Process Description and Schematic, was supplied to the Departmen
	I certify the information		ed in Section B-3, Process Description and Schematic, was supplied to the Departmen
	I certify the information for the year and I		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	I certify the information for the year and I		red in Section B-3, Process Description and Schematic, was supplied to the Department changed.  Form 26R
Nam	I certify the information for the year and I Form Submitted:		red in Section B-3, Process Description and Schematic, was supplied to the Department changed.  Form 26R
	I certify the information for the year and left form Submitted:		red in Section B-3, Process Description and Schematic, was supplied to the Department changed.  Form 26R  Other (specify)



### COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.							DEP USE ONLY  Date Received & General Notes			
Gener	ral Refe	rence 287.54								
Date I	Prepare	d/Revised F	ebruary 11, 2011							
		SECTION A	. CLIENT (GENERA	TOR OF THE WA	STE) INFO	RMATIC	N			
	any Na									
		ergy USA Inc.								
		y, Name of Parent Con	ipany				EPA Gener	ator ID#		
		ergy Inc. lling Address Line 1		Company Mailin	a Addrose I		V/A			
	ennwood			Company manni	y Address L	ille Z				
		dress Last Line - City	Sta	te Zip+4		Phone		Ext		
	endale		PA			(724) 814	-5300			
10 CA 11 CA	the state of the s	ntact Last Name	First Name		MI	5	Suffix			
Brown			Dina	•						
	endale			County						
	ct Phon	e Ext	Contact Email Addre	Allegheny	-					
Market State State	814-53		dybrown@talismanu							
If 'No'	, descri	be location of waste ge	any Mailing Address (no eneration and storage. \( \frac{1}{2} \) 7 D well pad site located a is onsite.	Naste is generated of						
	ipality	Troy		radford		State	PA			
			SECTION B. WA	ASTE DESCRIP	PTION					
	idual		dual Waste			Unit of		Time		
Waste	Code	Code	Description	Amount		-	Measure Fra			
802		Brine and Wastewat	er	705	The state of the s	b 🛛	gal	One Time		
			1. GENER	AL PROPERTIES				2112 10112		
a.	pH Ra	nge 6	to 7	(based on analy	yses or know	ledge)				
b.	Physic	cal State	□ Liquid Waste (EPA     □ Solid (EPA Metho     □ Gas (ambient tem		)					
C.	Physic	cal Appearance		nt yellow/brown	Odor	Hydrocart	oon			
			Number of Solid or L			One	One			
			Describe each phase	of separation. Liqu	nid					
			2. CHEMICAL AN	ALYSIS ATTACHMEN	NTS					
a.		sults of a detailed che ctions, is attached.	mical characterization of	The second secon		9	⊠ Yes	□ No		
b.			waste sampling method	is attached.			X Yes	☐ No		
c.		ality assurance/qualit	y control procedures en		oratory(ies) i	S	⊠ Yes	□ No		
d.		-3.00-3	waste determination is	attached.			∀es	☐ No		
e.		icable, a detailed expla actual chemical analy	anation supporting use on sis is attached.	of generator knowle	edge in	Yes	□ No	⊠ N/A		

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		the manufacturing and/or pollution control processes producing Yes No the instructions, is attached.	
b.	A schematic of the manufa as specified in the instruc	acturing and/or pollution control processes producing the waste, Yes No tions, is attached.	
C.		ion submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.	Ì
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	
		Processing or Disposal Facility(ies)	
The a		modate the identification of two facilities. Attach additional sheets if necessary.	1
a.	Solid waste permit numbe MDD980555189	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Clean Harbors of Baltimore	
	Address Line 1	1910 Russell St	
	Address Line 1 Address City State ZIP	Baltimore MD 21230	-
	Municipality	Baltimore County	i
C.	Facility Contact Name		
	Title		i
	Phone	410-244-8200 Email Address	
d.	Volume of waste shipped to 84	to processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☑ ton (check one)	
a.	Solid waste permit numbe 0008451	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility	
	Address Line 1	Old Trail Road (P.O. BOX 517)	
	Address Line 1 Address City State ZIP	Chaire alife Dans DA 47070	
	Municipality	Shamokin Dam PA 17876 Shamokin Dam County Snyder	-
C.	Facility Contact Name	Sheldon Kowaleski	-
	Title	Sheldon Rowaleski	
	Phone	(570) 884-1235 Email Address	
d.	Volume of waste shipped t 621	to processing or disposal facility in the previous year.  □ cu yd □ gal □ lb ☒ ton (check one)	
17		2. BENEFICIAL USE	7
a.	Has the waste been approv	ved for beneficial use?	
		ermit number or approval number.	
b.	Volume of waste beneficia	Ily used in the previous year.  cu yd gal lb ton (check one)	

### SECTION D. CERTIFICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report, and all attached documents and that based upon my inquiry of those individuals immediately responsible for

Che	ck the following, if applica	ble:	
	I certify the information and has not char		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not char		ired in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information for the year and I		ed in Section B-3, Process Description and Schematic, was supplied to the Departmer t changed.
	for the year and I		t changed.
	for the year and I		t changed. Form 26R
Nam	for the year and I		t changed. Form 26R
	for the year and I Form Submitted:  Date Submitted:		t changed.  Form 26R  Other (specify)



This	form m	ust be fully and accur	ately completed. All re-	quired information must	be	DEP USE ONLY
each	attache	d sheet as Form 26R	es provided. If additional reference the item nu- ets needs to match the d	mber and identify the d		eceived & General Notes
Gene	ral Refe	rence 287.54				
Date	Prepare	d/Revised Fe	ebruary 11, 2011			
1		SECTION A.	CLIENT (GENERAT	OR OF THE WASTE) IN	FORMATIC	ON
Comp	oany Na					
		ergy USA Inc.				
THE RESIDENCE OF THE PARTY OF T		y, Name of Parent Com	pany			EPA Generator ID#
		ergy Inc. iling Address Line 1		Company Mailing Addre		N/A
	ennwoo			Company Maining Addre	33 Lille 2	
		dress Last Line - City	State	Zip+4	Phone	Ext
	endale		PA	15086	(724) 814	
100000000000000000000000000000000000000	A COLUMN TO SERVICE AND ADDRESS.	ntact Last Name	First Name	MI		Suffix
Brown	n		Dina	County		
	endale			Allegheny		
	act Phon	e Ext	Contact Email Address			
	814-53		dybrown@talismanus			
If 'No'		be location of waste ge	iny Mailing Address (note neration and storage. Will ad site located at 1162 Burn	aste is generated during the		
waste		prarily stored in tanks one Jackson			State	
			SECTION B. WAS	STE DESCRIPTION		
	idual		dual Waste		Unit of	Time
Waste	e Code	Code	Description	Amount	Measure	Frame
802		Brine and Wastewate	er	21		gal One Time
			1. GENERAL	PROPERTIES		ton   D One time
a.	pH Ra	nge 6	to 7	(based on analyses or k	nowledge)	
b.	Physic	cal State	□ Liquid Waste (EPA     □ Solid (EPA Method     □ Gas (ambient temperature)	9095)		
C.	Physic	cal Appearance		yellow/brown Odo	11,100000	bon
				uid Phases of Separation	One	
			Describe each phase o	f separation. Liquid		
-			2 CHEMICAL ANAL	YSIS ATTACHMENTS		
a.		sults of a detailed cher ctions, is attached.	mical characterization of		n the	⊠ Yes □ No
b.			waste sampling method i	s attached.		⊠ Yes □ No
C.	The quattach		control procedures emp	loyed by the laboratory(i	es) is	⊠ Yes □ No
d.	The re	sults of the hazardous	waste determination is a	ttached.		
е.		icable, a detailed expla actual chemical analys	nation supporting use of sis is attached.	generator knowledge in	☐ Yes	□ No ⊠ N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
a.		he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste,   Yes  No  tions, is attached.
c.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE
1911		Processing or Disposal Facility(ies)
		nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit numbe 0102784	r(s) for processing or disposal facility being utilized.
b.	Facility Name	Waste Treatment Corp Warren County
	Address Line 1	341 West Harmar Street
	Address Line 1	
	Address City State ZIP	Warren PA 16365
	Municipality	Warren County Warren
C.	Facility Contact Name Title	Rich Gorton
	Phone	(814) 726-1500 Email Address info@waste-treatment.net
d.	Volume of waste shipped to 21	to processing or disposal facility in the previous year.  cu yd gal lb ton (check one)
a.	Solid waste permit number	r(s) for processing or disposal facility being utilized.
b.	Facility Name	
	Address Line 1	
	Address Line 1	
	Address City State ZIP	
	Municipality	County
C.	Facility Contact Name	
	Title	THE HALL
	Phone	Email Address
d.	Volume of waste shipped t	to processing or disposal facility in the previous year.  Cu yd gal lb ton (check one)
		2. BENEFICIAL USE
a.	Has the waste been approv	ved for beneficial use?
		ermit number or approval number.
b.	Volume of waste beneficia	Ily used in the previous year,  cu yd gal b ton (check one)

Signature

			SECTION	D. CERTIFICATION
Repo obta knov	ort and all attached docu ining the information, I viedge. I understand that	iments verify t the s	and that based u that the submitted ubmission of false	mined and am familiar with the information submitted in this Annual upon my inquiry of those individuals immediately responsible for d information is true, accurate and complete to the best of my information herein is made subject to the penalties of 18 Pa. C.S. hich include fine and imprisonment.
Chec	k the following, if applical	ble:		
	I certify the information and has not chan		ired in Section B-1	, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the information		ired in Section B-2	, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the information for the year and h			Process Description and Schematic, was supplied to the Department
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
Nam	e of Responsible Official			Title Environmental Specialist
Dina	Brown	,		

Date 2/25/4



This	form m	ust be fully and acc	urately completed. All r	equired information mus	st be	DEP L	ISE O	NLY
each	attache	d sheet as Form 26	ces provided. If additiona R, reference the item n heets needs to match the	umber and identify the		ate Receive	d & G∈	neral Notes
Gene	ral Refe	rence 287.54						
Date	Prepare	d/Revised	February 11, 2011					
		SECTION	A. CLIENT (GENERA	TOR OF THE WASTE)	INFORM	ATION		
	pany Nai							
		ergy USA Inc.	Asserted					1 154
		y, Name of Parent Co ergy Inc.	ompany			N/A	ener	ator ID#
		ling Address Line 1		Company Mailing Add	race Lina 2	IN/A	_	
	ennwood			Company Maning Add	CSS LINE Z			
	and the second second	dress Last Line - City	y Sta	te Zip+4	Phor	ie		Ext
Warr	endale		PA	15086	(724	) 814-530	0	77
		ntact Last Name	First Name	MI		Suffix		
Brow	0.0		Dina					
	cipality			County				
	endale act Phon	e Ext	Contact Email Addre	Allegheny	-		-	
	814-53		dybrown@talismanu					
If 'No natura	', descri	be location of waste	pany Mailing Address (no generation and storage. \( \frac{1}{2} \)  Twell pad site located at 10	Vaste is generated during t		ompletion.		
	cipality	Troy		adford		State	PA	
			SECTION B. WA	ASTE DESCRIPTION	V			
	sidual	0.0 400	sidual Waste		Unit	UEC.		Time
Wast	e Code	Cod	e Description	Amount	Meas			Frame
802		Brine and Wastew	ater	286	☐ cu yd	☐ gal	П	One Time
			1. GENER	AL PROPERTIES		200		2112 11119
a.	pH Ra	nge	6 to 7	(based on analyses or	knowledge)			
b.	Physic	cal State						
C.	Physic	cal Appearance	Number of Solid or L	iquid Phases of Separation		ocarbon		
			Describe each phase	of separation. Liquid				
			2. CHEMICAL AN	ALYSIS ATTACHMENTS				
a.		sults of a detailed ch ctions, is attached.	nemical characterization of	f the waste, as described	in the	$\boxtimes$	Yes	☐ No
b.			e waste sampling method				Yes	☐ No
C.	The quattach		lity control procedures en	ployed by the laboratory	(ies) is	$\boxtimes$	Yes	□ No
d.			us waste determination is	Control of the Contro			Yes	☐ No
e.		icable, a detailed exp actual chemical ana	planation supporting use of lysis is attached.	of generator knowledge in	Ye:	s 🔲 1	Vo	⊠ N/A

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS						
a.		ne manufacturing and/or pollution control processes producing Yes No he instructions, is attached.						
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,   Yes  No as specified in the instructions, is attached.							
C.	If portions of the information a confidentiality claim, as	on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.						
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE						
Tho	aroa bolow /a -d \ will accomm	PROCESSING OR DISPOSAL FACILITY(IES)  nodate the identification of two facilities. Attach additional sheets if necessary.						
a.		r(s) for processing or disposal facility being utilized.						
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility						
	Address Line 1	Old Trail Road, P.O. BOX 517						
	Address Line 1							
	Address City State ZIP	Shamokin Dam PA 17876 Shamokin Dam County Snyder						
	Municipality							
C.	Facility Contact Name Title	Sheldon Kowaleski						
	Phone	(570) 884-1235 Email Address						
d.	Volume of waste shipped t 261	o processing or disposal facility in the previous year.  Cu yd  Gal  Ib  Check one)						
а.	Solid waste permit number 101508	(s) for processing or disposal facility being utilized.						
b.	Facility Name	PA Brine						
	Address Line 1	5148 US 322						
	Address Line 1							
	Address City State ZIP	Franklin PA 16323 Franklin County Venango						
	Municipality	9						
C.	Facility Contact Name Title	Elton DeLong						
	Phone	(814) 437-3593 Email Address info@pabrine.com						
d.	Volume of waste shipped to 25	o processing or disposal facility in the previous year.  Cu yd  gal  lb  check one)						
-		2. BENEFICIAL USE						
a.	Has the waste been approv	red for beneficial use?						
		rmit number or approval number.						
b.	Volume of waste beneficial	ly used in the previous year.  cu yd gal lb ton (check one)						

		SECTION D.	. CERTIFICATION
Report and all attached obtaining the information knowledge. I understand	documents I, I verify that the si	and that based upo that the submitted in ubmission of false int	ined and am familiar with the information submitted in this Annual on my inquiry of those individuals immediately responsible for information is true, accurate and complete to the best of my offormation herein is made subject to the penalties of 18 Pa. C.S. of include fine and imprisonment.
Check the following, if app	licable:		
I certify the information and has not		red in Section B-1, G	General Properties was supplied to the Department for the year
Form Submitted:		Form 26R	
		Other (specify)	
Date Submitted:			
I certify the information and has not a		red in Section B-2, C	Chemical Analysis was supplied to the Department for the year
Form Submitted:		Form 26R	
		Other (specify)	
Date Submitted:			
l certify the information for the year a	The control of the co		ocess Description and Schematic, was supplied to the Department
Form Submitted:		Form 26R	
		Other (specify)	
Date Submitted:			
Name of Responsible Office	ial		Title Environmental Specialist
Dina Brown		11	
Signature	3		Date 2/25/4



				quired information must		DEP			
each	attache	d sheet as Form 26R,		space is necessary, identify the ditate and identify the ditate noted below.		ate Receive	d & G	eneral Not	as
Gener	al Refer	rence 287.54							
Date F	repare	d/Revised Fe	bruary 11, 2011						
		SECTION A.	CLIENT (GENERATO	OR OF THE WASTE) IN	IFORM/	ATION			'
	any Nar					CO-T-DOTT-			
		ergy USA Inc.				EDA	~		
		y, Name of Parent Comp ergy Inc.	bany			N/A	sene	rator ID#	
		ling Address Line 1		Company Mailing Addres	ss Line 2	FNOT	_		
	nnwood			een to a manufacture of	20.00.00				
		dress Last Line - City	State	F57762-1733	Phor			Ext	
	endale		PA	15086	(724	) 814-530			
Brown		ntact Last Name	First Name Dina	MI		Suffix			
	ipality		Diria	County			-	-	
	endale		*	Allegheny					
	ct Phon	e Ext	Contact Email Address						
	814-53		dybrown@talismanusa						
			ny Mailing Address (note				Yes	⊠ N	
				aste is generated during the					1 of
tempo	gas at t	red in tanks onsite.	ad site located at 257 Thori	has Lane, Troy Township, E	sradiord C	ounty, PA	. The	waste is	
	ipality	Troy	County Brad	dford	5	State	PA		
7-			SECTION B. WAS	STE DESCRIPTION					
Resi	idual	Resid	ual Waste		Unit	of		Time	
Waste	Code	Code I	Description	Amount	Meas			Frame	
802		Brine and Wastewate	r	93	u cu yd	gal			
200				PROPERTIES	☐ lb	⊠ ton		One Tin	10
a.	pH Ra	nge 6	to 7	(based on analyses or k	nowledge)		_		
b.		al State	☐ Liquid Waste (EPA I		nowledge)	-	_		
J.	inysic	ou out	Solid (EPA Method 9	9095)					
C.	Physic	al Appearance		yellow/brown Odo	r Hydr	ocarbon			
	100	121-01-1277000-0		uid Phases of Separation					
			Describe each phase of	f separation. Liquid					
				NAME AND ADDRESS OF THE PARTY O					
	71			YSIS ATTACHMENTS	46	57	V		
a.	instru	ctions, is attached.		he waste, as described in	1 the		Yes	□ N	
b.			vaste sampling method is		X 4		Yes	□ N	-
C.	The quattach		control procedures emp	loyed by the laboratory(is	es) is		Yes	□ N	0
d.			waste determination is at	tached.		×	Yes	ПИ	0
e.	If appl		nation supporting use of		☐ Yes		No		/A

		3. PROCESS DESCRIPTION &	A OUTLINATIO MITA	OTHERIO			
a.		ne manufacturing and/or pol he instructions, is attached.		esses producing		Yes	No
b.	A schematic of the manufa as specified in the instruct	cturing and/or pollution con ions, is attached.	trol processes pro	ducing the waste,		Yes	No
C.		on submitted are confidentia described in the instructions		on for Yes		No	N/A
	SEC	TION C. MANAGEME	NT OF RESID	UAL WASTE			
		1. PROCESSING OR DI					
The	area below (ad.) will accomm				if nece	essary	
а.	Solid waste permit number 0008451	(s) for processing or dispos	al facility being ut	ilized.			
b.	Facility Name	Sunbury Generation W	astewater Treatm	ent Facility			
	Address Line 1	Old Trail Road	200000000000000000000000000000000000000				
	Address Line 1	P.O. Box 517					
	Address City State ZIP	Shamokin Dam	PA	17876			
	Municipality	Shamokin Dam	County	Snyder			
C.	Facility Contact Name Title	Sheldon Kowaleski					
	Phone	(570) 884-1235	Email Address				
d.	93	o processing or disposal fac cuyd gal gal (s) for processing or dispos	☐ lb 🛛 to	n (check one	)		
a.	Solid waste permit humber	(s) for processing or dispos	ar racinty being ut	ilizeo.			
b.	Facility Name						-
		1				-	-
	Address Line 1						
	Address Line 1 Address Line 1						
	Address Line 1 Address Line 1 Address City State ZIP		County				
c	Address Line 1 Address Line 1 Address City State ZIP Municipality		County				
c.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name		County				
c.	Address Line 1 Address Line 1 Address City State ZIP Municipality		County  Email Address				
	Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone	n nyonnesing or disposal for	Email Address	o wase			
c.	Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone	o processing or disposal fac	Email Address				
d.	Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped t	cu yd gal 2. Benef	Email Address				
	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t	cu yd gal 2. BENEF	Email Address cility in the previou b to			Yes	No
d.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to Has the waste been approving "Yes", list the general personal results to the second of the second o	cu yd gal 2. Benef	Email Address cility in the previou b to ICIAL USE			Yes	No

			SECTION	N D. CERTIFICATION
Repo obtai know	rt and all attached doc ning the information, I ledge. I understand tha	uments verify at the s	and that based that the submit ubmission of fal-	xamined and am familiar with the information submitted in this Annual I upon my inquiry of those individuals immediately responsible for ted information is true, accurate and complete to the best of my se information herein is made subject to the penalties of 18 Pa. C.S. which include fine and imprisonment.
Chec	k the following, if applica	able:		
	I certify the informatio		red in Section E	3-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the informatio		red in Section E	3-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
	I certify the information for the year and			, Process Description and Schematic, was supplied to the Department
	Form Submitted:		Form 26R	
			Other (specify)	
	Date Submitted:			
Name	of Responsible Official			Title Environmental Specialist
Dina	Brown		10	
Signa	iture	5	ls	Date 2/25/4



#### TALISMAN ENERGY USA INC.

50 Pennwood Place Warrendale, Pennsylvania 15086

Tel: (724) 814-5300 Fax: (724) 814-5301

February 28, 2011

Pennsylvania Department of Environmental Protection Northcentral Regional Office Bureau of Waste Management 208 W. 3<sup>rd</sup> Street, Suite 101 Williamsport, PA 17701

RE: Submittal of Form 26R Chemical Analysis of Residual Waste Annual Report by the Generator for 2010

To Whom It May Concern:

Please find enclosed Talisman Energy USA Inc.'s Form 26R Chemical Analysis of Residual Waste Annual Report by the Generator for 2010. Should you have any questions or comments concerning our reports please do not hesitate to contact me at (724) 814-5321 or dybrown@talismanusa.com.

Sincerely,

Dina E. Brown

**Environmental Specialist** 

Enclosures



This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identified each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.						<b>DEP U</b> e Receive			Notes
Gener	al Refe	rence 287.54							
Date F	repare	<b>d/Revised</b> Feb	ruary 11, 2011						
		SECTION A.	<b>CLIENT</b> (GENERATOR	R OF THE WASTE)	NFORMA <sup>*</sup>	TION			
	any Nar								
		ergy USA Inc.							
		y, Name of Parent Comp	any	•		EPA G	iener	ator II	<b>D</b> #
		ergy Inc.				N/A			
		ling Address Line 1	Co	ompany Mailing Addre	ess Line 2				
		d Place dress Last Line – City	State	Zip+4	Phone			Ext	
Warre		iress Last Line - City	PA	15086		314-530	n	EX.	ı
		ntact Last Name	First Name	13000 MI	(127)	Suffix			
Brown	-	naot East Hamo	Dina	••••		Odilix			
Munic				County					·
Warre	-			Allegheny					
Contac	ct Phon	e Ext	Contact Email Address						
	814-53		dybrown@talismanusa.c						
			y Mailing Address (noted a				Yes	$\boxtimes$	No
			eration and storage. Waste						
			d at 374 Fellows Creek Roa	<u>ld in Ward Township, Ti</u>	oga County, I	PA. The	waste	is	
tempor	arıly sto	red in tanks onsite.							
Munici	nality	Ward	County Tioga		Sta	ate	РА		
	punty	,		E DESCRIPTION			177		
Resi	dual	Residu	al Waste	L DECOMM HON	Unit c	ıf		Time	<u> </u>
Waste			escription	Amount	Measu	- 1		Fram	
	00				☐ cu yd	gal			
808		Servicing Fluid, Oil/wa	ter emuision	93	□lb	⊠ ton		One	Time
			1. GENERAL P	ROPERTIES					
a.	pH Rai	nge 6	to 7	(based on analyses or l	knowledge)				
b.	Physic	al State		thod 9095)					
			Solid (EPA Method 909	95)					
			Gas (ambient temperat	ture & pressure)					
c.	Physic	al Appearance	Color translucent yel		,	arbon			
			Number of Solid or Liquid	Phases of Separation	າ 2				
			Describe each phase of so	eparation. Liquid and	Solid				
y term i prijesje si saviji i i i i		A section of the sect	2. CHEMICAL ANALYS		segment of the specific group speciment.				
а.	instruc	ctions, is attached.	cal characterization of the	•	n the		es/	$\boxtimes$	No ————
b.			aste sampling method is a				es/	$\boxtimes$	No
c.	71	olity accurance/quality			ios) io		/es	X	No
	attach	ed.	control procedures employ		165) 15	<u></u> '	. 00	لاعا	
d.	attach	ed.	control procedures employ aste determination is attac				/es		No

#### 2540-PM-BWM0347 Rev. 1/2011

		. PROCESS DESCRIPTION				
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufact as specified in the instruction		ontrol processes pro	ducing the waste,	⊠ Yes	☐ No
C.	If portions of the information a confidentiality claim, as de			n for Yes	No	N/A
	SECTI	ON C. MANAGEM	ENT OF RESIDU	JAL WASTE		
			DISPOSAL FACILITY(IE			
The ar	ea below (ad.) will accommo	date the identification of	two facilities. Attach	additional sheets	if necessary	<b>'.</b>
a.	Solid waste permit number(s 8-0728-00004/00013	) for processing or disp	osal facility being util	ized.		
b.	Facility Name	Chemung County La	ndfill			
	Address Line 1	1690 Lake Street				
	Address Line 1					
	Address City State ZIP	Elmira	NY NY	14903		
	Municipality	Elmira City	County	Chemung		
c.	Facility Contact Name	Carla Canjar				
	Title	Environmental Mana				
	Phone	(585) 797-5941	Email Address	carla.canjar@cas	sella.com	
d.	Volume of waste shipped to 24	] cu yd 🔲 gal	☐ lb 🛛 ton	(check one)		
a.	Solid waste permit number(s PA301344	) for processing or dispo	osal facility being util	ized.		
b.	Facility Name	Environmental Recov		Ά		
' I	Address Line 1	1076 Old Manheim P	ike			
	Address Line 1					
	Address City State ZIP	Lancaster	PA	17601		
	Municipality	City of Lancaster	County	Lancaster		
c.	Facility Contact Name	Terry Leatherman				
	Title	General Manager	Email Address	:		
	Phone	(717) 393-2627		info@ercofpa.cor	n	
d.	Volume of waste shipped to p	cu yd gal	☐ lb 🛛 ton			
			FICIAL USE			
a.	Has the waste been approved				Yes	⊠ No
	If "Yes", list the general perm					
b.	Volume of waste beneficially	<b>used in the previous ye</b> a cu yd ☐ gal	ar.	(check one)		

			SECTION D. CERTIFICATION
Reportair know	t and all attached docu ling the information, I we edge. I understand that	ments erify the s	nave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check	the following, if applicab	le:	
	I certify the information and has not change	-	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not chang	-	red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information r		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name	of Responsible Official		Title Environmental Specialist
Dina E Signat	<del></del>	9	Date 2(25(11



typed each	or legik attache	ly printed in the space d sheet as Form 26R,	ately completed. All requise provided. If additional spice reference the item numbets needs to match the date	ace is necessary, idener and identify the d	tify Date Rece	P USE ONLY ived & General Notes
Gener	al Refe	rence 287.54				
Date P	repare	d/ <b>Revised</b> Fe	bruary 11, 2011			
		SECTION A.	<b>CLIENT</b> (GENERATOR	R OF THE WASTE) IN	NFORMATION	
	any Nar					
		ergy USA Inc.				
		y, Name of Parent Com	oany			A Generator ID#
		ergy Inc.		Na-ili A -lal	N/A	1
		ling Address Line 1	C	ompany Mailing Addre	SS Line 2	
		Iress Last Line – City	State	Zip+4	Phone	Ext
Warre		ness Last Line - Oity	PA	15086	(724) 814-5	
		ntact Last Name	First Name	MI	Suf	
Brown			Dina			
Munici				County		
Warre				Allegheny		
	ct Phon		Contact Email Address			
	<u>814-53</u>		dybrown@talismanusa.c			
			ny Mailing Address (noted			] Yes 🛛 No
IT 'NO',			neration and storage. Wast 193 Buckwheat Road, Troy 1			
in tanks	s onsite.		193 Buckwileat Hoad, Hoy	ownship, Diadiora Codi	ity, i A. The waste	is temporarily stored
		<b>T</b>	One who Doe 16	1	Ctata	D.A.
Munici	panty	Troy	County Bradfo		State	PA
			SECTION B. WAST	E DESCRIPTION		
Resid Waste			ual Waste Description	Amount	Unit of Measure	Time Frame
<del></del>	Code				☐ cu yd ☐ gal	
808		Servicing Fluid, Oil/w	ater emulsion	327	☐ lb      Iton	
			1. GENERAL P	ROPERTIES		
a.	pH Rai	nge 6	to 7	(based on analyses or k	nowledge)	
b.	Physic	al State		thod 9095)		
			Solid (EPA Method 909	95)		
			Gas (ambient tempera	ture & pressure)		
c.	Physic	al Appearance	Color translucent ye		11) 41 0 0 41 0 0 1	1
			Number of Solid or Liquid	•		
			Describe each phase of s	eparation. <u>Liquid and</u> :	Solid	W
			2. CHEMICAL ANALYS	SIS ATTACHMENTS		
a.	The re	sults of a detailed chen	nical characterization of the		n the	Yes No
u.	instruc	tions, is attached.				1 100 57 110
b.	A deta	iled description of the v	vaste sampling method is a	ittached.		Yes 🛛 No
c.	•		control procedures employ	yed by the laboratory(i	es) is	Yes 🛛 No
4	attache The re		waste determination is atta	ched		Yes No
d. e.			waste determination is atta- nation supporting use of ge		∑ Yes	Yes No No
	ii abbii	cable, a uctalleu explai	iation supporting use or ge is is attached.	merator knowledge in	⊠ Yes _	I IAO 🔲 IA/W

		. PROCESS DESCRIPTION				
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufact as specified in the instruction		ntrol processes pro	ducing the waste,	⊠ Yes	☐ No
c.	If portions of the information a confidentiality claim, as de			n for Yes	No	⊠ N/A
	SECTI	ON C. MANAGEM	ENT OF RESIDU	JAL WASTE		
		1. PROCESSING OR I				
The a	rea below (ad.) will accommo	date the identification of	two facilities. Attach	n additional sheets	if necessary	·-
a.	Solid waste permit number(s 08-0728-00004/00013	e) for processing or dispo	sal facility being util	ized.		
b.	Facility Name	Chemung County Lar	ndfill			
	Address Line 1	1690 Lake Street				
	Address Line 1					
	Address City State ZIP	Elmira	NY	14903		
	Municipality	Elmira	County	Chemung		
c.	Facility Contact Name	Carla Canjar				
	Title	Environmental Manag	ıer			
	Phone	585-797-5941	Email Address	carla.canjar@cas	sella.com	
				ouria.ourijar o ou		
4	Volume of waste shipped to					
d.	Volume of waste shipped to	processing or disposal fa ] cu yd gal	cility in the previous	s <b>year.</b> n (check one)		İ
d. a.		processing or disposal fa ] cu yd gal	cility in the previous	s <b>year.</b> n (check one)		
	165 Solid waste permit number(s	processing or disposal fa ] cu yd gal	icility in the previous  ightharpoonup lib  sal facility being util	s year.		
a.	165 Solid waste permit number(s PA301344	processing or disposal fa cu yd	cility in the previous ton lb	s year.		
a.	Solid waste permit number(s PA301344 Facility Name	processing or disposal fa cu yd gal ) for processing or dispo Environmental Recove	cility in the previous ton lb	s year.		
a.	Solid waste permit number(s PA301344 Facility Name Address Line 1	processing or disposal fa cu yd gal ) for processing or dispo Environmental Recove	ecility in the previous  to b ton  sal facility being utile  ery Corporation of Forke  PA	s year.		
a.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1	processing or disposal fa cu yd	acility in the previous  lb	s year. n (check one) ized. PA		
a.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address City State ZIP	processing or disposal far cuyd gal ) for processing or dispo  Environmental Recove 10760 Old Manheim F	ecility in the previous  to b ton  sal facility being utile  ery Corporation of Forke  PA	ized.  17601		
a. b.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address City State ZIP Municipality	processing or disposal farmure of the control of th	ecility in the previous  to b ton  sal facility being utile  ery Corporation of Forke  PA	ized.  17601		
a. b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	processing or disposal factory descriptions or disposal factory descriptions or disposal factory descriptions or disposal factory disposal fac	ecility in the previous  to b ton  sal facility being utile  ery Corporation of Forke  PA	ized.  17601		
a. b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone	processing or disposal faculty gal ) for processing or dispo  Environmental Recoved 10760 Old Manheim For Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627	ecility in the previous  lb	ized.  2A  17601  Lancaster  info@ercofpa.com		
a. b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title	processing or disposal farm of the control of the c	ery Corporation of Folke  PA County  Email Address cility in the previous	ized.  2A  17601 Lancaster  info@ercofpa.com	m	
a. b. c.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p	processing or disposal farm of the processing or di	ery Corporation of Forke  PA  County  Email Address  cility in the previous	ized.  2A  17601 Lancaster  info@ercofpa.com	m	
a. b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to 1 162  Has the waste been approved	processing or disposal farm of the processing or di	ery Corporation of Foliate  PA County  Email Address  cility in the previous  to be a continuous  to be a	ized.  2A  17601 Lancaster  info@ercofpa.com	m	No
a. b. c.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p 162  Has the waste been approved If "Yes", list the general perm	processing or disposal farms of the processing or disposal farms o	ery Corporation of Folke  PA County  Email Address  cility in the previous  by ton	ized.  2A  17601 Lancaster  info@ercofpa.com	m	No
a. b. c.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to 1 162  Has the waste been approved	processing or disposal farms of the processing or disposal farms o	ery Corporation of Folke  PA County  Email Address  cility in the previous  by ton	ized.  2A  17601  Lancaster  info@ercofpa.com s year. (check one)	m Yes	No No

			SECTION D. CERTIFICATION
Repo obtai know	rt and all attached docur ning the information, I v ledge. I understand that	nents erify the s	nave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Chec	k the following, if applicab	le:	
	I certify the information and has not change	•	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not change	•	red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information re for the year and ha		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name	of Responsible Official		Title Environmental Specialist
Dina I	Brown	<del>, , , ,</del>	
Signa	ture <u> </u>	11.	Date 2/25/1/



typed each	or legil attache	oly printed in the sp ed sheet as Form 2	aces pr	y completed. All requiovided. If additional speceose the item numb needs to match the date	per and identify the	ntify Da			ONLY ieneral Notes
Gener	al Refe	rence 287.54							
Date P	repare	d/Revised	Februa	ary 11, 2011					
			A. CI	LIENT (GENERATOR	R OF THE WASTE) I	NFORMA	TION		
	any Nar								
		ergy USA Inc.					FDA		
1		y, Name of Parent C	ompany	1				Gene	rator ID#
		ergy Inc. iling Address Line 1			ompany Mailing Addre		N/A		
		d Place		C	ompany waiting Addr	ess line z			
Compa	any Ado	dress Last Line – Ci	ty	State	Zip+4	Phon	е	······································	Ext
Warre	ndale			PA	15086	(724)	814-53	00	
•	-	ntact Last Name		First Name	MI		Suffi	X	
Brown				Dina	County				
Munici Warre					Allegheny				
Contac	ct Phon	e Ext		ontact Email Address					
	814-53			/brown@talismanusa.c					
				lailing Address (noted a				Yes	⊠ No
If 'No',				tion and storage. Wast					:
stored		ressor Station locate onsite.	d at 1614	4 Watkins Hill Road, Colւ	umbia Township, Bradic	ora County, i	A. The	waste	is temporarily
Stored	III taliko	onsite.							
Munici	pality	Columbia		County Bradfo	ord	s	tate	РА	
Munici	pality	Columbia	SI	County Bradfo			tate	PA	
Munici			SI Sidual	ECTION B. WAST				PA	Time
	dual	R		ECTION B. WAST		Unit Meas	of ure	PA	Time Frame
Resid	dual	R	esidual \ de Desc	ECTION B. WAST Waste cription	E DESCRIPTION	Unit Meas □ cu yd	of ure ☐ gal	PA	Frame
Resid Waste	dual	. Ro	esidual \ de Desc	ECTION B. WAST Waste cription	Amount 31	Unit Meas	of ure	PA	
Resid Waste	dual	Ro Co Servicing Fluid, C	esidual \ de Desc	ECTION B. WAST Waste cription emulsion 1. GENERAL P	Amount 31	Unit Meas □ cu yd □ lb	of ure ☐ gal	PA	Frame
Resid Waste 808	dual Code pH Ra	Ro Co Servicing Fluid, C	esidual \ de Desc il/water	ECTION B. WAST Waste cription emulsion 1. GENERAL P to 7	Amount 31 PROPERTIES (based on analyses or	Unit Meas □ cu yd □ lb	of ure ☐ gal	PA	Frame
Resid Waste 808	dual Code pH Ra	Ro Co Servicing Fluid, C	esidual V de Desc Pil/water	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me	Amount 31 PROPERTIES (based on analyses or othod 9095)	Unit Meas □ cu yd □ lb	of ure ☐ gal	PA	Frame
Resid Waste 808	dual Code pH Ra	Ro Co Servicing Fluid, C	esidual V de Desc Pil/water	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me	Amount 31 ROPERTIES (based on analyses or ethod 9095) 95)	Unit Meas □ cu yd □ lb	of ure ☐ gal	PA	Frame
Resid Waste 808	dual Code pH Ra Physic	Ro Co Servicing Fluid, C	esidual vide Descrit/water	emulsion  1. GENERAL P  to 7  Liquid Waste (EPA Method 909  Gas (ambient tempera	Amount 31 PROPERTIES (based on analyses or bthod 9095) 95) ture & pressure) Ilow/brown Ode	Unit Meas Cu yd Ib knowledge)	of ure ☐ gal	PA	Frame
Resid Waste 808 a. b.	dual Code pH Ra Physic	Reconstruction of the construction of the cons	esidual vide Descrit/water	emulsion  1. GENERAL P  to 7  Liquid Waste (EPA Method 909)  Gas (ambient temperat	Amount 31 PROPERTIES (based on analyses or bthod 9095) 95) ture & pressure) Ilow/brown Ode	Unit Meas Cu yd Ib knowledge)	of ure ☐ gal ☑ ton	PA	Frame
Resid Waste 808 a. b.	dual Code pH Ra Physic	Reconstruction of the construction of the cons	esidual v de Desc bil/water 6	emulsion  1. GENERAL P  to 7  Liquid Waste (EPA Method 909  Gas (ambient tempera	Amount 31 ROPERTIES (based on analyses or ethod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation	Unit Meas Cu yd Ib knowledge)  or hydro	of ure ☐ gal ☑ ton	PA	Frame
Resid Waste 808 a. b.	dual Code pH Ra Physic	Reconstruction of the construction of the cons	esidual v de Desc bil/water 6	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me Solid (EPA Method 90s Gas (ambient temperate) of translucent yellows escribe each phase of secribe each phase of secribe.	Amount 31 ROPERTIES (based on analyses or ethod 9095) 95) ture & pressure) llow/brown Department of Separation of	Unit Meas Cu yd Ib knowledge)  or hydro	of ure ☐ gal ☑ ton	PA	Frame
Resid Waste 808 a. b.	pH Ra Physic	Ro Co Servicing Fluid, C nge cal State	esidual vide Descrit/water  6  Control De	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me Solid (EPA Method 90s Gas (ambient temperar plor translucent yel amber of Solid or Liquid escribe each phase of secretary	Amount 31 ROPERTIES (based on analyses or ethod 9095) 95) ture & pressure) llow/brown Odd Phases of Separation eparation. Liquid and	Unit Meas cu yd lb knowledge)  or hydro 2 Solid	of ure ☐ gal ☑ ton		One Time
Resid Waste 808 a. b.	pH Ra Physic Physic	Servicing Fluid, Conge cal State cal Appearance sults of a detailed cotions, is attached.	esidual vide Descrit/water  6  Con Nu De	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me Solid (EPA Method 90s Gas (ambient temperate plor translucent yell mber of Solid or Liquid escribe each phase of second content of the	Amount 31 ROPERTIES (based on analyses or ethod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation eparation. Liquid and SIS ATTACHMENTS e waste, as described	Unit Meas cu yd lb knowledge)  or hydro 2 Solid	of ure ☐ gal ☑ ton	Yes	One Time
Resid Waste 808 a. b.	pH Ra Physic Physic The re instruct A deta	Servicing Fluid, Conge cal State cal Appearance sults of a detailed cotions, is attached. iled description of the congression o	esidual vide Descrit/water  6  Co Nu De	ECTION B. WAST Waste cription  emulsion  1. GENERAL P to 7  Liquid Waste (EPA Method 909 Gas (ambient temperate) Control translucent yell control	Amount  31  ROPERTIES (based on analyses or behod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation eparation. Liquid and SIS ATTACHMENTS e waste, as described intached.	Unit Meas cu yd lb knowledge)  or hydro 2 Solid	of ure ☐ gal ☑ ton	Yes	One Time  No  No
Resid Waste 808 a. b.	pH Ra Physic  Physic  The re instruc A deta	Servicing Fluid, Conge cal State cal Appearance sults of a detailed cotions, is attached, iled description of triality assurance/quality	esidual vide Descrit/water  6  Co Nu De	ECTION B. WAST Waste cription emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me Solid (EPA Method 90s Gas (ambient temperate plor translucent yell mber of Solid or Liquid escribe each phase of second control of the	Amount  31  ROPERTIES (based on analyses or behod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation eparation. Liquid and SIS ATTACHMENTS e waste, as described intached.	Unit Meas cu yd lb knowledge)  or hydro 2 Solid	of ure ☐ gal ☑ ton	Yes	One Time
Resid Waste 808 a. b.	pH Ra Physic  Physic  The re instruc A deta The quattache	Servicing Fluid, Conge cal State cal Appearance sults of a detailed cotions, is attached, iled description of traility assurance/qualed.	esidual vide Descrit/water  6  Co Nu De hemical he wast	ECTION B. WAST Waste cription  emulsion  1. GENERAL P to 7 Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate) Indicate the second of Solid or Liquid escribe each phase of second characterization of the second procedures employed.	Amount  31  PROPERTIES (based on analyses or behod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation eparation. Liquid and SIS ATTACHMENTS e waste, as described intrached. yed by the laboratory(	Unit Meas cu yd lb knowledge)  or hydro 2 Solid	of ure  gal  ton  carbon	Yes	Frame  One Time  No  No  No  No
Resid Waste 808 a. b.	pH Ra Physic  Physic  The re instruc A deta The qu attach The re	Servicing Fluid, Conge cal State cal Appearance cal description of the cality assurance/quality assurance/quality assurance/quality of the hazardo	esidual vide Descrit/water  6 Con Nu Descrit/water	ECTION B. WAST Waste cription  emulsion  1. GENERAL P to 7  Liquid Waste (EPA Method 909 Gas (ambient temperate) Control translucent yell control	Amount  31 PROPERTIES (based on analyses or ethod 9095) 95) ture & pressure) Illow/brown Odd Phases of Separation eparation. Liquid and SIS ATTACHMENTS e waste, as described in ethod. yed by the laboratory( ched.	Unit Meas	of ure	Yes	One Time  No  No

#### 2540-PM-BWM0347 Rev. 1/2011

		PROCESS DESCRIPTION				
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufact	uring and/or pollution co	ntrol processes prod	ducing the waste.	X Yes	□No
	as specified in the instructio	ns, is attached.		_		<u></u>
c.	If portions of the information			n for 🔲 Yes	☐ No	⊠ N/A
	a confidentiality claim, as de	scribed in the instruction	s, is attached.			
	SECTI	ON C. MANAGEM				
		1. PROCESSING OR D				
The ar	ea below (ad.) will accommo	date the identification of	two facilities. Attach	additional sheets	if necessary	<b>'-</b>
a.	Solid waste permit number(s 8-0728-00004/00013	) for processing or dispo	sal facility being util	ized.		
b.	Facility Name	Chemung County Lan	dfill			
	Address Line 1	1690 Lake Street				
	Address Line 1					
	Address City State ZIP	Elmira	NY	14903		
	Municipality	Elmira City	County	Chemung		· · · · · · · · · · · · · · · · · · ·
c.	Facility Contact Name	Carla Canjar				
0.	Title	Environmental Manag	ar			
	Phone	585-797-5941	Email Address	carla.canjar@cas	colla com	
					Selia.COITI	
d.	Volume of waste shipped to p					
	<u> </u>	cuyd gal	☐ lb     ton			
а.	Solid waste permit number(s PA301344					
a. b.	Solid waste permit number(s	) for processing or dispo	sal facility being util	ized.		
	Solid waste permit number(s PA301344		sal facility being util	ized.		
	Solid waste permit number(s PA301344 Facility Name	) for processing or dispo	sal facility being util	ized.		
	Solid waste permit number(s PA301344 Facility Name Address Line 1	) for processing or dispo	sal facility being util	ized.		
	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1	Environmental Recove 1076 Old Manheim Pi	sal facility being util ery Corporation of F	ized.		
	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1 Address City State ZIP	Environmental Recover 1076 Old Manheim Pi  Lancaster City of Lancaster	sal facility being utilery Corporation of Fike	ized. <sup>2</sup> A 17601		
b.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	Environmental Recove 1076 Old Manheim Pi	sal facility being utilery Corporation of Fike	ized. <sup>2</sup> A 17601		
b.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name	Environmental Recover 1076 Old Manheim Picture City of Lancaster Terry Leatherman	sal facility being utilery Corporation of Fike	ized. <sup>2</sup> A 17601		
b.	Solid waste permit number(s PA301344 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	Environmental Recover 1076 Old Manheim Pile Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627	ery Corporation of Pike  PA  County  Email Address	17601 Lancaster info@ercofpa.com		
b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title	Environmental Recover 1076 Old Manheim Pitch Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Crocessing or disposal facuyd gal	ery Corporation of Fike  PA County  Email Address  Cility in the previous	17601 Lancaster info@ercofpa.com	m	
b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p	Environmental Recover 1076 Old Manheim Pital Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Processing or disposal factory of gal  2. Beneral	sal facility being util ery Corporation of F ke  PA County  Email Address cility in the previous	17601 Lancaster info@ercofpa.com	m	
b.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p	Environmental Recover 1076 Old Manheim Pital Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Processing or disposal factory of gal  2. Beneral	ery Corporation of Fike  PA County  Email Address  Cility in the previous	17601 Lancaster info@ercofpa.com	m	No
b. c.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p	Environmental Recover 1076 Old Manheim Pitch Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Processing or disposal faction of the control of the	ery Corporation of Fike  PA County  Email Address  cility in the previous  lb 🔀 ton	17601 Lancaster info@ercofpa.com	m	No No
b. c.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p 22  Has the waste been approved	Environmental Recover 1076 Old Manheim Pitch Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Processing or disposal fact yd gal 2. Beneral I for beneficial use?	ery Corporation of Fike  PA County  Email Address Cility in the previous Ib Stone FICIAL USE	17601 Lancaster info@ercofpa.com	m	No
b. c. d.	Solid waste permit number(s PA301344  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone  Volume of waste shipped to p 22  Has the waste been approved If "Yes", list the general perm	Environmental Recover 1076 Old Manheim Pitch Lancaster City of Lancaster Terry Leatherman General Manager 717-393-2627 Processing or disposal fact yd gal 2. Beneral I for beneficial use?	ery Corporation of Fike  PA County  Email Address Cility in the previous Ib Stone FICIAL USE	17601 Lancaster info@ercofpa.com year. (check one)	m Yes	No

			SECTION D. CERTIFICATION
Reportain know	rt and all attached docu ning the information, I v ledge. I understand that	ments verify the s	nave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my submission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check	k the following, if applicat	ole:	
	I certify the information and has not chan		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not chan	•	ired in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information if for the year and h		ed in Section B-3, Process Description and Schematic, was supplied to the Department t changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:	·····	
Name	of Responsible Official		Title Environmental Specialist
Dina E	Brown ture	3	Date 2/25/11
-		/	



typed each	or legit attache	oly printed in the spa d sheet as Form 26	urately completed. All requ ces provided. If additional sp R, reference the item numb neets needs to match the date	pace is necessary, iden per and identify the d	tify Date Rec	EP USE ONLY beived & General Notes
Gener	ral Refe	rence 287.54				
Date F	repare	d/Revised	February 11, 2011			
		SECTION	A. CLIENT (GENERATOR	R OF THE WASTE) I	NFORMATIO	N
	any Nar					
		ergy USA Inc.				
1		y, Name of Parent Co	mpany			PA Generator ID#
		ergy Inc. iling Address Line 1		ompany Mailing Addre	N/	/A
	nnwood	•	C	ompany Maning Addre	SS LINE Z	
		dress Last Line – City	y State	Zip+4	Phone	Ext
Warre	_	arcoo Edot Emic Oitj	PA	15086	(724) 814-	
		ntact Last Name	First Name	MI		uffix
Brown	า		Dina			
Munic	ipality			County		
Warre				Allegheny		
	ct Phon		Contact Email Address			
	814-53		dybrown@talismanusa.d			T. V. 57.11
			pany Mailing Address (noted generation and storage. Wast		_ drillina completi	Yes No
	, <b>descrii</b> I gas at t		Jeneration and storage. <u>wast</u> I-016 well pad site located at 12			
		emporarily stored in tar	nks onsite.	142 Owamp Road, Aime	nia rownship, bra	idiord County, 1 A.
Munic		Ármenia	County Bradfo	ord	State	PA
	.12 ~	Airiteilia	Diaulity Diaulit	J. W		
<del></del>		Amenia		E DESCRIPTION		-
Resi					Unit of	Time
	dual	Res	SECTION B. WAST		Unit of Measure	•
Resi Waste	dual	Res	SECTION B. WAST sidual Waste e Description	E DESCRIPTION	Measure ☐ cu yd ☐ ga	Time Frame
Resi	dual	Res Cod	SECTION B. WAST sidual Waste e Description ater	Amount 64	Measure	Time Frame
Resi Waste 802	dual Code	Res Cod Brine and Wastewa	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P	Amount 64	Measure □ cu yd □ ga □ lb □ to	Time Frame
Resi Waste 802 a.	dual Code pH Ra	Res Cod Brine and Wastewa	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P	Amount 64 PROPERTIES (based on analyses or keeps)	Measure □ cu yd □ ga □ lb □ to	Time Frame
Resi Waste 802	dual Code pH Ra	Res Cod Brine and Wastewa	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me	Amount 64 PROPERTIES (based on analyses or kethod 9095)	Measure □ cu yd □ ga □ lb □ to	Time Frame
Resi Waste 802 a.	dual Code pH Ra	Res Cod Brine and Wastewa	SECTION B. WAST  sidual Waste e Description  ater  1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95)	Measure □ cu yd □ ga □ lb □ to	Time Frame
Resi Waste 802 a.	dual Code pH Ra Physic	Res Cod Brine and Wastewa	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95) uture & pressure)	Measure □ cu yd □ ga □ lb □ to  nowledge)	Time Frame al One Time
Resi Waste 802 a. b.	dual Code pH Ra Physic	Res Cod Brine and Wastewa nge cal State	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera	Amount  64  PROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown  Odd	Measure □ cu yd □ ga □ lb □ to  nowledge)  Hydrocarbo	Time Frame al One Time
Resi Waste 802 a. b.	dual Code pH Ra Physic	Res Cod Brine and Wastewa nge cal State	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent ye Number of Solid or Liquid	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odd Phases of Separation	Measure □ cu yd □ ga □ lb □ to  nowledge)  Hydrocarbo	Time Frame al One Time
Resi Waste 802 a. b.	dual Code pH Ra Physic	Res Cod Brine and Wastewa nge cal State	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent ye Number of Solid or Liquid Describe each phase of s	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odd Phases of Separation eparation. Liquid	Measure □ cu yd □ ga □ lb □ to  nowledge)  Hydrocarbo	Time Frame al One Time
Resi Waste 802 a. b.	pH Ra Physic	Res Cod Brine and Wastewa nge cal State	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent ye Number of Solid or Liquid Describe each phase of s	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95) sture & pressure) ellow/brown Odd Phases of Separation eparation. Liquid	Measure □ cu yd □ ga □ lb □ to  cnowledge)  Pr Hydrocarbo □ One	Time Frame al On    One Time
Resi Waste 802 a. b.	pH Ra Physic	Res Cod Brine and Wastewa nge cal State	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent ye Number of Solid or Liquid Describe each phase of s	Amount 64 PROPERTIES (based on analyses or kethod 9095) 95) sture & pressure) ellow/brown Odd Phases of Separation eparation. Liquid	Measure □ cu yd □ ga □ lb □ to  cnowledge)  Pr Hydrocarbo □ One	Time Frame al One Time
Resi Waste 802 a. b.	pH Ra Physic The re instruct	Res Cod Brine and Wastewa  nge cal State  cal Appearance  sults of a detailed chetions, is attached. iled description of th	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient temperal Color Translucent ye Number of Solid or Liquid Describe each phase of s  2. CHEMICAL ANALYS emical characterization of the	Amount  64  PROPERTIES (based on analyses or kethod 9095) 95) ature & pressure) ellow/brown Odd Phases of Separation eparation. Liquid  SIS ATTACHMENTS e waste, as described in	Measure □ cu yd □ ga □ lb □ to  cnowledge)  Pr Hydrocarbo One  n the □	Time Frame al On    One Time
Resi Waste 802 a. b.	pH Ra Physic The re instruct	Res Cod Brine and Wastewa  nge cal State  cal Appearance  sults of a detailed che ctions, is attached. iled description of the lality assurance/quali	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient tempera Color Translucent ye Number of Solid or Liquid Describe each phase of s  2. CHEMICAL ANALYS emical characterization of the	Amount  64  PROPERTIES (based on analyses or kethod 9095) 95) ature & pressure) ellow/brown Odd Phases of Separation eparation. Liquid  SIS ATTACHMENTS e waste, as described in	Measure □ cu yd □ ga □ lb □ to  cnowledge)  Pr Hydrocarbo One  n the □	Time Frame al One Time  on One Time
Resi Waste 802 a. b.	pH Ra Physic  The re instruct A deta The quattache	Res Cod Brine and Wastewa  nge cal State  sults of a detailed chetions, is attached. iled description of the lality assurance/qualled.	SECTION B. WAST sidual Waste e Description ater  1. GENERAL P 6 to 7  Liquid Waste (EPA Me Solid (EPA Method 90 Gas (ambient temperal Color Translucent ye Number of Solid or Liquid Describe each phase of s  2. CHEMICAL ANALYS emical characterization of the	Amount  64  PROPERTIES (based on analyses or kethod 9095) 95) sture & pressure) cllow/brown Odd Phases of Separation reparation. Liquid  SIS ATTACHMENTS waste, as described in attached. yed by the laboratory(in	Measure    cu yd	Time Frame al On One Time  On On  Yes No

		PROCESS DESCRIPTION				
a.	A detailed description of the the waste, as specified in the			sses producing	⊠ Yes	☐ No
b.	A schematic of the manufacture as specified in the instruction		ntrol processes proc	lucing the waste,	⊠ Yes	No
C.	If portions of the information a confidentiality claim, as des			n for Yes	☐ No	⊠ N/A
	SECTION	ON C. MANAGEMI	ENT OF RESIDU	AL WASTE		
13/1/1			DISPOSAL FACILITY(IE			
The a	ea below (ad.) will accommod	ate the identification of	two facilities. Attach	additional sheets if	necessary.	
a.	Solid waste permit number(s) 101508	for processing or dispo	sal facility being utili	ized.		
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Franklin	County	Venango		
C.	Facility Contact Name	Elton DeLong				
	Title					
	Phone	(814) 437-3593	Email Address	info@pabrine.com	1	
d.	Volume of waste shipped to p	cu yd 🔲 gal	☐ lb      ton	(check one)		
a.	Solid waste permit number(s)	for processing or dispo	sal facility being utili	zed.		
b.	Facility Name					
	Address Line 1					
	Address Line 1					
	Address City State ZIP					
	Municipality		County			
c.	Facility Contact Name					
	Title					
	Phone		Email Address			
d.	Volume of waste shipped to p	rocessing or disposal fa	cility in the previous	year.	***************************************	
		cu yd 🔲 gal	☐ lb ☐ ton	(check one)	***************************************	
Transfer of			FICIAL USE			
a.	Has the waste been approved		*		☐ Yes	⊠ No
	If "Yes", list the general permi					
b.	Volume of waste beneficially u	u <b>sed in the previous yea</b> cu yd gal	r.	(check one)		
			· · · · · · · · · · · · · · · · · · ·			

		SECTION D. CERTIFICATION
Report and all attached documents obtaining the information, I wknowledge. I understand that	ments erify the s	ave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check the following, if applicab	le:	
I certify the information and has not change	-	red in Section B-1, General Properties was supplied to the Department for the year
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information and has not change	-	red in Section B-2, Chemical Analysis was supplied to the Department for the year
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information refor the year and ha	•	ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
Name of Responsible Official		Title Environmental Specialist
Dina Brown	1	
Signature	YV	Date 2/25/1/



typed each	or legib attache	oly printed in the spaces d sheet as Form 26R,	tely completed. All requing provided. If additional spure reference the item numbers needs to match the date	ace is necessary, ident er and identify the da	ify Da	DEP U		NLY neral Notes
Gener	al Refe	rence 287.54						
Date P	repare	d/ <b>Revised</b> Fel	oruary 11, 2011					
		SECTION A.	<b>CLIENT</b> (GENERATOR	R OF THE WASTE) IN	<b>IFORMA</b>	TION		
	any Nar							
		ergy USA Inc. y, Name of Parent Comp	2007			EDA C	conor	ator ID#
		ergy Inc.	ally			N/A	ener	ator id#
		ling Address Line 1	C	ompany Mailing Addres	ss Line 2			
	nnwood							
		lress Last Line – City	State	Zip+4	Phone		_	Ext
Warre		ntact Last Name	PA First Name	15086 MI	(724)	814-530 Suffix		
Brown	-	itact Last Name	Dina	HAII		Julia		
Munic				County				
Warre				Allegheny				
	ct Phon		Contact Email Address					
	814-53		dybrown@talismanusa.c					<u> </u>
			y Mailing Address (noted		ala:00a. a		Yes	⊠ No
	gas at t	(03-004)	eration and storage. Wast R well pad site located at 12	e is generated during the 26 Resley Road, Columb	ia Townshir	npietion, a	and pr	oduction of
		mporarily stored in tanks		Eo Besiey Head, Columb	ia rownom,	o, bradion	a Ooui	ity, 17.
Munici		Ćolumbia	County Bradfo	ord	St	ate	PA	
			<b>SECTION B. WAST</b>	E DESCRIPTION				Ţ,
Resi			ıal Waste		Unit	- 1		Time
Waste	Code	Code D	escription	Amount	Measu			Frame
802		Brine and Wastewater		23	cu yd ☐ lb	∐ gal ⊠ ton	П	One Time
			1. GENERAL P	ROPERTIES		23 (011		One Time
а.	pH Rai	nge 6	to 7	(based on analyses or kr	nowledge)		***************************************	T
b.	Physic	al State						
			Solid (EPA Method 90	•				
			Gas (ambient tempera					· · · · · · · · · · · · · · · · · · ·
C.	Physic	al Appearance	Color Translucent ye			carbon		
			Number of Solid or Liquid	-	One			
			Describe each phase of s	eparation. <u>Liquid</u>			····	
			2. CHEMICAL ANALYS	SIS ATTACHMENTS				
a.			ical characterization of the		the	<b>X</b> \	⁄es	☐ No
L		tions, is attached.	anta compline mothed is	-ttoobod		NZ \	/00	□ Na
b.			aste sampling method is a		-\ !-		res res	No No
c.	The ~"		control procedures ample	and his the leharatamilia				
	-	•	control procedures employ	yed by the laboratory(le	is) is		103	□ 140
d.	attach	ed	control procedures employ vaste determination is atta				res res	□ No
d. e.	The res	ed. sults of the hazardous v	vaste determination is atta	ched.	Yes			

			TION & SCHEMATIC ATTA			
a.	A detailed description of the the waste, as specified in the specified in			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufa as specified in the instruct		n control processes pro	ducing the waste,	⊠ Yes	☐ No
C.	If portions of the informati a confidentiality claim, as			n for Yes	☐ No	⊠ N/A
	SEC	TION C. MANAGE	EMENT OF RESIDU	JAL WASTE		
			OR DISPOSAL FACILITY(II			
The ar	rea below (ad.) will accomm	odate the identification	n of two facilities. Attacl	n additional sheets	if necessary	/.
a.	Solid waste permit number 101508	(s) for processing or d	isposal facility being uti	lized.		
b.	Facility Name	PA Brine				
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323	,	
	Municipality	Franklin	County	Venango		
C.	Facility Contact Name Title	Elton DeLong				
	Phone	(814) 437-3593	Email Address	info@pabrine.co	om	
d.	Volume of waste shipped to 23	o processing or dispos		•	.)	
a.	Solid waste permit number					
a. b.					-)	
	Solid waste permit number					
	Solid waste permit number Facility Name Address Line 1 Address Line 1					
	Facility Name Address Line 1 Address City State ZIP		sposal facility being util			
	Solid waste permit number Facility Name Address Line 1 Address Line 1					
	Facility Name Address Line 1 Address City State ZIP		sposal facility being util			
b.	Facility Name Address Line 1 Address City State ZIP Municipality		Sposal facility being util			
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name		sposal facility being util			
b.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	(s) for processing or di	County  Email Address	ized.		
b. c.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	o processing or dispos	County  Email Address al facility in the previous	ized.		
b. c.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	o processing or dispos	County  Email Address al facility in the previous	ized.		No
b. c. d.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	o processing or dispos cu yd gal 2. Bed for beneficial use?	County  Email Address al facility in the previous    lb	ized.	•)	No No
b. c. d.	Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	o processing or dispos cu yd gal ed for beneficial use?	County  Email Address al facility in the previous    lb	s year.	Yes	No

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SECTION D. CERTIFICATION
Report and all attached docu obtaining the information, I v knowledge. I understand that	ments erify the s	nave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
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Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information and has not change	•	ired in Section B-2, Chemical Analysis was supplied to the Department for the year
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information r	•	ed in Section B-3, Process Description and Schematic, was supplied to the Department t changed.
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		•
Name of Responsible Official		Title _Environmental Specialist
Dina Brown		
Signature	Z	Date 2/25/1/



each attached sh	rinted in the spaces neet as Form 26R,	tely completed. All requestroyided. If additional spacestre item numbers to match the date	eace is necessary, iden per and identify the d	tify Date R	DEP USE C eceived & Go	
General Reference	e 287.54					
Date Prepared/Re	<b>vised</b> Feb	oruary 11, 2011				
	SECTION A.	<b>CLIENT</b> (GENERATOR	R OF THE WASTE) IN	NFORMATION	NC	
Company Name						
Talisman Energy						
<u>-</u> .	me of Parent Comp	any			EPA Gener	rator ID#
Talisman Energy Company Mailing			ompany Mailing Addre		N/A	
50 Pennwood Pla		v	ompany maning Addre	35 LINE Z		
Company Address		State	Zip+4	Phone		Ext
Warrendale	·	PA	15086	(724) 814	4-5300	
Company Contact	Last Name	First Name	MI		Suffix	
Brown		Dina				
Municipality			County			
Warrendale Contact Phone	Ext	Contact Email Address	Allegheny			
(724) 814-5321	LXC	dybrown@talismanusa.c	com			
	ated at the Compan	y Mailing Address (noted			Yes	No No
If 'No', describe lo		eration and storage. Wast				production of
natural gas at the	(03-054)	J well pad site located at 847	7 Palubanka Daad Calum	ahia Taymahia	Bradford Co	Supty DA
	(00-00-7)	well pad site located at 647	Fairbanks Road, Colum	ibia Township,	Diadioid Oc	Junty, FA.
The waste is tempo	rarily stored in tanks	onsite.		-	·	ounty, FA.
	rarily stored in tanks Columbia	onsite. <b>County</b> Bradfo	ord	State		ounty, FA.
The waste is tempo Municipality	rarily stored in tanks Columbia	onsite. County Bradfo	ord	State	·	
The waste is tempo Municipality Residual	rarily stored in tanks Columbia Residu	onsite. County Bradfo SECTION B. WAST al Waste	ord E DESCRIPTION	State Unit of	·	Time
The waste is tempo Municipality  Residual Waste Code	rarily stored in tanks Columbia Residu Code D	onsite.  County Bradfo  SECTION B. WAST  Ial Waste escription	E DESCRIPTION Amount	State Unit of Measure	PA	
The waste is tempo Municipality  Residual Waste Code	rarily stored in tanks Columbia Residu	onsite. County Bradfo SECTION B. WAST ral Waste escription	E DESCRIPTION  Amount  1,884	State  Unit of  Measure  □ cu yd □	·	Time
Residual Waste Code  802  Brid	rarily stored in tanks Columbia Residu Code D ne and Wastewater	onsite. County Bradfo SECTION B. WAST ral Waste escription . 1. GENERAL P	Amount 1,884 ROPERTIES	Unit of Measure □ cu yd □ □ lb ⊠	PA	Time Frame
The waste is tempor Municipality  Residual Waste Code  802 Britana. pH Range	rarily stored in tanks Columbia  Residu Code D ne and Wastewater	onsite. County Bradfo SECTION B. WAST  all Waste escription  1. GENERAL P	Amount 1,884 ROPERTIES (based on analyses or k	Unit of Measure □ cu yd □ □ lb ⊠	PA	Time Frame
Residual Waste Code  802  Brid	rarily stored in tanks Columbia  Residu Code D ne and Wastewater	onsite.  County Bradfo SECTION B. WAST  Ial Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Me	Amount 1,884 ROPERTIES (based on analyses or keythod 9095)	Unit of Measure □ cu yd □ □ lb ⊠	PA	Time Frame
The waste is tempor Municipality  Residual Waste Code  802 Britana. pH Range	rarily stored in tanks Columbia  Residu Code D ne and Wastewater	onsite.  County Bradfo SECTION B. WAST  al Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Me Solid (EPA Method 90)	Amount 1,884 ROPERTIES (based on analyses or kethod 9095) 95)	Unit of Measure □ cu yd □ □ lb ⊠	PA	Time Frame
Residual Waste Code  802 Brit  a. pH Range b. Physical St	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  cate	onsite. County Bradfo SECTION B. WAST  Ial Waste escription  1. GENERAL P to 7  Liquid Waste (EPA Me Solid (EPA Method 90) Gas (ambient tempera	Amount 1,884 ROPERTIES (based on analyses or keythod 9095) 95) ture & pressure)	State  Unit of Measure □ cu yd □ □ lb ☑  nowledge)	gal ton	Time Frame
The waste is tempor Municipality  Residual Waste Code  802 Britana. pH Range	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  cate	County Bradform County Bradform B. WAST  In I Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Method 90)  Gas (ambient tempera Color Translucent years)	Amount 1,884 ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo	Unit of Measure cuyd lb Mowledge)	gal ton	Time Frame
Residual Waste Code  802 Brit  a. pH Range b. Physical St	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  cate	County Bradfor SECTION B. WAST  In I Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Method 90) Solid (EPA Method 90) Gas (ambient temperator) Color Translucent yee Number of Solid or Liquid	Amount  1,884  ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation	Unit of Measure cuyd lb lb nowledge)	gal ton	Time Frame
Residual Waste Code  802 Brit  a. pH Range b. Physical St	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  cate	County Bradform County Bradform B. WAST  In I Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Method 90)  Gas (ambient tempera Color Translucent years)	Amount  1,884  ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation	Unit of Measure cuyd lb Mowledge)	gal ton	Time Frame
Residual Waste Code  802 Brit  a. pH Range b. Physical St	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  cate	County Bradfor SECTION B. WAST  In I Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Method 90) Solid (EPA Method 90) Gas (ambient temperator) Color Translucent yee Number of Solid or Liquid	Amount 1,884 ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown I Phases of Separation eparation. Liquid	Unit of Measure cuyd lb Mowledge)	gal ton	Time Frame
Residual Waste Code 802 Brid  a. pH Range b. Physical St.  c. Physical A	rarily stored in tanks Columbia  Residu Code D ne and Wastewater  6 rate  opearance  of a detailed chemical	County Bradforms.  County Bradforms.  SECTION B. WAST  In I Waste Exerciption  1. GENERAL P  to 7  Liquid Waste (EPA Method 90)  Gas (ambient temperated of Solid or Liquid Describe each phase of second sec	Amount 1,884  ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation eparation. Liquid	Unit of Measure □ cu yd □ □ lb ☑  nowledge)  r Hydrocar One	gal ton	Time Frame
The waste is tempor Municipality  Residual Waste Code  802 Brid  a. pH Range b. Physical Struction	rarily stored in tanks Columbia  Residu Code D ne and Wastewater  6 rate  opearance  of a detailed chemis, is attached.	County Bradforms.  County Bradforms.  SECTION B. WAST  In I Waste Exerciption  1. GENERAL P  to 7  Liquid Waste (EPA Method 90) Gas (ambient temperate of Solid or Liquid Describe each phase of second content of the secon	Amount  1,884  ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation eparation. Liquid  SIS ATTACHMENTS e waste, as described in	Unit of Measure □ cu yd □ □ lb ☑  nowledge)  r Hydrocar One	gal ton D	Time Frame One Time
The waste is tempor Municipality  Residual Waste Code  802 Brit  a. pH Range b. Physical Struction  a. The results instruction  b. A detailed	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  rate  opearance  of a detailed chemis, is attached. description of the w	County Bradforms.  County Bradforms.  SECTION B. WAST  In I Waste Exerciption  1. GENERAL P  to 7  Liquid Waste (EPA Method 90)  Gas (ambient temperate of Solid or Liquid Describe each phase of second contact of the seco	Amount  1,884 ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation eparation. Liquid  SIS ATTACHMENTS e waste, as described in	Unit of Measure  cuyd bis nowledge)  Hydrocar One	gal ton D	Time Frame One Time
Residual Waste Code  802 Brit  a. pH Range b. Physical S  c. Physical A  a. The results instruction b. A detailed c. The quality attached.	rarily stored in tanks Columbia  Residu Code D  ne and Wastewater  6  rate  opearance  of a detailed chemis, is attached. description of the wassurance/quality of	County Bradforms.  County Bradforms.  SECTION B. WAST  Ial Waste escription  1. GENERAL P  to 7  Liquid Waste (EPA Method 90) Gas (ambient temperated of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase of second content of Solid or Liquid Describe each phase ea	Amount  1,884 ROPERTIES (based on analyses or kethod 9095) 95) ture & pressure) ellow/brown Odo Phases of Separation eparation. Liquid BIS ATTACHMENTS e waste, as described in ettached. yed by the laboratory(in	Unit of Measure  cuyd bis nowledge)  Hydrocar One	gal ton	Time Frame One Time  No

		. PROCESS DESCRIPTION					
a.	A detailed description of the the waste, as specified in the			trol processes p	oroducing	⊠ Yes	☐ No
b.	A schematic of the manufac as specified in the instruction		control proce	sses producing	the waste,	⊠ Yes	☐ No
C.	If portions of the information a confidentiality claim, as de				Yes	☐ No	⊠ N/A
	SECT	ON C. MANAGE!	MENT OF F	RESIDUAL V	VASTE		
14.		1. PROCESSING OF	R DISPOSAL F.	ACILITY(IES)			
The ar	rea below (ad.) will accommo	date the identification	of two facilitie	s. Attach addit	ional sheets	if necessary	•
a.	Solid waste permit number(s MDD980555189	s) for processing or dis	posal facility	being utilized.			
b.	Facility Name	Clean Harbors of B	altimore				
	Address Line 1	1910 Russell St					
	Address Line 1						
	Address City State ZIP	Baltimore	MI		21230		
	Municipality	Baltimore	Co	ounty			
c.	Facility Contact Name						
	Title						
	Phone	410-244-8200	Email A				
d.	Volume of waste shipped to 1884	processing or disposal ] cu yd gal	I facility in the	previous year.	(check one)		
a.	Solid waste permit number(s	) for processing or dis	posal facility l	peing utilized.			
b.	Facility Name						
	Address Line 1						
	Address Line 1	-					
	Address City State ZIP						
	Municipality		Co	unty			
C.	Facility Contact Name						
	Title						
	Phone		Email Ac	ldress			
d.	Volume of waste shipped to	p <b>rocessing or disposal</b> ] cu yd gal	facility in the	previous year.  ton	(check one)		
			NEFICIAL <b>U</b> SE				
a.	Has the waste been approve	d for beneficial use?				Yes	⊠ No
	If "Yes", list the general pern						
b.	Volume of waste beneficially	used in the previous y cu yd gal	ear.	ton	(check one)		

			SECTION D. CERTIFICATION
Report obtaini knowle	and all attached docu ng the information, I v dge. I understand that	ments erify the s	have personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check	the following, if applicab	le:	
	certify the information and has not chang	-	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
☐ ! -	certify the information and has not chang	-	red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	certify the information r		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name o	f Responsible Official		Title Environmental Specialist
Dina Bı	rown		
Signatu	re	-0	Date 2/25/4



typed each	or legibattache	oly printed in the spac d sheet as Form 26F	rately completed. All re es provided. If additional R, reference the item nu eets needs to match the d	space is necessary, identify the o	ntify Date Re	DEP USE ONLY ceived & General Notes
•		rence 287.54				
Date F	repare	d/Revised F	ebruary 11, 2011			
Klp4	1 1.1	SECTION A	. CLIENT (GENERAT	OR OF THE WASTE)	NFORMATIC	N The second second
	any Nar					
		ergy USA Inc.				
		y, Name of Parent Con	npany			PA Generator ID#
		ergy Inc. ling Address Line 1		Company Mailing Addre		I/A
•	nnwood	•		Company Maning Addre	33 Lille Z	
		dress Last Line – City	State	Zip+4	Phone	Ext
Warre		_	PA	15086	(724) 814	
Comp	any Cor	ntact Last Name	First Name	MI	S	uffix
Brown			Dina			
Munic				County		
Warre	ndale ct Phon	e Ext	Contact Email Address	Allegheny		
	814-532		dybrown@talismanus			
			any Mailing Address (note			Yes No
			eneration and storage. W		e drillina, comple	
natural	gas at t	he 1 well pad	site located at 831 Burrows	Hollow Road, Jackson Tov	vnship, Tioga Co	unty, PA. The waste is
		red in tanks onsite.	_		_	
Munic	ipality	Jackson	County Tio		State	<u>PA</u>
188				STE DESCRIPTION		
Resi			dual Waste		Unit of	Time
Waste	Code	Code	Description	Amount	Measure	Frame
802		Brine and Wastewat	er	25	∐ cu yd ∐ g □ lb ⊠ t	gal One Time
	**	686 - 58 - c.	1. GENERAI	PROPERTIES		
a.	pH Rai	nge 6	to 7	(based on analyses or l	knowledge)	
b.		al State	<ul><li>☐ Liquid Waste (EPA</li><li>☐ Solid (EPA Method</li><li>☐ Gas (ambient temperature)</li></ul>	9095) erature & pressure)		
C.	Physic	al Appearance		yellow/brown Odd	,	on
				uid Phases of Separation	One	
			Describe each phase o	f separation. <u>Liquid</u>		
		<u> </u>	2 CUEWOAL ANAL	LÝSIS ATTACHMENTS		
a.	The res	sults of a detailed che	mical characterization of		n the	∑ Yes ☐ No
a.	instruc	tions, is attached.		•		□ 140
b.		1 1 - 1				
			waste sampling method i			∑ Yes ☐ No
C.		ality assurance/quality	waste sampling method i y control procedures emp			
c. d.	The quattache	ality assurance/quality ed.		loyed by the laboratory(i	es) is	Yes No
	The quattache The res	ality assurance/quality ed. sults of the hazardous	y control procedures emp waste determination is a mation supporting use of	loyed by the laboratory(i ttached.	es) is	Yes No

	3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS						
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	☐ No	
b.	A schematic of the manufacture as specified in the instruction		ntrol processes prod	ducing the waste,	⊠ Yes	☐ No	
C.	If portions of the information a confidentiality claim, as des			n for 🗌 Yes	☐ No	⊠ N/A	
	SECTION	ON C. MANAGEME	ENT OF RESIDU	IAL WASTE			
		1. PROCESSING OR D					
The a	rea below (ad.) will accommod	ate the identification of	wo facilities. Attach	additional sheets	if necessary	•	
a.	Solid waste permit number(s) 0102784	for processing or dispo	sal facility being util	ized.			
b.	Facility Name	Waste Treatment Cor					
	Address Line 1	341 West Harmar Stre	et			-	
	Address Line 1						
	Address City State ZIP	Warren	PA	16365			
	Municipality	Warren	County	Warren			
C.	Facility Contact Name Title	Rich Gorton					
	Phone	(814) 726-1500	Email Address	info@waste-trea	tment.net		
d.	Volume of waste shipped to p 25  Solid waste permit number(s)	cu yd 🔲 gal	☐ lb 🖂 ton	(check one)			
a.	John Waste permit number(s)	To processing of dispo	sai racinty being atin	izeu.			
b.	Facility Name						
	Address Line 1		and the same of th	····			
	Address Line 1						
	Address City State ZIP		County				
	Municipality		County				
c.							
•	Facility Contact Name		- Journey				
•	Title						
<u>.</u>	•		Email Address				
d.	Title	cu yd 🔲 gal	Email Address cility in the previous	-			
	Title Phone Volume of waste shipped to p	cu yd gal  2. Bener	Email Address				
	Title Phone  Volume of waste shipped to p  Has the waste been approved	cu yd gal  2. BENEI for beneficial use?	Email Address cility in the previous lb lo ton		☐ Yes	No	
d.	Title Phone  Volume of waste shipped to p  Has the waste been approved If "Yes", list the general permi	cu yd gal  2. BENEI for beneficial use? t number or approval nu	Email Address cility in the previous lb lo ton FICIAL USE			⊠ No	
d.	Title Phone  Volume of waste shipped to p  Has the waste been approved	cu yd gal  2. BENEI for beneficial use? t number or approval nu	Email Address cility in the previous lb lo ton FICIAL USE	(check one)	Yes	⊠ No	

and the second s	SECTION D. CERTIFICATION
Report and all attached doc obtaining the information, I knowledge. I understand th	, that I have personally examined and am familiar with the information submitted in this Annual cuments and that based upon my inquiry of those individuals immediately responsible for verify that the submitted information is true, accurate and complete to the best of my at the submission of false information herein is made subject to the penalties of 18 Pa. C.S. Isification to authorities, which include fine and imprisonment.
Check the following, if applic	able:
I certify the information	on required in Section B-1, General Properties was supplied to the Department for the year anged.
Form Submitted:	Form 26R
	Other (specify)
Date Submitted:	
I certify the information	on required in Section B-2, Chemical Analysis was supplied to the Department for the year inged.
Form Submitted:	Form 26R
	Other (specify)
Date Submitted:	
I certify the information for the year and	required in Section B-3, Process Description and Schematic, was supplied to the Department has not changed.
Form Submitted:	Form 26R
	Other (specify)
Date Submitted:	
Name of Responsible Official	Title Environmental Specialist
Dina Brown	
Signature	) Date 2/25/11



typed each	or legibattache	oly printed in the spaced sheet as Form 26	urately completed. All reques provided. If additional s R, reference the item num eets needs to match the dat	pace is necessary, ider ber and identify the o	ntify D	<b>DEP L</b> ate Receive		
•		rence 287.54	octo necus to mater the dat	to Hoted Below.				
			February 11, 2011					
		SECTION A	. CLIENT (GENERATO	R OF THE WASTE)	NFORMA	ATION		
Comp	any Nar							
		ergy USA Inc.						
		y, Name of Parent Cor	mpany				Genera	ator ID#
		ergy Inc.				N/A		
		ling Address Line 1	C	Company Mailing Addre	ess Line 2			
	nnwood	d Place dress Last Line – City	State	7:14	Phor			F4
	any Add endale	ress Last Line - City	State PA	<b>Zip+4</b> 15086		ie ) 814-530	Λ	Ext
		ntact Last Name	First Name	13080 MI	(124	Suffix		
Brown	-	itact Last Haine	Dina	, 1911		Ouilix	•	
	ipality		Dirid	County	<del></del>	····		
Warre				Allegheny				
	ct Phon	e Ext	Contact Email Address					
(724)	814-53	21 .	dybrown@talismanusa.	.com				
If 'No'	, descril	oe location of waste g	any Mailing Address (noted eneration and storage. Was	ste is generated during th		ompletion,		
	I gas at t	the (03-025) E westored in tanks onsite.	ell pad site located at 1042 An	itler Road, Columbia Tov	vnship, Brad	atord Coun	ty, PA	. The waste
			County Bradi	ford	5	State	РΔ	
Munic		Columbia	County Bradi			State	PA	
Munic	ipality	Columbia	SECTION B. WAS				PA	Time
Munic	ipality idual	Columbia Res				of	PA	Time Frame
Munic Resi Waste	ipality idual	Columbia Res Code	SECTION B. WAS idual Waste Description	TE DESCRIPTION  Amount	Unit Meas □ cu yd	t of sure	PA	Frame
Munic Resi	ipality idual	Columbia Res	SECTION B. WAS idual Waste Description	Amount 263	Unit Meas	t of sure	PA	
Resi Waste 802	ipality idual code	Columbia  Res Code  Brine and Wastewa	SECTION B. WAS idual Waste Description ter  1. GENERAL I	Amount 263 PROPERTIES	Unit Meas Cu yd	t <b>of</b> sure ☐ gal ☑ ton	PA	Frame
Resi Waste 802	idual Code	Columbia  Res Code  Brine and Wastewa	SECTION B. WAS idual Waste Description ter  1. GENERAL I	Amount 263 PROPERTIES (based on analyses or	Unit Meas Cu yd	t <b>of</b> sure ☐ gal ☑ ton	PA	Frame
Resi Waste 802	idual Code	Columbia  Res Code  Brine and Wastewa	SECTION B. WAS idual Waste Description ter  1. GENERAL I	Amount 263  PROPERTIES (based on analyses or lethod 9095) 095)	Unit Meas Cu yd	t <b>of</b> sure ☐ gal ☑ ton	PA	Frame
Resi Waste 802	ipality idual Code pH Ra Physic	Columbia  Res Code  Brine and Wastewa	SECTION B. WAS idual Waste Description ter  1. GENERAL I 5 to 7  Liquid Waste (EPA M Solid (EPA Method 90	Amount 263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure)	Unit Meas □ cu yd □ lb knowledge)	t <b>of</b> sure ☐ gal ☑ ton	PA	Frame
Resi Waste 802 a. b.	ipality idual Code pH Ra Physic	Columbia  Res Code Brine and Wastewa  nge cal State	SECTION B. WAS idual Waste Description ter  1. GENERAL IDUAL STATE OF THE STATE OF	Amount 263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) yellow/brown Ode	Unit Meas Cu yd Ib Knowledge)	t <b>of</b> sure □ gal ☑ ton	PA	Frame
Resi Waste 802 a. b.	ipality idual Code pH Ra Physic	Columbia  Res Code Brine and Wastewa  nge cal State	SECTION B. WAS idual Waste Description ter  1. GENERAL IDUAL Service S	Amount 263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown od Phases of Separation	Unit Meas Cu yd Ib Cnowledge)	t <b>of</b> sure □ gal ☑ ton	PA	Frame
Resi Waste 802 a. b.	ipality idual Code pH Ra Physic	Columbia  Res Code Brine and Wastewa  nge cal State	SECTION B. WAS idual Waste Description ter  1. GENERAL ID TO	Amount  263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown id Phases of Separation separation. Liquid	Unit Meas Cu yd Ib Cnowledge)	t <b>of</b> sure □ gal ☑ ton	PA	Frame
Resi Waste 802 a. b.	pH Ra Physic	Columbia  Res Code  Brine and Wastewa  nge cal State  cal Appearance	SECTION B. WAS idual Waste Description ter  1. GENERAL IDUAL STATE	Amount  263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown od Phases of Separation separation. Liquid VSIS ATTACHMENTS	Unit Meas  cu yd lb  cnowledge)  r Hydr One	t of sure gal \( \sum \) ton		One Time
Resi Waste 802 a. b.	pH Ra Physic  The re instruction	Columbia  Res Code  Brine and Wastewa  nge cal State  cal Appearance  sults of a detailed chections, is attached.	SECTION B. WAS idual Waste Description ter  1. GENERAL IDENTIFY TO THE TENTIFY TO	Amount 263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown oid Phases of Separation separation. Liquid VSIS ATTACHMENTS the waste, as described in	Unit Meas  cu yd lb  cnowledge)  r Hydr One	of gal gal ton	Yes	One Time  No
Resi Waste 802 a. b.	pH Ra Physic  The re instruct A deta	Columbia  Res Code  Brine and Wastewa  nge cal State  sal Appearance  sults of a detailed chections, is attached. iled description of the	SECTION B. WAS  idual Waste Description  ter  1. GENERAL I  5. to 7  Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient temper: ColorTranslucent y Number of Solid or Liqui Describe each phase of  2. CHEMICAL ANALY emical characterization of the	Amount  263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown Oddid Phases of Separation separation. Liquid VSIS ATTACHMENTS we waste, as described in attached.	Unit Meas	ocarbon	Yes	One Time  One No
Resi Waste 802 a. b.	pH Ra Physic  The re instruct A deta	Columbia  Res Code  Brine and Wastewa  nge cal State  sal Appearance  sults of a detailed chections, is attached. iled description of the sality assurance/quality	SECTION B. WAS idual Waste Description ter  1. GENERAL IDENTIFY TO THE TENTIFY TO	Amount  263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown Oddid Phases of Separation separation. Liquid VSIS ATTACHMENTS we waste, as described in attached.	Unit Meas	ocarbon	Yes	One Time  No
Resi Waste 802 a. b.	pH Ra Physic  The re instruct A deta The quattache	Columbia  Res Code  Brine and Wastewa  nge cal State  sal Appearance  sults of a detailed che ctions, is attached. iled description of the lality assurance/qualified.	SECTION B. WAS  idual Waste Description  ter  1. GENERAL I  5. to 7  Liquid Waste (EPA M Solid (EPA Method 90 Gas (ambient temper: ColorTranslucent y Number of Solid or Liqui Describe each phase of  2. CHEMICAL ANALY emical characterization of the	Amount  263  PROPERTIES (based on analyses or lethod 9095) 095) ature & pressure) vellow/brown Oddid Phases of Separation Separation. Liquid VSIS ATTACHMENTS le waste, as described in attached. Expendit on the property of	Unit Meas	ocarbon	Yes	One Time  One No

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		the manufacturing and/or pollution control processes producing Yes No the instructions, is attached.	)
b.	A schematic of the manuf as specified in the instruc	facturing and/or pollution control processes producing the waste,	1
C.		tion submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.	4
	SEC	TION C. MANAGEMENT OF RESIDUAL WASTE	
		1. PROCESSING OR DISPOSAL FACILITY(IES)	
The ar		modate the identification of two facilities. Attach additional sheets if necessary.	
a.	Solid waste permit numbe 0008451	er(s) for processing or disposal facility being utilized.	
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility	
	Address Line 1	Old Trail Road (P.O. Box 517)	
	Address Line 1		
	Address City State ZIP	Shamokin Dam PA 17876 Shamokin Dam County Snyder	
	Municipality		
C.	Facility Contact Name	Sheldon Kowaleski	
	Title Phone	(570) 884-1235 Email Address	
d.	200	to processing or disposal facility in the previous year.  Cu yd  Gal  Ib  Konner (check one)	
a.	Solid waste permit numbe 101508	er(s) for processing or disposal facility being utilized.	
b.	Facility Name	PA Brine	
	Address Line 1	5148 US 322	
	Address Line 1		
	Address City State ZIP	Franklin PA 16323	
	Municipality	Franklin County Venango	
c.	Facility Contact Name	Elton DeLong	
	Title Phone	(814) 437-3593 Email Address info@pabrine.com	
		· ,	
d.		to processing or disposal facility in the previous year.	
	63	cu yd gal lb ton (check one)	
		2. Beneficial Use	
a.	Has the waste been appro-	trained fund	
		ermit number or approval number.	
b.	Volume of waste beneficia	Illy used in the previous year.  cu yd gal b ton (check one)	
		L or ya L gai L in L toll (clieck olle)	

A Personal Section			SECTION D. CERTIFICATION
Report an obtaining knowledge	nd all attached docur the information, I v e. I understand that	nents erify the s	have personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check the	following, if applicab	le:	
l ce	rtify the information and has not chang	•	red in Section B-1, General Properties was supplied to the Department for the year
For	rm Submitted:		Form 26R
			Other (specify)
Dat	te Submitted:		
☐ I ce	rtify the information and has not chang	•	red in Section B-2, Chemical Analysis was supplied to the Department for the year
For	rm Submitted:		Form 26R
			Other (specify)
Dat	te Submitted:		
	rtify the information re	-	ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
For	m Submitted:		Form 26R
			Other (specify)
Dat	e Submitted:		
Name of R	esponsible Official		Title Environmental Specialist
Dina Brow	rn a		
Signature		Z	Date 2/25/11



This form must be fully and acc typed or legibly printed in the spa each attached sheet as Form 26 prepared. The date on attached s	ces provided. If additional sp SR, reference the item numb	ace is necessary, ide er and identify the	ntify Date Receiv	ved & General Notes
General Reference 287.54				
Date Prepared/Revised	February 11, 2011	•		
SECTION	A. CLIENT (GENERATOR	OF THE WASTE)	<b>NFORMATION</b>	
Company Name				
Talisman Energy USA Inc.				
If a Subsidiary, Name of Parent Co	ompany			Generator ID#
Talisman Energy Inc.			N/A	
Company Mailing Address Line 1	C	ompany Mailing Addr	ess Line 2	
50 Pennwood Place  Company Address Last Line – Cit	v State	Zip+4	Phone	Evt
Warrendale	y State PA	15086	(724) 814-53	Ext
Company Contact Last Name	First Name	MI	(724) 014-00 Suff	
Brown	Dina	••••	<b>-</b>	
Municipality		County		
Warrendale		Allegheny		
Contact Phone Ext	Contact Email Address			
(724) 814-5321	dybrown@talismanusa.c			
Is the waste generated at the Com	pany Mailing Address (noted a	above)?		Yes 🛛 No
If 'No', describe l <u>ocation</u> of waste				
	) R well pad site in Troy Townsh	ip, Bradford County, F	A. The waste is tem	porarily stored in
tanks onsite.	County Bradfo	لمس	State	DA
Municipality Troy	County Bradfo			PA
Residual Re	sidual Waste	E DESCRIPTION	Unit of	Time
	e Description	Amount	Measure	Frame
	C DC3011ptio11		☐ cu yd ☐ gal	- Trame
ONO Dring and Magton				
802 Brine and Wastew	ater	425	☐ Ib ☐ ton	☐ One Time
	1. GENERAL P	ROPERTIES	☐ lb	One Time
a. pH Range	1. <b>GENERAL P</b> 6 to 7	ROPERTIES (based on analyses or	☐ lb	One Time
	1. GENERAL P 6 to 7  Liquid Waste (EPA Me	ROPERTIES (based on analyses or thod 9095)	☐ lb	One Time
a. pH Range	1. GENERAL P 6 to 7  Liquid Waste (EPA Me  Solid (EPA Method 909	ROPERTIES (based on analyses or thod 9095) 95)	☐ lb	☐ One Time
a. pH Range b. Physical State	6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate	ROPERTIES (based on analyses or thod 9095) 95) ture & pressure)	☐ lb ☐ ton knowledge)	
a. pH Range	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent year	ROPERTIES (based on analyses or thod 9095) (bit with a pressure) (billow/brown Od	lb ⊠ ton knowledge)  or Hydrocarbon	
a. pH Range b. Physical State	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent yee Number of Solid or Liquid	ROPERTIES (based on analyses or thod 9095) (bit of a pressure) (blow/brown Odd Phases of Separation)	lb ⊠ ton knowledge)  or Hydrocarbon	
a. pH Range b. Physical State	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent year	ROPERTIES (based on analyses or thod 9095) (bit of a pressure) (blow/brown Odd Phases of Separation)	lb ⊠ ton knowledge)  or Hydrocarbon	
a. pH Range b. Physical State	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent yee Number of Solid or Liquid Describe each phase of se	ROPERTIES (based on analyses or thod 9095) (bis of a pressure) (blow/brown Odd Phases of Separation of the pressure)	lb ⊠ ton knowledge)  or Hydrocarbon	
a. pH Range b. Physical State c. Physical Appearance	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent yee Number of Solid or Liquid Describe each phase of se	ROPERTIES (based on analyses or thod 9095) (bis pressure) (blow/brown Od Phases of Separation Liquid) (blow/state) (blow/state)	lb ⊠ ton knowledge)  or Hydrocarbon n One	
<ul> <li>a. pH Range</li> <li>b. Physical State</li> <li>c. Physical Appearance</li> <li>a. The results of a detailed chinstructions, is attached.</li> </ul>	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent ye Number of Solid or Liquid Describe each phase of se	ROPERTIES (based on analyses or thod 9095) (bit of a pressure) (blow/brown Od Phases of Separation Liquid SIS ATTACHMENTS waste, as described	in the	Yes No
<ul> <li>a. pH Range</li> <li>b. Physical State</li> <li>c. Physical Appearance</li> <li>a. The results of a detailed chinstructions, is attached.</li> <li>b. A detailed description of the</li> </ul>	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent yet Number of Solid or Liquid Describe each phase of seconds  2. CHEMICAL ANALYS temical characterization of the	ROPERTIES (based on analyses or thod 9095) (bure & pressure) (blow/brown Od Phases of Separation Liquid SIS ATTACHMENTS waste, as described ttached.	in the	Yes No
<ul> <li>a. pH Range</li> <li>b. Physical State</li> <li>c. Physical Appearance</li> <li>a. The results of a detailed chinstructions, is attached.</li> <li>b. A detailed description of the</li> </ul>	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent ye Number of Solid or Liquid Describe each phase of se	ROPERTIES (based on analyses or thod 9095) (bure & pressure) (blow/brown Od Phases of Separation Liquid SIS ATTACHMENTS waste, as described ttached.	in the	Yes No
a. pH Range b. Physical State c. Physical Appearance a. The results of a detailed chinstructions, is attached. b. A detailed description of the C. The quality assurance/qualattached.	1. GENERAL P  6 to 7  Liquid Waste (EPA Me Solid (EPA Method 909 Gas (ambient temperate Color Translucent yet Number of Solid or Liquid Describe each phase of seconds  2. CHEMICAL ANALYS temical characterization of the	ROPERTIES (based on analyses or thod 9095) (bure & pressure) (blow/brown Od Phases of Separation Liquid SIS ATTACHMENTS waste, as described ttached.	in the	Yes No

		PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.	A detailed description of the the waste, as specified in the	manufacturing and/or pollution control processes producing Yes No instructions, is attached.	)
b.	A schematic of the manufactor as specified in the instruction	uring and/or pollution control processes producing the waste, 🔀 Yes 🔲 Nons, is attached.	)
C.	If portions of the information a confidentiality claim, as des	submitted are confidential, the substantiation for Yes No No No scribed in the instructions, is attached.	A
Thef.	SECTION	ON C. MANAGEMENT OF RESIDUAL WASTE	
	, a especial	1. PROCESSING OR DISPOSAL FACILITY(IES)	
The ar	` '	date the identification of two facilities. Attach additional sheets if necessary.	
a.	0008451	) for processing or disposal facility being utilized.	
b.	Facility Name	Sunbury Generation Wastewater Treatment Facility	
	Address Line 1	Old Trail Road, P.O. BOX 517	
	Address Line 1	Ol 1: D 7070	
	Address City State ZIP	Shamokin Dam PA 17876 Shamokin Dam County Snyder	
	Municipality		
C.	Facility Contact Name	Sheldon Kowaleski	
	Title Phone	(570) 884-1235 Email Address	
		(0.0)	
d.	375	orocessing or disposal facility in the previous year.    cu yd	
a.	Solid waste permit number(s) 101508	for processing or disposal facility being utilized.	
b.	Facility Name	PA Brine	
	Address Line 1	5148 US 322	
	Address Line 1		
	Address City State ZIP	Franklin PA 16323	
	Municipality	Franklin County Venango	
c.	Facility Contact Name		
	_	Elton DeLong	
	Title		
	Title Phone	(814) 437-3593 Email Address info@pabrine.com	
d.	Title Phone	(814) 437-3593 Email Address info@pabrine.com  processing or disposal facility in the previous year.  cu yd ☐ gal ☐ lb ☒ ton (check one)	
d.	Title Phone  Volume of waste shipped to p 25	(814) 437-3593 Email Address info@pabrine.com  crocessing or disposal facility in the previous year.  cu yd gal b  ton (check one)  2. BENEFICIAL USE	
d.	Title Phone  Volume of waste shipped to p 25  Has the waste been approved	(814) 437-3593 Email Address info@pabrine.com  processing or disposal facility in the previous year.  cu yd	
	Title Phone  Volume of waste shipped to p 25  Has the waste been approved If "Yes", list the general permi	(814) 437-3593 Email Address info@pabrine.com  processing or disposal facility in the previous year.  cu yd gal b ton (check one)  2. BENEFICIAL USE  for beneficial use? Yes No  it number or approval number.	
	Title Phone  Volume of waste shipped to p 25  Has the waste been approved	(814) 437-3593 Email Address info@pabrine.com  processing or disposal facility in the previous year.  cu yd gal b ton (check one)  2. BENEFICIAL USE  for beneficial use? Yes No  it number or approval number.	

İ		3. PROCESS DESCRIPTION	N & SCHEMATIC ATTA	CHMENTS		
a.	A detailed description of the the waste, as specified in the			esses producing	⊠ Yes	No
b.	A schematic of the manufa as specified in the instructi		control processes pro	ducing the waste,	∑ Yes	☐ No
C.	If portions of the information a confidentiality claim, as o			n for Yes	☐ No	⊠ N/A
	SEC1	TION C. MANAGEN	arte e la estada de la composição de la composição de la composição de la composição de la composição de la co			
			DISPOSAL FACILITY(I			
The a	rea below (ad.) will accomm				if necessary	1.
a.	Solid waste permit number 0102784	(s) for processing or disp	oosal facility being util	ized.		
b.	Facility Name	Waste Treatment C				
	Address Line 1	341 West Harmar S	treet			
	Address Line 1					
	Address City State ZIP	Warren	PA	16365		
	Municipality	Warren	County	Warren		
C.	Facility Contact Name	Rich Gorton				
	Title	0// 500 / 500				
	Phone	814-726-1500	Email Address	into(a)wasta_traa	tment com	
				info@waste-trea		
d.	Volume of waste shipped to 25	processing or disposal	facility in the previous	s year. n (check one)		
d. a.		processing or disposal	facility in the previous	s year. n (check one)		
	25	processing or disposal	facility in the previous	s year. n (check one)		
a.	Solid waste permit number Facility Name Address Line 1	processing or disposal	facility in the previous	s year. n (check one)		
a.	Solid waste permit number Facility Name Address Line 1 Address Line 1	processing or disposal	facility in the previous	s year. n (check one)		
a.	Solid waste permit number Facility Name Address Line 1 Address City State ZIP	processing or disposal	facility in the previous    lb   tor    cosal facility being util	s year. n (check one)		
a.	Solid waste permit numbers Facility Name Address Line 1 Address City State ZIP Municipality	processing or disposal	facility in the previous	s year. n (check one)		
a.	Solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for a solid waste permit number for	processing or disposal	facility in the previous    lb   tor    cosal facility being util	s year. n (check one)		
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	processing or disposal	facility in the previous	s year. n (check one)		
a. b.	Solid waste permit numbers Facility Name Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	p processing or disposal cuyd gal s) for processing or disp	facility in the previous	s year. n (check one) ized.		
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	processing or disposal cuyd gal (s) for processing or disposal cuyd gal	facility in the previous	s year.  ized.  s year.		
a. b.	Solid waste permit number Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	processing or disposal cuyd gal s) for processing or disposal cuyd gal cuyd gal	facility in the previous	ized.		
a. b.	Solid waste permit numbers Facility Name Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	processing or disposal cuyd gal s) for processing or disposal cuyd gal cuyd gal	facility in the previous	ized.		No
a. b. c.	Solid waste permit number Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to Has the waste been approve If "Yes", list the general per	processing or disposal cuyd gal s) for processing or disposal cuyd gal cuyd gal cuyd gal cuyd gal cuyd gal cuyd gal cuyd management of the processing or approval	facility in the previous	ized.		No
a. b. c.	Solid waste permit number of Solid waste permit number of Solid Waste permit number of Solid Waste Pacifity Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to Solid Waste Phone	processing or disposal cuyd gal s) for processing or disposal cuyd gal cuyd gal cuyd gal cuyd gal cuyd gal cuyd gal cuyd management of the processing or approval	facility in the previous	s year. ized. s year. n (check one)	) Yes	⊠ No

		SECTION D. CERTIFICATION
Report and all attached docu obtaining the information, I knowledge. I understand that	ments verify t the s	nave personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Check the following, if application	ble:	
I certify the information and has not chan	-	ired in Section B-1, General Properties was supplied to the Department for the year
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information	-	red in Section B-2, Chemical Analysis was supplied to the Department for the year
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
I certify the information for the year and h	-	ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
Form Submitted:		Form 26R
		Other (specify)
Date Submitted:		
Name of Responsible Official		Title Environmental Specialist
Dina Brown		
Signature	\$	182 Date



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

typed each	or legit attache	oly printed in t d sheet as F	the spaces   Form 26R, r	provided. If additional	quired information musspace is necessary, identify the moted below.	entify	<b>DEP</b> Date Receiv	USE ( red & G	200200000000000000000000000000000000000	Votes
Gener	ral Refe	rence 287.54								
Date F	Prepare	d/Revised	Febr	uary 11, 2011						
		SEC1	TION A. (	CLIENT (GENERAT	OR OF THE WASTE)	INFORM	IATION			
Comp	any Nar	ne					20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1		James Construction Construction	Special 200000
		ergy USA Inc	•							
		y, Name of Pa	rent Compa	iny			EPA	Gene	rator II	<b>)</b> #
		ergy Inc.					N/A			
		ling Address	Line 1		Company Mailing Add	ress Line 2	•			
	nnwood		•							
		dress Last Lin	e – City	State	— <b> -</b>	Pho			Ex	t
	endale			PA	15086	(72	4) 814-53			
-	-	ntact Last Nan	ne	First Name	MI		Suffi	X		
Brown				Dina	^					
Warre	ipality				<b>County</b> Allegheny					
	ct Phon	Δ	Ext	Contact Email Address				, ,		
	814-53			dybrown@talismanus						
				Mailing Address (note				Yes	$\boxtimes$	No
					aste is generated during	natural das	completion		tions a	
11 110					oad, Columbia Township,					
tempo		red onsite.		· · · · · · · · · · · · · · · · · · ·						
Munic	ipality	Colum			dford		State	PA		**************************************
				SECTION B. WAS	STE DESCRIPTIO	N				
	dual		Residua	al Waste		Un	it of		Time	е
Waste	Code		Code De	scription	Amount	Mea	asure		Fram	ıe
804		Fracing Flui	d Waste (F	low Back Sand)	280	cu yd	gal	<del> </del> -		
11250000000			en konstanti da re la Gardana			∐ lb	⊠ ton		One	<u>l ime</u>
* * * * * * * * * * * * * * * * * * *	TO DA		7.74		PROPERTIES		- 1912 (1913) - <b>\</b>		4444	
a.	pH Ra		7.71		(based on analyses or	r кпоwieage	<del>!)</del>			
b.	Physic	al State		Liquid Waste (EPA						
				Solid (EPA Method	•					
	Dhyaia	al Annaarana		Gas (ambient tempe		المالية	L	<del> </del>		
C.	Physic	al Appearanc		Color Greyish Bla	<del></del>		Irocarbon		·	
				•	uid Phases of Separation	on One	<del>)</del>	***********		
				Describe each phase o	f separation. Sand				<u>-</u>	
At Albert				2 CHEMICAL ANAL	YSIS ATTACHMENTS			Ne Basilia	3295(GE)	
а.	The re	sults of a dots	ailed chemic		the waste, as described	l in the		Yes		No
u.		ctions, is attac		car characterization or	ille waste, as described	i iii tiite		169		NO
b.				ste sampling method i	s attached.		$\boxtimes$	Yes		No
C.					loyed by the laboratory	(ies) is	$\overline{\mathbb{X}}$	Yes	ᅮ	No
	attach	•			, ,	· · · · · ·	لاسكا		اسسا	
d.	The re	sults of the ha	azardous wa	aste determination is a	ttached.			Yes		No
e.		icable, a detai actual chemic			generator knowledge in	n 🗌 Ye	es	No		N/A

#### 2540-PM-BWM0347 Rev. 1/2011

	3.	PROCESS DESCRIPTION	& SCHEMATIC ATTAC	CHMENTS		
a.	A detailed description of the r the waste, as specified in the			esses producing	⊠ Yes	No
b.	A schematic of the manufacture as specified in the instruction		ntrol processes pro	ducing the waste,	⊠ Yes	☐ No
C.	If portions of the information a confidentiality claim, as des			n for Yes	No	⊠ N/A
	SECTION	N.C. MANAGEMI	ENT OF RESIDU	JAL WASTE		
	Miller State Control (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995) (1995)	1. Processing or I	as a comprese programme de la comprese del la comprese de la comprese de la comprese del la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese del la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la comprese del la comprese de la comprese de la comprese de la comprese de la comprese de la comprese de la co	er verkan berama verma kanta ar Men aram Makanda — ar Pigeler beraman — ar ar bet ar danta		
The ar	ea below (ad.) will accommod				if necessary	•
a.	Solid waste permit number(s) 100361	for processing or dispo	sal facility being util	ized.		
b.	Facility Name	McKean County Land	fill			
	Address Line 1	19 Ness Lane				
	Address Line 1					
	Address City State ZIP	Kane	PA	16735		
	Municipality	Kane	County	McKean		
c.	Facility Contact Name	Mike Manderfeld				
	Title	General Manager				
	Phone	814-778-9931	Email Address	manderfeld@gm	ail.com	
d.	Volume of waste shipped to p	cu yd gal	☐ Ib      tor	(check one)		
а.	Solid waste permit number(s)	for processing or dispo	sal facility being util	ized.		
b.	Facility Name					
	Address Line 1					
	Address Line 1					
	Address City State ZIP					
	Municipality		County			
C.	Facility Contact Name					
	Title					
	Phone		Email Address			
d.	Volume of waste shipped to p	rocessing or disposal fa cu yd gal	cility in the previous	-		
		A PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PROD	FICIAL USE			1:,
a.	Has the waste been approved	for beneficial use?			Yes	⊠ No
	If "Yes", list the general permi					
b.	Volume of waste beneficially to	i <b>sed in the previous ye</b> a cu yd gal	ı <b>r.</b>	ı (check one)		

			SECTION D. CERTIFICATION
Reportain know	rt and all attached docu ning the information, I v ledge. I understand that	ments erify the s	have personally examined and am familiar with the information submitted in this Annual and that based upon my inquiry of those individuals immediately responsible for that the submitted information is true, accurate and complete to the best of my ubmission of false information herein is made subject to the penalties of 18 Pa. C.S. on to authorities, which include fine and imprisonment.
Checl	the following, if applicab	le:	
	I certify the information and has not change	-	red in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information and has not change	-	red in Section B-2, Chemical Analysis was supplied to the Department for the year
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
	I certify the information r for the year and h	•	ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Name	of Responsible Official		Title Environmental Specialist
Dina l	Brown _		
Signa	ture du "	3/1	Date 2/25/(/
			l '

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10104077

Phone: (570) 888-0169 Fax: (570) 888-0717

**SEND DATA TO:** 

ADDRESS:

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc. 337 Daniel Zenker Dr

Horseheads, NY 14845

**TEST REPORT** 

PHONE: (607) 731-0145 FAX: (607) 562-4001

WO#: 10104077

PAGE: 1 of 4

PO#:

PWS ID#

RECEIVED FOR LAB BY: CMS

DATE: 10/27/2010 14:15

Page 1 of 4

	Lab II	D: 10104077-001A	Compo	site		
Sa	mple Time	e: 10/26/2010 11:30				
Result		Method	SLOQ	Analysis Start	Analysis End	Analyst *
13 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
< 10 mg/Kg	N	Alcohols by FID	10	11/01/10 9:59	11/01/10	KMG-CV
583 mg/Kg-dry		EPA 6010B	58.5	10/28/10 14:00	10/28/10	RMD-CV
< 0.46 mg/Kg	N	HACH-8167	0.46	11/01/10 14:23	11/01/10	TLB-CV-
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.209 mg/Kg-dry		EPA 8260B	0.209	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
	Result 13 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 10 mg/Kg < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry < 0.042 mg/Kg-dry	Result  13 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 10 mg/Kg N  < 0.46 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry  < 0.042 mg/Kg-dry	13 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N Alcohols by FID  < 10 mg/Kg N EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B  < 10.042 mg/Kg-dry EPA 8260B	Sample Time: 10/26/2010 11:30   SLOQ   Result   Method   13 mg/Kg   N   Alcohols by FID   10   10   10 mg/Kg   N   Alcohols by FID   10   10   10 mg/Kg   N   Alcohols by FID   10   10   10 mg/Kg   N   Alcohols by FID   10   10   10 mg/Kg   N   Alcohols by FID   10   10   10   10   10   10   10   1	Sample Time: 10/26/2010 11:30           Result         Method         Analysis Start           13 mg/Kg         N         Alcohols by FID         10         11/01/10 9:59           < 10 mg/Kg	Result         Method         Analysis Start         Analysis End           13 mg/Kg         N         Alcohols by FID         10         11/01/10 9:59         11/01/10           < 10 mg/Kg

#### REMARKS:

- CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
- Parameter is not NELAC certified
- Ammonia sample not distilled

	$\triangle$			
IANAGER	anni	M. Davis	DATE:	11/3/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10104077

Phone: (570) 888-0169 Fax: (570) 888-0717

**SEND DATA TO:** 

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc.

337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10104077

PAGE:

2 of 4

PO#:

PWS ID#

PHONE:

FAX:

ADDRESS:

(607) 731-0145 (607) 562-4001

**TEST REPORT** 

RECEIVED FOR LAB BY: CMS	DATE	: 1	0/27/2010 14:15			P	age 2 of 4
Toluene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
4-Methyl-2-pentanone (MIBK)	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
trans-1,3-Dichloropropene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,1,2-Trichloroethane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Tetrachloroethene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Dibromochloromethane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,2-Dibromoethane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Chlorobenzene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,1,1,2-Tetrachloroethane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Ethylbenzene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
m,p-Xylene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
o-Xylene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Xylenes, Total	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Bromoform	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,1,2,2-Tetrachloroethane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,2,3-Trichloropropane	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,3-Dichlorobenzene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,4-Dichlorobenzene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
1,2-Dichlorobenzene	< 0.042 mg/Kg-dry		EPA 8260B	0.042	10/28/10 9:55	10/28/10	DN-CV
Chloride	1030 mg/Kg-dry		EPA 300.0	53.1	10/28/10 15:58	10/29/10	HDP-CV
Formaldehyde	< 1.0 mg/Kg-dry	N	NIOSH 3500	1.0	11/01/10 8:15	11/01/10	LTW-CV
Percent Moisture	4.4 %		SM2540G		10/29/10 10:30	11/01/10	NFM-SA

SAMPLE: Flowback Sand

SAMPLED BY: SG

Lab ID: 10104077-001B

Composite

Sample Time: 10/26/2010 11:30

				SLOQ			
<u>Test</u>	Result		<u>Method</u>		Analysis Start	Analysis End	Analyst *
Moisture	4.37 %		Moisture Calc.	0.01	10/29/10 10:30	11/01/10	NFM-SA
Ammonia as N	33.5 mg/kg-dry	U	Lachat	10.5	10/28/10 8:00	10/28/10	NFM-SA

#### **REMARKS:**

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- Parameter is not NELAC certified Ν
- Ammonia sample not distilled

MANIAOED	Commence Transition	DATE	11/3/2010
MANAGER	Chui M. Oaks	DATE:	11/3/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10104077

in the transfer

10104077

3 of 4

Phone: (570) 888-0169 Fax: (570) 888-0717

**SEND DATA TO:** 

ADDRESS:

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc. 337 Daniel Zenker Dr

Horseheads, NY 14845

**TEST REPORT** 

PAGE:

WO#:

PO#:

PWS ID#

PHONE: (607) 731-0145

FAX: (607) 562-4001

RECEIVED FOR LAB BY: CMS	DATE:	10/27/2010 14:15			Pa	age 3 of 4
Free Liquid	< 0.1 %	EPA 9095A	0.1	10/28/10 11:15	10/28/10	IC-SA
pH	7.71@22.3°C	EPA 9045C		11/01/10 14:00	11/01/10	NFM-SA
Phosphorus	16 mg/kg-dry	EPA 365.3	5	11/01/10 9:30	11/02/10	MED-SA
SAMPLE: Flowback Sand	L	ab ID: 10104077-001C	Compo	site		
SAMPLED BY: SG	Sample	Time: 10/26/2010 11:30	0.00			
Test	Result	Method	<u>SLOQ</u>	Analysis Start	Analysis End	Analyst *
Ethylene glycol	< 10.00 mg/Kg	Glycols	10.00	10/29/10 0:00	10/29/10	
Propylene glycol	< 10.00 mg/Kg	Glycols	10.00	10/29/10 0:00	10/29/10	
Sample Note: Analysis performed	by Summit Environmental T	echnologies, Inc.				
SAMPLE: Flowback Sand	L	ab ID: 10104077-001D	Compo	site		
SAMPLED BY: SG	Sample	Time: 10/26/2010 11:30				
	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	Total Control	SLOQ			
<u>Test</u>	Result	<u>Method</u>		Analysis Start	Analysis End	Analyst *
Phenolics, Total Recoverable	9.95 mg/Kg DRY	EPA 9065	1.30	10/29/10 9:30	10/29/10	
Sample Note: Analysis performed	by QC Laboratories.					****
SAMPLE: Flowback-Sand	· L	ab ID: 10104077-091E	Compo	site		
SAMPLED BY: SG	Sample	Time: 10/26/2010 11:30				
Test	Result	<u>Method</u>	SLOQ	Analysis Start	Analysis End	Analyst *
Total Petroleum Hydrocarbons	660 mg/Kg	EPA 9071	170	10/28/10 14:20	10/28/10	-ukaiyat
Sample Note: Analysis performed	• •	• •	170	10/20/10 14:20	10/20/10	
SAMPLE: TCLP Lechate of Flowbac	k Cand	ab ID: 10104077-001G	Compo	eite		
SAMPLED BY: SG		Time: 10/28/2010 8:00	Compo	Site		
SAME ELD DT. GG	Sample	Time. 10/20/2010 0.00	SLOQ			
<u>Test</u>	Result	Method		Analysis Start	Analysis End	Analyst *
Mercury - TCLP extracted	< 0.0008 mg/L	EPA 7470A	8000.0	10/30/10 8:45	10/31/10	RMD-CV
Arsenic - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	10/30/10 13:40	10/31/10	RMD-CV
Barium - TCLP extracted	< 10.00 mg/L	EPA 6010B	10.00	10/30/10 13:40	10/31/10	RMD-CV
REMARKS:						
Where the analytical method has bee	on performed under NELA	P certification the ana	ilveie ha	e met all of the r	equirements	of

- CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
- Parameter is not NELAC certified
- Ammonia sample not distilled

MANAGED	Company Tradition	DATE	11/3/2010
VANAGER	Carrie M. Carris	DATE:	11/3/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10104077

Phone: (570) 888-0169 Fax: (570) 888-0717

SEND DATA TO:

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc.

337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10104077

PAGE:

4 of 4

PO#:

PHONE: FAX:

ADDRESS:

(607) 731-0145 (607) 562-4001

**TEST REPORT** 

PWS ID#

RECEIVED FOR LAB BY: CMS	DATE:	10/27/2010 14:15			P	age 4 of 4
Cadmium - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	10/30/10 13:40	10/31/10	RMD-CV
Chromium - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	10/30/10 13:40	10/31/10	RMD-CV
Copper - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	10/30/10 13:40	10/31/10	RMD-CV
Lead - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	10/30/10 13:40	10/31/10	RMD-CV
Nickel - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	10/30/10 13:40	10/31/10	RMD-CV
Selenium - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	10/30/10 13:40	10/31/10	RMD-CV
Silver - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	10/30/10 13:40	10/31/10	RMD-CV
Zinc - TCLP extracted	< 0.200 mg/L	EPA 6010B	0.200	10/30/10 13:40	10/31/10	RMD-CV

#### **REMARKS:**

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- Parameter is not NELAC certified Ν
- Ammonia sample not distilled U

MANAGER	Carrie M. Darkis	DATE:	11/3/2010

CHAIN OF CUSTODY									PAGE1(	DF1
REPORT TO: Talisman / UEG										
geowetlands@aol.com						V	//O#: 10104077		ARE SPECIAL DETECTI	•
twollin@rallysolutions.ca	REFR	IGERA	TE SA	Mt	J.	•	RESULTS ARE <u>B</u> EII	NG LISED EOB	NEEDED: YES /	• 1
		R COL				DW	DRINKING WATER SL SLUDGE NYDOH NY	DEC PADE	IP IS A QC PACKAG	' '
CONTACT Steve Gridley	_					/ GW SW	GROUND WATER SO SOIL SURFACE WATER HZ HAZARDOUS LAN	DF1LL	_ YES F	
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PROJECT DESCRIPTION	/	TIME COMPLED	ST /	Z Z			An incomplete chain of custody may delay the processing of your sample(s).  ANALYSIS TO BE PERFORMED  (PER CONTAINED)		applica	ible areas ipletely
SAMPLER SIGNATURE / AFFILIATION		3 /		$\frac{1}{2}/\frac{1}{2}$	$\mathbb{F}/\mathbb{F}$				£ /	hierari
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1 Flowback Sand	10/26	שצון	50	۲	45	N	TPH, pH, Free Liquids, % Moisture		-001 A	-G
2 A. metals, anion, Chlorine	<u> </u>						Chlorides, Sodium, Bromine			
3 8260, Alcohot, formable							TCLP Metals: Ar, Ba, Cd, Cr, Pb, Hg, Se			
4 B wetchem							Ag, Cu, Zn, Ni			
5 C-GIVCO							Alcohols, Glycols, Formaldehyde			
6 D-Phenols			٠				EPA 8260			
7 E- TPH			*		<u> </u>		Total Phosphorus, Total Phenolics			
8 F-Total Sample			*				Ammonia - Nitrogen			
9 G-TCLP metals						<u></u>	due 11/1/10	10.0	make a make n a day a day	
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DATE: 131/10 | Immuno 50 Ad Graphics Printing 570-888-0F



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

typed or each atta	n must be fully and accur legibly printed in the space ached sheet as Form 26R . The date on attached she	es provided. If additional s , reference the item num	pace is necessary, iden ber and identify the d	tify Date	<b>DEP U</b> e Receive		NLY eneral Notes
General F	Reference 287.54						
Date Prep	pared/Revised Fe	ebruary 11, 2011					
	SECTION A	CLIENT (GENERATO	R OF THE WASTE) II	NFORMA"	TION		
Company	y Name						
	Energy USA Inc.						
	idiary, Name of Parent Com	pany				3ener	ator ID#
	n Energy Inc. / Mailing Address Line 1	1	Company Mailing Addre	es Lina 2	N/A		
	wood Place	·	Company maning Addre	33 Lilie Z			
	/ Address Last Line – City	State	Zip+4	Phone			Ext
Warrend		PA	15086	(724) 8	314-530	0	
	/ Contact Last Name	First Name	MI		Suffix		
Brown	1	Dina	<u> </u>				
Municipa Warrend			County Allegheny				
Contact F		Contact Email Address	Allegheny				
(724) 814		dybrown@talismanusa	.com				
	ste generated at the Compa					Yes	⊠ No
	escribe location of waste ge						
	015) J well pad site located a	t 368 Beaman Road, Columb	<u>bia Township, Bradford C</u>	ounty, PA. T	he waste	is ten	nporarily
stored on	site.						
Municipa	lity Columbia	County Brad	ford	Sta	ate	PA	
		SECTION B. WAS	TE DESCRIPTION				
Residua	al Resi	dual Waste		Unit o	of		Time
Waste Co	ode Code	Description	Amount	Measu			Frame
804	Fracing Fluid Waste	(Flow Back Sand)	142	∐ cu yd □ lb	∐ gal ⊠ ton		One Time
		1. General	PROPERTIES	Піп	M foli	<u>ш</u>	One Time
a. pl	H Range 7	.96 to	(based on analyses or l	(nowledge)		Service Inches	
	hysical State	Liquid Waste (EPA M					
		Solid (EPA Method 9	095)				
		Gas (ambient temper	rature & pressure)				
c. P	hysical Appearance	Color Greyish Blac		,	carbon		
		Number of Solid or Liqu		One_			
		Describe each phase of	separation. Sand				
		2. CHEMICAL ANAL	VOIS ATTACHMENTS				
a. Tl	he results of a detailed che			n the	$\overline{\square}$	Yes	□ No
in	structions, is attached.		·				
	detailed description of the					Yes	No No
	he quality assurance/quality tached.	y control procedures empl	oyed by the laboratory(i	es) is	$\boxtimes$	Yes	☐ No
	LUUIIGU						
	he results of the hazardous	waste determination is att	ached.		X	Yes	No
	ne results of the hazardous applicable, a detailed expla eu of actual chemical analy	nation supporting use of g		☐ Yes		Yes No	☐ No ☐ N/A

	• • • • • • • • • • • • • • • • • • •	PROCESS DESCRIPTION &						
a.	A detailed description of the the waste, as specified in the		ution control proce	sses producing	⊠ Yes	☐ No		
b.	A schematic of the manufacturing and/or pollution control processes producing the waste,							
c.	c. If portions of the information submitted are confidential, the substantiation for Yes No N/A a confidentiality claim, as described in the instructions, is attached.							
	SECTION	ON C. MANAGEMEI	NT OF RESIDII	AL WASTE				
	980 //	1. Processing or Di	Palateria del 2004 de circo de la composición de la composición de la composición de la composición de la comp	Complete March Complete March (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (March 1997) (				
The ar	ea below (ad.) will accommod				if necessarv			
a.	Solid waste permit number(s) 100361							
b.	Facility Name	McKean County Landfil				-		
	Address Line 1	19 Ness Lane						
	Address Line 1							
	Address City State ZIP	Kane	PA	16735				
	Municipality	Kane	County	McKean				
c.	Facility Contact Name	Mike Manderfeld						
	Title	General Manager						
	Phone			1 6110	*1			
	Priorie	814-778-9931	Email Address	manderfeld@gm	ail.com			
d					ail.com			
d.	Volume of waste shipped to p	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
d. a.	Volume of waste shipped to p	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
	Volume of waste shipped to p	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address City State ZIP	rocessing or disposal fac	ility in the previous  ☐ lb ☑ ton al facility being utili	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1	rocessing or disposal fac	ility in the previous ☐ lb      ton	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address City State ZIP	rocessing or disposal fac	ility in the previous  ☐ lb ☑ ton al facility being utili	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	rocessing or disposal fac	ility in the previous  ☐ lb ☑ ton al facility being utili	year. (check one)				
a.	Volume of waste shipped to p 142   Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name	rocessing or disposal fac	ility in the previous  ☐ lb ☑ ton al facility being utili	year. (check one)				
a.	Volume of waste shipped to p 142  Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title Phone	rocessing or disposal fac cu yd	ility in the previous  Ib	year. (check one) zed.				
a. b. c.	Volume of waste shipped to p 142  Solid waste permit number(s)  Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality  Facility Contact Name Title	rocessing or disposal fac cu yd	ility in the previous  Ib Solution  It is ton  It is ton  County  Email Address  It is ton  It is ton	year. (check one) zed.				
a. b. c.	Volume of waste shipped to p 142	rocessing or disposal fac cu yd	ility in the previous  Ib Solution  It is ton  It is ton  County  Email Address  It is ton  It is ton	year. (check one) zed.				
a. b. c.	Volume of waste shipped to p 142	rocessing or disposal fac cu yd	ility in the previous  Ib Ston  al facility being utili  County  Email Address  ility in the previous  Ib Ston  CIAL USE	year. (check one) zed.		No		
a. b. c. d.	Volume of waste shipped to p 142	rocessing or disposal fac cu yd	ility in the previous    lb	year. (check one) zed.		No No		
a. b. c.	Volume of waste shipped to p 142	rocessing or disposal fac cu yd	ility in the previous    lb	year. (check one)  zed.  year. (check one)	Yes	No		

			SECTION D. CEI	RTIFICAT	TION		
I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment.							
Checl	k the following, if applica	ble:					
	I certify the information and has not char		ed in Section B-1, Genera	l Properties	s was supplied to the Department for the year		
	Form Submitted:		Form 26R				
			Other (specify)				
	Date Submitted:						
	I certify the information and has not char		red in Section B-2, Chemic	al Analysis	s was supplied to the Department for the year		
	Form Submitted:		Form 26R				
			Other (specify)				
	Date Submitted:						
	I certify the information for the year and h	-		escription	and Schematic, was supplied to the Department		
	Form Submitted:		Form 26R				
			Other (specify)				
	Date Submitted:						
Name	of Responsible Official			Title	Environmental Specialist		
Dina	Brown	1			, ,		
Signa	ture 1000 C	ZLE	n	Date	2/25/11		

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10112518

Phone: (570) 888-0169 Fax: (570) 888-0717

SEND DATA TO:

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc. ADDRESS:

337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10112518

PAGE:

1 of 4

PO#:

PHONE: FAX:

(607) 731-0145 (607) 562-4001

PWS ID#

Pad

RECEIVED FOR LAB BY: SCP

DATE: 11/16/2010 16:40

**TEST REPORT** 

Page 1 of 4

SAMPLE: Flowback Sand		Lab	D: 10112518-001A	Compo	osite		
SAMPLED BY: SG	Samp	ole Tim	e: 11/16/2010 13:50	01.00	·		
<u>Test</u>	Result		Method	SLOQ	Analysis Start	Analysis End	Analyst *
Methanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10 13:51	11/17/10	KMG-CV
Ethanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10 13:51	11/17/10	KMG-CV
Isopropanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10 13:51	11/17/10	KMG-CV
t-Butanol	< 10 mg/Kg	N	Alcohols by FID	- 10	11/17/10 13:51	11/17/10	KMG-CV
n-Propanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10 13:51	11/17/10	KMG-CV
Isobutanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10.13:51	11/17/10	KMG-CV
n-Butanol	< 10 mg/Kg	N	Alcohols by FID	10	11/17/10 13:51	11/17/10	KMG-CV
Sodium	1350 mg/Kg-dry		EPA 6010B	70.3	11/18/10 9:00	. 11/18/10	GSR-CV
Bromine	<0,46 mg/kg	-N	HACH 8167	0.05	11/18/10 9:48	11/18/10	SMH-CV
1,1-Dichloroethene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Methylene chloride	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
2-Butanone	< 0.213 mg/Kg-dry		EPA 8260B	0.213	11/17/10 21:01	11/17/10	DN-CV
trans-1,2-Dichloroethene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,1-Dichloroethane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
cis-1,2-Dichloroethene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Chloroform	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,1,1-Trichloroethane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Carbon tetrachloride	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Benzene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,2-Dichloroethane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Trichloroethene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,2-Dichloropropane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Dibromomethane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Bromodichloromethane	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
cis-1,3-Dichloropropene	< 0.043 mg/Kg-dry		EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV

#### **REMARKS:**

- \* CV = Benchmark Analytics, Inc. Center Valley, PA; ŠA = Benchmark Analytics, Inc. Sayre, PA
- Ν Parameter is not NELAC certified
- Ammonia sample not distilled

MANAGER	1/1/1 / A FI/I / VAVIDACION	DATE:	11/23/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10112518

Phone: (570) 888-0169 Fax: (570) 888-0717

SEND DATA TO:

NAME:

Steve Gridley

ADDRESS:

COMPANY: Talisman Energy USA, Inc. 337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10112518

PAGE:

2 of 4

PO#:

**TEST REPORT** 

PWS ID#

PHONE:

FAX:

(607) 731-0145

(607) 562-4001

Pad

CEIVED FOR LAB BY: SCP	DATE:	11/16/2010 16:40			F	age 2 of
Toluene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
4-Methyl-2-pentanone (MIBK)	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
trans-1,3-Dichloropropene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,1,2-Trichloroethane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Tetrachloroethene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Dibromochloromethane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,2-Dibromoethane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Chlorobenzene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,1,1,2-Tetrachloroethane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Ethylbenzene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
m,p-Xylene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
o-Xylene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Xylenes, Total	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Bromoform	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,1,2,2-Tetrachloroethane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,2,3-Trichloropropane	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,3-Dichlorobenzene	< 0.043 mg/Kg-dry	EPA 8260B	0,043	11/17/10 21:01	11/17/10	DN-CV
1,4-Dichlorobenzene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
1,2-Dichlorobenzene	< 0.043 mg/Kg-dry	EPA 8260B	0.043	11/17/10 21:01	11/17/10	DN-CV
Chloride	2540 mg/Kg-dry	EPA 300.0	53.8	11/18/10 15:13	11/19/10	HDP-C\
Formaldehyde	3.6 mg/Kg-dry	N NIOSH 3500	1.0	11/19/10 7:45	11/19/10	LTW-C
Percent Moisture	6.0 %	SM2540G		11/17/10 9:00	11/18/10	IC-SA

SAMPLE: Flowback Sand

SAMPLED BY: SG

Lab ID: 10112518-001B

Composite

Sample Time: 10/16/2010 13:50

				SLOQ			
Test	Result		<u>Method</u>		Analysis Start	Analysis End	Analyst *
Moisture	6.01 %		Moisture Calc.	0:01	11/17/10 9:00	11/18/10	IC-SA
Ammonia as N	12.9 mg/kg-dry	U	Lachat	1.1	11/18/10 12:00	11/18/10	JP-SA

#### **REMARKS:**

- \* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
- Parameter is not NELAC certified
- Ammonia sample not distilled

MANAGER	Carrie M. Davis	DATE:	11/23/2010
MANAGEN	Carrie M. Oaks	D/\1L.	11/23/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave. Sayre, PA 18840

Work Order: 10112518

Phone: (570) 888-0169 Fax: (570) 888-0717

SEND DATA TO:

NAME:

Steve Gridley

COMPANY: ADDRESS:

Talisman Energy USA, Inc. 337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10112518

PAGE:

3 of 4

PO#:

PHONE:

(607) 731-0145

**TEST REPORT** 

PWS ID#

FAX:	(607) 562-4001		
Pad			
	ED FOR LAB BY: SCP	DATE: 11/16/2010 16:40	

			., .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			····
Phosphorus	18 mg/kg-dry	EPA 365.3	5	11/17/10 14:30	11/18/10	MED-SA
pΗ	7.96@24.3°C	EPA 9045C		11/17/10 16:52	11/17/10	SG-SA
Free Liquid	< 0.1 %	EPA 9095A	0.1	11/16/10 17:00	11/16/10	IC-SA

SAMPLE: Flowback Sand

SAMPLED BY: SG

Lab ID: 10112518-001C Sample Time: 10/16/2010 13:50 Composite

Test

Method Result Glycols by 8015 < 10.00 mg/kg

SLOQ 10.00

Analysis Start 11/18/10 0:00

11/18/10 0:00

Analysis End Analyst \* 11/18/10

11/18/10

Page 3 of 4

< 10.00 mg/kg Glycols by 8015 Propylene glycol Sample Note: Analysis performed by Summit Environmental Technologies, Inc.

SAMPLE: Flowback Sand

Ethylene glycol

Sample Time: 10/16/2010 13:50

Lab ID: 10112518-001D

Composite

SAMPLED BY: SG

Result

Method

SLOQ

10.00

Test Phenolics, Total Recoverable

11.1 mg/Kg DRY

**EPA 9065** 

**Analysis Start** 1.33 11/19/10 8:45 Analysis End Analyst \*

11/19/10

Sample Note: Analysis performed by QC Laboratories.

SAMPLE: Flowback Sand

Lab ID: 10112518-001E

Composite.

SAMPLED BY: SG

Sample Time: 10/16/2010 13:50

SLOQ

Total Petroleum Hydrocarbons

Result 879 mg/Kg Method **EPA 9071** 

**Analysis Start** 11/18/10 14:40 Analysis End Analyst \* 11/18/10

Sample Note: Analysis performed by Microbac Laboratories, Inc-Erie Division.

SAMPLE: TCLP Extract of Flowback Sand

Lab ID: 10112518-001G

Composite

SAMPLED BY: SG

Sample Time: 11/17/2010 8:00

SLOO

			9500			
<u>Test</u>	Result	<u>Method</u>		Analysis Start	Analysis End	Analyst *
Mercury - TCLP extracted	< 0.0008 mg/L	EPA 7470A	0.0008	11/17/10 9:00	11/18/10	KW-CV
Arsenic - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	11/18/10 13:15	11/18/10	GSR-CV
Barium - TCLP extracted	< 10.00 ma/L	EPA 6010B	10.00	11/18/10 13:15	11/18/10	GSR-CV

#### **REMARKS:**

- CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA
- Parameter is not NELAC certified
- Ammonia sample not distilled

MANAGER	Carr	M. Davis	DA	ATE:	11/23/2010

## Benchmark Analytics, Inc. **Eastern Division**

2566 Pennsylvania Ave.

Sayre, PA 18840

Work Order: 10112518

Phone: (570) 888-0169 Fax: (570) 888-0717

**SEND DATA TO:** 

ADDRESS:

FAX:

NAME: Steve Gridley

COMPANY: Talisman Energy USA, Inc.

337 Daniel Zenker Dr

Horseheads, NY 14845

WO#:

10112518

PAGE:

4 of 4

PO#:

PHONE: (607) 731-0145

PWS ID#

(607) 562-4001

Pad						
RECEIVED FOR LAB BY: SCP	DATE: 11/16/2010 16:40				Page 4 of	
Cadmium - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	11/18/10 13:15	11/18/10	G\$R-CV
Chromium - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	11/18/10 13:15	11/18/10	GSR-CV
Copper - TCLP extracted	0.106 mg/L	EPA 6010B	0.100	11/18/10 13:15	11/18/10	GSR-CV
Lead - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	11/18/10 13:15	11/18/10	GSR-CV
Nickel - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	11/18/10 13:15	11/18/10	GSR-CV
Selenium - TCLP extracted	< 0.500 mg/L	EPA 6010B	0.500	11/18/10 13:15	11/18/10	GSR-CV
Silver - TCLP extracted	< 0.100 mg/L	EPA 6010B	0.100	11/18/10 13:15	11/18/10	GSR-CV
Zinc - TCLP extracted	< 0.200 mg/L	EPA 6010B	0.200	11/18/10 13:15	11/18/10	G\$R-CV

**TEST REPORT** 

#### **REMARKS:**

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted on the Analytical Report.

\* CV = Benchmark Analytics, Inc. Center Valley, PA; ŠA = Benchmark Analytics, Inc. Sayre, PA

Parameter is not NELAC certified Ν

Ammonia sample not distilled U

MANAGER	Carrie M. Davis	DATE:	11/23/2010

	CHAIN OF CUSTODY	_				B	€		PAGE 1	OF1
	Talisman / UEG				25	66 P	ert.	,		
	geowetlands@aol.com	1					MIOH. 40442549		ARE SPECIAL DETECT	
		REFRIGE	DATE OF	AND E	c		W/O#: 10112518		NEEDED: YES /	
		AFTER CO			<b>ა</b>			אטיז עשנטי ניא:	IF YES, PLEASE ATTAC	H .
						/DW GV	DRINKING WATER SL SLUDGE NYDOH NYDI GROUND WATER SO SOIL	EC PADEP	IS A QC PACKA	GE NEEDED?
	CONTACT Steve Gridley	TRAN	SPORT		,	/ SW		FILL	YES .	∃NO
	PH# 607-731-0145	1 1	О			DE	DEIGNIZED WATER DI DISTRI ED WATER DERSONAL OTHER	₹	IF YES, PLEASE ATTAC	H REQUIREMENTS
	FAX#	L .	RATORY OLER	•		15	H HYDROCHLORIC ACID OH SODIUM HYDROXIDE S SULFURIC ACID AS ASCORBIC ACID		/ / [5]	
	BILL TO: Talisman		H ICE	/	/ /	PRESC MITHUS SOMPOSITE	N NITRIC ACID AC ACETIC ACID	/	Please applic cor	
	`	J <del></del>	7	_/		્રે /	SO, SODIUM SULFITE NH4 AMMONIUM CHLORIDE Thio SODIUM THIOSULFATE ZN ZINC ACETATE		\$ 18	
	PO# COMPLETIONS	] /	/ 🔌		18	] ] [	/ - NONE Hg MERCURIC CHLORIDE		/\$ Please	e fill out all
	PROJECT DESCRIPTION				i j		An incomplete chain of custody may delay the processing of your sample(s).		applic	able areas
	SAMPLER SIGNATURE / AFFILIATION		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	$\frac{N_{ij}}{N_{ij}} / \frac{N_{ij}}{N_{ij}}$	$\left\langle \hat{y} \right\rangle$	$\mathcal{E}/\mathcal{E}$	E / processing or your example().		Z. co.	mpletely
	CONTAINER SAMPLING POINT	DATE SAMPLED	SAMO. SAMPLING	SAMPLEMATRIX	1	PRECE MITALS	An incomplete chain of custody may delay the processing of your sample(s).  ANALYSIS TO BE PERFORMED  (DER CONTAINED)	COMPOSITED ON PECE	/ LABLIOE	ONUV
		<del>//</del>	<del>/</del>						LAB USE	JINLY
	1 Flowback Sand	19/16 1350	180		50-	<u> </u>	TPH, pH, Free Liquids, % Moisture			
	2 0 LM (1)	illi u	emy	بيل	1/10		Chlorides, Sodium, Bromine			
EB	3 A-TPH .		<u>ر</u> .	1/1.	, ,		TCLP Metals: Ar, Ba, Cd, Cr, Pb, Hg, Se			
	4 . A- pH Free Liquida % 1	loistun	4),1	no	<u>, 5</u>	) H :	Rag, Cu, Zn, Ni			
A		Hadha		orn	alde	hyde	Alcohols, Glycols, Formaldehyde			
C	6 Chicol		'				EPA 8260			
D	7 A-Phanols						Total Phosphorus, Total Phenolics			
Α	8 \$ 8260						Ammonia - Nitrogen			
F	9 G. T. Sample				***************************************		:			
G	I C NALO	4. 1.					24 HOUR TURNAROUND			
	11	1,1,5					DAY TURNAROUND			
	LAB USE ONLY THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE PART OF THE P			11.1					PSG PARRIVAL	ONICENAN
	RELINOUIS ED BY-				T	IME:	RECEIVED BY:		DATE:	TIME:
	90-1		DATE:	611	0	10	90		1 1	
	RELINQUISHED BY:		Date: /	1	[ <sup>T</sup>	IME:	RECEIVED BY:		DATE:	TIME:
	RELINQUISHED BY:		DATE:	1	T	IME:	RECEIVED BY:		DATE: 10:10	TIME: 10:40

Ad Graphics Printing 570-889-0685



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

### FORM 26R CHEMICAL ANALYSIS OF RESIDUAL WASTE ANNUAL REPORT BY THE GENERATOR

typed o	or legib ettache	ust be fully and accur ply printed in the space d sheet as Form 26R, e date on attached she	ntify		USE 0 ved & G	<b>DNLY</b> eneral Notes			
		rence 287.54							
Date P	repared	d/Revised Fe	ebruary 11, 2011						
		SECTION A.	<b>CLIENT (GENERATO</b>	R OF THE WASTE) I	INFOR	RMATION			
Compa									
		ergy USA Inc.					0		
		<b>y, Name of Parent Com</b> ergy Inc.	pany			N/A		rator ID#	
		ling Address Line 1		Company Mailing Addr	ess l ind				
		d Place	`	Joinparry maining Addi	COO LIII	· •			
		ress Last Line – City	State	Zip+4	Р	hone		Ext	
Warrer	ndale		PA	15086	(	724) 814-53	800		
-	ny Cor	ntact Last Name	First Name	MI		Suff	ix		
Brown			Dina						
Munici Warrer				County					
Contac		e Ext	Contact Email Address	Allegheny					
(724) 8			dybrown@talismanusa.	com					
			ny Mailing Address (noted		***************************************		Yes	⊠ No	
			neration and storage. Was		natural ga	as completio			
	01-047		at 2196 Fallbrook Road, Arm						
stored o	onsite.								
Munici	nality	Armenia	County Bradf	ord		State	PA		
mamo.	pancy	Annonia	SECTION B. WAS		d	<u> </u>	1.7		
Resid	lual	Rasio	lual Waste		Activities and product of entirement	Unit of	T	Time	
Waste			Description	Amount	1	leasure		Frame	
804		Fracing Fluid Waste		316	☐ cu ː	yd 🗌 gal			
		Tracing Fluid Waste	•		□lb	⊠ ton		One Time	
			1. GENERAL I						
a.	pH Ra		27 to	(based on analyses or	knowled	ige)			
b.	Physic	cal State	☐ Liquid Waste (EPA M ☐ Solid (EPA Method 90	95)					
	DI		Gas (ambient tempera			,			
C.	Physic	cal Appearance	Color Greyish Black			lydrocarbon			
			Number of Solid or Liqui		on	)ne			
			Describe each phase of	separation. Sand					
			2. CHEMICAL ANALY	SIS ATTACHMENTS					
a.		sults of a detailed cher	nical characterization of th		in the	$\boxtimes$	Yes	☐ No	
b.			waste sampling method is	attached.		X	Yes	□ No	
C.			control procedures emplo		(ies) is		Yes	□ No	
	attach	ed.	-		. ,				
d.			waste determination is atta		· · ·	$\boxtimes$	Yes	☐ No	
e.		icable, a detailed expla actual chemical analys	nation supporting use of g sis is attached.	enerator knowledge in		Yes 🗌	No	⊠ N/A	

		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTA	CHMENTS							
a.	A detailed description of the the waste, as specified in t			esses producing	⊠ Yes	☐ No					
b.	A schematic of the manufacturing and/or pollution control processes producing the waste, Yes No as specified in the instructions, is attached.										
C.	If portions of the information a confidentiality claim, as			on for Yes	☐ No	⊠ N/A					
	SEC	TION C. MANAGEI	MENT OF RESIDU	JAL WASTE							
		1. PROCESSING O	R DISPOSAL FACILITY(II	ES)							
The ar	rea below (ad.) will accomm	nodate the identification	of two facilities. Attacl	h additional sheets	if necessary						
a.	Solid waste permit number 100361	r(s) for processing or dis	posal facility being uti	lized.	,						
b.	Facility Name	McKean County La	ndfill								
	Address Line 1	19 Ness Lane									
	Address Line 1										
	Address City State ZIP	<u>Kane</u>	PA PA	16735							
	Municipality	Kane	County	McKean							
c.	Facility Contact Name	Mike Manderfeld									
	Title	General Manager									
	Phone	814-778-9931	Email Address	manderfeld@gm	ail.com						
d.	Volume of waste shipped t 316	<b>o processing or disposa</b> cu yd gal	I facility in the previous	_	1						
a.	Solid waste permit number	(s) for processing or dis	posal facility being uti	lized.							
b.	Facility Name										
	Address Line 1										
	Address Line 1										
	Address City State ZIP										
	Municipality		County								
C.	Facility Contact Name		·····								
	Title										
	Phone		Email Address								
d.	Volume of waste shipped to			•							
		cu yd gal	☐ Ib ☐ tor	i (check one)							
			NEFICIAL USE	(Check one)							
a.	Has the waste been approv	2. BE			Yes	No No					
a.	Has the waste been approv If "Yes", list the general pe	2. BE	NEFICIAL USE			⊠ No					
a. b.	• •	2. BE red for beneficial use?	NEFICIAL USE		☐ Yes	⊠ No					

n ter pertuit Lefter harts in er	Agentum banda a di Para e — a di mampione - Angalia ang sa atawa.	Control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second		5.7 (2.87) White Property Co. 1 (2.17) 10 (1.17) 10 (1.17) 10 (1.17)	TO THE CANDIDATE OF A CONTROL OF THE WAS A STORY OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF	
			SECTIO	N D. CERTIFICAT	ΓΙΟΝ	
Report obtain know	rt and all attached docu ning the information, I	iments verify t the s	and that based that the submit ubmission of fal	d upon my inquiry of tted information is tru ise information herein	iar with the information submitted in this Annual those individuals immediately responsible folia, accurate and complete to the best of mis made subject to the penalties of 18 Pa. C.S. imprisonment.	or Iy
Checl	k the following, if applica	ble:				
	I certify the information and has not char		red in Section I	B-1, General Properties	s was supplied to the Department for the year	ar
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the information and has not char	-	red in Section I	3-2, Chemical Analysis	s was supplied to the Department for the yea	ır
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
	I certify the information for the year and h			3, Process Description	and Schematic, was supplied to the Departmer	nt
	Form Submitted:		Form 26R			
			Other (specify)			
	Date Submitted:					
Name	of Responsible Official			Title	Environmental Specialist	
Dina I	Brown	1				
Signa	ture La S	W	~	Date	2/25(/1	
					ŧ	