

May 25, 2011

VIA HAND DELIVERY

Ms. Jacqueline Morrison (3LC00)
Land and Chemicals Division
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 9103-2029

Re: EPA Request for Information on Marcellus Shale Flowback Water

Dear Ms. Morrison:

Enclosed is the response by Atlas Resources, LLC ("Atlas") to the U.S. Environmental Protection Agency, Region III ("EPA") information request dated May 12, 2011, entitled "Request for Information on Marcellus Shale Flowback Water" (the "Information Request"). We are enclosing both a hard copy of Atlas's response and a CD containing the electronic files of (1) the text of the Atlas Response in Microsoft Word format; (2) certain Exhibits that are Microsoft Excel format; and (3) the remaining Exhibits that are either maintained in our records in PDF format or have been scanned from hard copy files into PDF format. Exhibit 3G (a binder reflecting chemical analyses) is available in hard copy only, and has not been scanned into PDF.

If you should have any questions regarding this response, please do not hesitate to contact either myself or our environmental counsel, R. Timothy Weston of K&L Gates LLP (717.231.4504; e-mail: tim.weston@klgates.com).

Sincerel

Lisa Washington Chief Legal Officer

Enclosures

cc: R. Timothy Weston, K&L Gates LLP

Jeffrey Simmons, Atlas Resources, LLC

Response to EPA Information Request Dated May 12, 2011 Concerning Marcellus Shale Flowback Water

This serves as the response by Atlas Resources, LLC ("<u>Atlas</u>") to the U.S. Environmental Protection Agency, Region III ("<u>EPA</u>") information request dated May 12, 2011, entitled "Request for Information on Marcellus Shale Flowback Water" (the "<u>Information Request</u>").

Although Atlas has made a diligent and good faith effort to respond to the requests set forth in the EPA Information Request as fully and completely as practicable within the extremely short period of time provided, Atlas nonetheless respectfully sets forth the objections stated in the attached Appendix A to preserve its rights. The responses below are based on the information available to Atlas as of the date of this response. As indicated below, some of the information requested in the EPA Information Request is not currently available to Atlas, as it relates to data that will be obtained from reports from contractors that would in the ordinary course be expected to be received subsequent to the date of this response. Accordingly, Atlas respectfully reserves the right to amend or supplement the responses below if and when additional information is received. Subject to, and without waiving such objections and reservations, Atlas responds as stated below. Each of the numbered items ("Requests") listed in the EPA Information Request are set forth below in bold italics, and Atlas's response to each such Request is provided below each such item.

1. 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.

In responding to Request No. 1, Atlas has relied upon the oral clarification received from EPA's counsel that the term "Well" is to be interpreted as limited to Wells that have been permitted by a state agency for the exploration and production of natural gas from the Marcellus Shale formation (a "Marcellus Shale Well"). Subject to that understanding, **Exhibit 1** provides a spreadsheet listing the Marcellus Shale Wells within Region III that have been permitted by a state agency and that as of the date of this response are owned or operated by Atlas. Atlas notes that as of February 17, 2011, certain other Marcellus Shale Wells previously owned or operated by Atlas Resources, LLC were transferred to indirectly wholly-owned subsidiaries of Chevron Corporation ("Chevron"), and the state-issued permits relating to those Marcellus Shale Wells have also been transferred.

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.

<u>Exhibits 2A</u>, <u>2B</u>, <u>2C</u>, <u>2D</u>, <u>2E</u>, and <u>2F</u> are copies of the Pennsylvania Department of Environmental Protection's Form 26R's for Gas Extraction Wastewaters generated by the Marcellus Shale Wells listed in <u>Exhibit 1</u>, covering the period of calendar year 2010. <u>Exhibit 2G</u> provides the related chemical analyses. (The chemical analyses are available only in hard copy.)

- 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:
 - a. For each Well, the actual or estimated amount of Gas Extraction Wastewater generated;

Based on information currently available to Atlas's management, for the Atlas Marcellus Shale Wells located within the southwestern Pennsylvania counties of Fayette, Greene, Washington, and Westmoreland (the "Core Counties"), Exhibit 3A1 provides a spreadsheet entitled Total Fluid Production Report listing each Atlas Marcellus Shale Well within the Core Counties, including the amount of fluids (including Gas Extraction Wastewater) generated by such Marcellus Shale Well between April 19, 2011 and May 19, 2011 (the "Report Range"). Exhibit 3A1 was compiled from information on measured or estimated volumes of fluids generated by each Marcellus Shale Well as provided daily from field operation sites, and may be subject to verification and correction. The columns labeled "Total Fluid" represents the total volume of all fluids generated as reported during the Report Range, and with totals expressed in both barrels (where one barrel = 42 gallons) and gallons. The total fluid includes, but is not limited to, Gas Extraction Wastewaters. Total fluids may include other materials, such as oil or condensate product. At present, Atlas does not have the ability to segregate within its database those fluids that meet the Information Request's definition of "Gas Extraction Wastewaters" versus other fluids that may not meet that definition.

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;

Information concerning Gas Extraction Wastewater and other material shipments is compiled via two processes, which vary by the location of the Marcellus Shale Wells in question. For Atlas's Marcellus Shale Wells within the southwestern Pennsylvania Core Counties, Chevron is currently providing wastewater management services pursuant to a transition services arrangement following the February 2011 transaction between Atlas and Chevron. For the

limited number of Atlas Marcellus Shale Wells outside of the Core Counties, Atlas compiles such information in its wastewater management tracking system. In each case, such information is compiled based upon contractor trip tickets, manifests and invoices, which are typically submitted one to two weeks after the shipment. Further, it takes several weeks to validate the many manifests with the well operational data. Accordingly, it is not possible for Atlas to respond to Request 3.b with information that is complete and accurate through "present," as Atlas would expect additional information regarding shipments that have occurred during the period after April 19, 2011 and the date of this response to be received and compiled subsequent to May 25, 2011. Further, some of the information in the database reflects preliminary shipment information entered into the database through May 19, 2011, where due to the limited time available, it was not possible to verify and reconcile the information. (For example, information may have been entered based on estimated volumes in a truckload, assuming that the truck was full.) Therefore, Atlas reserves the right to supplement and revise this response when such additional information becomes available.

Subject to the foregoing limitations and reservations, **Exhibit 3B1** provides a compilation prepared by Chevron with respect to the shipment of Gas Extraction Wastewater from such Atlas Marcellus Shale Wells in the Core Counties as reported and entered into the database as of May 19, 2011. The spreadsheet at tab "3(b)" of Exhibit 3B1 lists the facilities receiving Gas Extraction Wastewater from April 19, 2011 to May 19, 2011 from the Marcellus Shale Wells in the Core Counties. The spreadsheet at tab "3(c)" of Exhibit 3B1 contains information prepared by Chevron concerning the volumes of treated and untreated water from the Marcellus Shale Wells in the Core Counties that were recycled.

Subject to the foregoing limitations and reservations, based on information currently available to Atlas's management, <u>Exhibit 3B2</u> provides two spreadsheets, entitled "Brine Water Tracking – Month of April 2011" and "Brine Water Tracking, Month of May 2011," providing information concerning Gas Extraction Wastewater shipped for treatment or disposal from the Atlas Marcellus Shale Wells outside of the Core Counties within EPA Region III. No Gas Extraction Wastewater from Atlas Marcellus Shale Wells within the Non-Core Counties was recycled.

The names and addresses of the material transporters listed in Exhibits 3B1 and 3B2 are provided in **Exhibit 3B3**. The names and addresses of the wastewater treatment or disposal facilities receiving the material are provided in **Exhibit 3B4**.

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;

See response to Request 3.b.

d. A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater; and

As noted above, for Atlas's Marcellus Shale Wells within the Core Counties, Chevron is currently providing wastewater management services. Chevron indicates that for most such Gas Extraction Wastewater, it is utilizing a proprietary, patent-pending water reuse process to utilize

Gas Extraction Wastewater generated at the Atlas Well sites [at other Well sites that are being developed by Chevron]. Atlas does not have information concerning the details of the Chevron proprietary methods. Some Gas Extraction Wastewater is trucked to Appalachia Water Services in Masontown, PA, which provides treatment and return of treated water for reuse in the development (including hydrofracturing) of Marcellus Shale Wells. Appalachian Water Services utilizes a combination of softening and clarification to prepare the material for reuse by Chevron.

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.

Pennsylvania Code Title 52 Section 78.55 does not exist. Title 52 of Pennsylvania Code relates to public utility regulation, and does not have a Chapter 78.

Assuming that EPA intended to refer to 25 Pa. Code §78.55, Atlas respectfully notes that under §78.55(d), an operator is only required to submit a copy of a control and disposal plan to the Pennsylvania Department of Environmental Protection (""PaDEP") "upon request." To the best of Atlas's knowledge, information and belief, no such request has been received by Atlas from PaDEP. Accordingly, after April 19, 2011, Atlas has not submitted any modified disposal plans to PaDEP pursuant to 25 Pa. Code §78.55. However, in response to the call by PaDEP Secretary Krancer in his press release issued on April 19, 2011, as of May 19, 2011, Atlas has ceased the use of the 15 "grandfathered" treatment facilities referenced in that press release for the treatment or disposal of Gas Extraction Wastewater from Atlas's Marcellus Shale Wells.

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.

Notwithstanding the objections set forth in Appendix A, Atlas responds that it does not use pits, lagoons, or impoundments for the disposal of any Gas Extraction Wastewater. With limited exceptions, for Atlas's Marcellus Shale Wells that have been placed into production, Gas Extraction Wastewater is collected and temporarily held in steel, fiberglass, or plastic tanks prior to the recycling or transport of such material to off-site locations for recycling, treatment or disposal. During the process of drilling, fracing, and flowback immediately following fracing and flowback, Gas Extraction Wastewater may be held in lined pits located at the subject well pad site pending either recycling or transport of such material to off-site locations for recycling, treatment or disposal.

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¹ Atlas would note that PaDEP's Oil and Gas Operators Manual, Ch. 4, provides that such control and disposal plans may be incorporated into Preparedness. Prevention and Contingency ("PPC") Plans, which is what Atlas has done.

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.

Notwithstanding the objections set forth in Appendix A, <u>Exhibit 3G</u> provides a table listing the limited number of Marcellus Shale Well pads that currently use lined pits for the temporary management of Gas Extraction Wastewater. In some cases, the dimensions and capacity of those lined pits were not compiled as of the date of this Response. The latitude and longitude of each separate pit is not available; <u>Exhibit 3G</u> provides the latitude and longitude of the well pad on which the respective pits are located. Atlas does not have any centralized wastewater impoundments.

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.

Notwithstanding the objections set forth in Appendix A, Atlas responds as follows.

For the four Core Counties that are covered under Chevron's services agreement with Atlas, the intention is to be recycling 100% of drilling, flowback, and produced water by the end of 2011 using Chevron's proprietary patent-pending water reuse process. Any water not reused will be disposed in permitted UIC disposal wells in Ohio, including specifically the Hunter Disposal, LLC facility in Dexter City, Ohio (which has two permitted UIC wells).

For the limited number of Atlas Marcellus Shale wells outside of the Core Counties, Atlas intends to utilize the following UIC well facilities:

Resource Energy Services 1823 State Route 14 Deerfield, Ohio 44411 330-654-4343 Permit # 3413302860 (Viking Resource Corp #1)

Ohio Oil Gathering 10199 County Road 620 Killbuck, Ohio 44637 330-276-5091 Permit # 34075245270000 (Killbuck Disposal SWIW # 4)

North Star Oilfield Services 2761 Saltsprings Rd Youngstown, Ohio 44509 330-292-2723 Permit # 34099231270000 (North Star SWIW # 10)

- 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:
 - a. 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.
 - d. 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;
 - e. A description of the method or methods by which you or any third party recyclers recycled such Gas Extraction Wastewater; and
 - f. 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.
 - 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.

See objections set forth in Appendix A. While Atlas is prepared to cooperate with EPA and in good faith respond to reasonable requests for providing information on a periodic basis concerning Gas Extraction Wastewater management activities, a reasonable time must be provided following the close of each reporting period to allow for the collection, review, and collation of the required data. Atlas believes that a period of no less than 60 days following a calendar quarter is required for collection and reporting of the type of data referenced in Request No. 5. Moreover, Atlas would urge that EPA coordinate its reporting requests with the reporting programs and protocols already in place as established by PaDEP, in order to avoid duplication and undue burdens.

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.

Notwithstanding the objections set forth in Appendix A, for purposes of this response, Atlas is identifying incidents that have occurred at the Atlas Marcellus Shale Wells sites listed in **Exhibit**

<u>1</u> that involved the spill or release of hazardous substances or fluids beyond containment. A list of such incidents is provided in <u>Exhibit 6</u>, which briefly describes the location of the incident, the material involved, whether land, surface water, groundwater or air was impacted, and the corrective measures taken. Because of the extremely short period provided for response to this Information Request, it was not possible to check the accuracy and completeness of the information in the table provided in <u>Exhibit 6</u>, and Atlas reserves the right to supplement, revise, and correct such information. The inclusion of an incident in this listing should not be interpreted to indicate occurrence of a release of a reportable quantity (as that term is defined under CERCLA, the CWA, or other environmental laws), or the occurrence of any point source discharge of pollutants to waters of the United States. As a general matter, the quantities of material involved were small, the incident was expeditiously corrected, and discharges to waters of the United States were not evidenced.

APPENDIX A

Objections

General Objection No. 1: Atlas objects to the EPA Information Request to the extent that it exceeds the authority granted to the U.S. Environmental Protection Agency under Section 104(e) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. §9604(e); Section 308 of the Federal Clean Water Act ("CWA"), 33 U.S.C. §1318;, and Section 3007(a) of the Resource Conservation and Recovery Act (""RCRA"), 42 U.S.C. §6927(a).

As provided in Section 104(e)(1) of CERCLA, 42 U.S.C. §9604(e)(1), the "authority of this subsection [Section 104(e)] may be exercised *only* for the purposes of determining the need for response, or choosing or taking any response action under this subchapter, or otherwise enforcing the provisions of this subchapter." Since Section 104(e) may only be invoked for these purposes, a necessary predicate for the invocation of Section 104(e) information request authority is that there be a release or threatened release of hazardous substances,² or pollutants or contaminants that present an imminent and substantial danger to public health or welfare, subject to CERCLA enforcement authority. EPA's broadside information request, which purports to seek information concerning all "Wells that you own or operate in EPA Region III" (irrespective of whether there as been any release or threatened release of hazardous substances, or of pollutants or contaminants that present an imminent and substantial danger, at such facilities), exceeds the agency's CERCLA Section 104(e) authority. Moreover, the "subchapter" referred to in §104(e)(1) is Subchapter 1 of 42 U.S.C. Chapter 103, comprising 42 U.S.C. §§9601-9628, relating to the response to releases and threatened releases. Section 104(e) does not authorize use of the information request procedures contained in Section 104(e)(2) for other purposes, such as investigating potential compliance with other federal, state or local environmental laws or regulations.

Section 308 of the CWA only authorizes a request for certain information directed to the "owner or operator of *any point source*" 33 U.S.C. §1318(a)(A) (emphasis added). The EPA Information Request does not contain any claim or evidence that the Wells owned or operated by Atlas are a "point source" subject to regulation under the CWA. It is specifically noted that, with limited exceptions (none of which Atlas believes are applicable here), Section 402(l)(2) exempts from regulation under the CWA discharges of stormwater from oil and gas exploration, production, processing, or treatment operations or transmission facilities. Absent evidence that specific Well facilities are point sources within the meaning of the CWA, Section 308 of the CWA does not authorize the EPA Information Request.

Section 3007 of RCRA only authorizes a request for information directed to a person "who generates, stores, treats, transports, disposes of, or ... handles ... hazardous waste" for purposes

² It should be noted that the term "hazardous substance" is defined under CERCLA to exclude petroleum, including crude oil and any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance under 42 U.S.C. §9601(15)(A)-(F), and to all natural gas and natural gas liquids. 42 U.S.C. §9601(14).

of developing or assisting in the development of a regulation or enforcing the provisions of 42 U.S.C. Ch. 82 (§§6901-6992k). 42 U.S.C. §6927(a) (emphasis added). As part of the Beville Amendments to RCRA, Section 3001(b)(2)(A) provides that "drilling fluids, produced waters, and other wastes associated with the exploration, development, or production of crude oil or natural gas ... shall be subject only to existing State and Federal regulatory programs in lieu of [regulation under Subch. C of RCRA]" until certain findings are made and regulations are adopted. EPA has reexamined this exemption and concluded that waste produced in connection with natural gas exploration, development and production should continue to be exempt from regulation as hazards were under RCRA. 53 Fed. Reg. 25,226 (July 6, 1988). To the extent that EPA's request seeks information regarding waste that is not subject to regulation as a hazardous waste under RCRA, RCRA §3007 does not authorize the EPA Information Request.

<u>General Objection No. 2</u>: Atlas objects to the EPA Information Request to the extent that it seeks information not relevant to the purposes stated in the U.S. EPA's letter dated May 12, 2011, CERCLA Section 104(e), CWA Section 308 and RCRA Section 3007.

General Objection No. 3: Atlas objects to the EPA Information Request as having been improperly addressed and served. EPA addressed the Information Request to Atlas at the following address: 1550 Coraopolis Heights Road, Suite 300, Moon Township, PA 15108. By letter addressed to EPA dated March 2, 2011, from Atlas's counsel, R. Timothy Weston of K&L Gates LLP, EPA was advised in writing that effective February 17, 2011, Atlas Energy Inc. was acquired by and merged into an indirect wholly-owned subsidiary of Chevron Corporation; but that Atlas Resources, LLC was not acquired by Chevron, and that all future correspondence relating to Atlas Resources, LLC should be directed as follows:

Atlas Resources, LLC Atlas Energy, L.P. Attn: Lisa Washington, Chief Legal Officer 1845 Walnut Street, 10th Floor Philadelphia, PA 19103

As a result of EPA's failure to properly address and timely deliver the EPA Information Request to Atlas, Atlas has been severely constrained in its ability to respond within the incredibly short timeframe available from the date of receipt of EPA's letter and the May 25, 2011 deadline.

General Objection No. 4: Atlas objects to the EPA Information Request as unreasonable to the extent that it purports to establish an unreasonably short timeframe for response. Had the EPA Information Request been properly addressed and delivered, it would have provided at best 9 business days between receipt and the specified response date of May 25, 2011. As noted in General Objection No. 3, that timeframe was further constrained by EPA's failure to properly address and timely deliver the Information Request to Atlas at Atlas's offices. The Information Request purports to demand a series of compilations of data, covering hundreds of Wells, in most cases in a format that such data is not kept in the ordinary course. Further, the Information Request purports to demand the instantaneous, complete and accurate compilation of data "to present," where much of such data is not available on an instantaneous or real time basis, but must be compiled from transport tickets, invoices, and other reports from field operations and

contractors that in the ordinary course would be expected to be collected, collated and compiled over some number of weeks.

<u>General Objection No. 5</u>: Atlas objects to the EPA Information Request as overly broad, unreasonable in scope, and unduly burdensome.

Objection to Request No. 1: In addition to the General Objections set forth above, Atlas objects to Request No. 1 to the extent that it incorporates an overly-broad definition of "Well" as encompassing "any well owned or operated by you and used for or related to natural gas production in EPA Region III." Such vague and overly-broad definition could include literally thousands of natural gas exploration and production wells that have nothing to do with the purported purpose of the Information Request -e.g., that have nothing to do with "Information on Marcellus Shale Flowback Water." Atlas acknowledges, and has relied upon, an oral clarification received from EPA's counsel that the term Well is to be interpreted as limited to Wells that have been permitted by a state agency for the exploration and production of natural gas from the Marcellus Shale formation.

Objection to Request Nos. 3.f and No. 3.g: In addition to the General Objections set forth above, Atlas objects to Requests No. 3.f and 3.g because they contain an undefined and ambiguous term, "other land-based unit."

Objection to Request No. 4: In addition to the General Objections set forth above, Atlas objects to Request No. 4 to the extent that it requests information regarding future plans and actions. EPA's information request authorities under CERCLA Section 104(e), CWA Section 308, and RCRA Section 3007 are, by their language, limited to past or current conditions or activities, and do not authorize a request for information with respect to potential future activities or plans.

Objection to Request No. 5: In addition to the General Objections set forth above, Atlas objects to Request No. 5 as vague, unreasonable and unduly burdensome as stated. First, the request fails to define the term "quarter" and what the start and end dates are of a quarter. To the extent that EPA is intending to refer to calendar quarters, then it is impossible to comply with Request No. 5 as stated, in that the request would appear to require submission of data regarding wastewater management in the calendar quarter as of the first day after the end of the quarter (*i.e.*, that the data for April-June 2011 be submitted on July 1, 2011), providing no time for the collection, verification, and collation of that information in a form that is responsive to EPA's request. Every other governmental reporting requirement of this type is framed with an appropriate timeframe following the end of the covered reporting period in which to collect and collate the data into reportable form; and the failure by EPA to provide such a reasonable timeframe is arbitrary, capricious and unreasonable.

Objection to Request No. 6: In addition to the General Objections set forth above, Atlas objects to Request No. 6 as vague, overbroad in scope, unauthorized by law, and unduly burdensome. The request uses a series of undefined and ambiguous terms, such as "discharge", "release", "any substances", and "all media." Literally written, it might be read to require the disclosure of the release of anything (*e.g.*, fresh water, stormwater runoff), anywhere (*e.g.*, steam and water evaporation), for the last five years. In referring to "any substances," Request No. 6 grossly exceeds the authority of EPA under CERCLA, the CWA and RCRA, which respectively refer

only to hazardous substances, pollutants, and hazardous waste. As such, Request No. 6 is beyond the scope of EPA's authority to seek information related to the actual and/or threatened release of hazardous substances or the release of contaminants or pollutants that may pose an imminent hazard, information related to point sources, or information related to hazardous waste activities.

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted on pages 1 through 11 of the attached Response to EPA Information Request Dated May 12, 2011 Concerning Marcellus Shale Flowback Water, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete to the extent that such information is available to Atlas Resources, LLC as of the date of this Response.

For Atlas Resources, LLC

Jeffrey C. Simmons

Executive Vice President, Operations

Atlas Resources, LLC

Date Signed: May 25, 2011

Atlas Exhibit 1 - reducted

Well#	Well Name	State#	State	State Name	County
23707	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
23649	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
23704	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
23938	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
25901	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37125
22971	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
23142	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23363	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22536	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22666	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24403	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24405	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
22056	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22058	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22063	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23361	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23544	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
24048	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
25370	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
23694	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23246	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23387	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23937	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
24074	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24301	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
23676	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
23675	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22705	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22777	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22974	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22785	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
25037	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
22701	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
21729	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24075	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24157	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
24302	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
25213	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37129
25583	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
25584	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
24079	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
23982	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
22831	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37051
21561	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
26018	XXX-REDACTED-XXX	37	PA	PENNSYLVANIA	37059
20010					

County Name	Township	Township Name	Drilling Status	Formation
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712501	AMWELL	FRACED	MARCELLUS - HORIZONTAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705106	GERMAN	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705910	MONONGAHELA	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705910	MONONGAHELA	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705910	MONONGAHELA	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705919	GREENE	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712907	SALEM	SHUT-IN	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - HORIZONTAL
FAYETTE	3705106	GERMAN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705103	DUNBAR	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705919	GREENE	PRODUCING	MARCELLUS - VERTICAL
	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL

Operator# API Permit	Ist Prod date	Latitude	Longitude	Company#	Partnership#
0 37129274880000	20080718	40.2493900	-79.745090	926	100941
0 37129271690000	20080121	40.2336100	-79.757060	926	100942
0 37129272410000	20080616	40.2462300	-79.748270	926	100941
0 37129280120000	20100330	40.2171400	-79.703320	926	100938
0 37-125-23950	0			926	100938
0 37129270890000	20080113	40.2476900	-79.760930	926	100942
0 37059243630000	20080515	39.9374500	-79.962340	926	100942
0 37059244690000	20080822	39.8793000	-79.984090	926	100941
0 37059249370000	20090412	39.8834600	-79.982240	926	100940
0 37051236070000	20070729	39.7997200	-79.868580	926	100944
0 37051242720000	20100310	39.8271760	-79.910368	926	100938
0 37051242090000	20090806	39.7997300	-79.891570	926	100939
0 37059243380000	20071209	39.9125800	-79.962070	926	100944
0 37059243530000	20080413	39.9109900	-79.958720	926	100942
0 37059243420000	20080313	39.9034900	-79.960400	926	100942
0 37059244820000	20080519	39.9097600	-79.968760	926	100942
0 37059244830000	20080815	39.9023300	-79.955910	926	100941
0 37059248020000	20081115	39.9242700	-79.967150	926	100941
0 37051241900000	20090720	39.9255700	-79.859250	926	100939
0 37059246860000	20090110	39.9332300	-79.968990	926	100941
0 37059245840200	20080502	39.8692100	-79.985180	926	100942
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0 37129272790000	20080606	40.2008600	-79.730420	926	100941
0 37051239770000	20080721	40.1203100	-79.802220	926	100941
0 37051239830000	20090508	40.1235100	-79.805250	926	100940
0 37059248300000	20081215	39.9058800	-79.996600	926	100940
0 37059248290000	20081227	39.9064600	-79.990160	926	100941
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0 37059244760000	20090214	39.8421900	-79.975860	926	100941
0 37059246120000	20080622	39.8371900	-79.971220	926	100941
0 37059252440000	20101002	39.8300500	-80.007800	926	100938
0 37059244240000	20080617	39.8570100	-79.986970	926	100941
0 37051241890000	20091107	40.0847500	-79.812130	926	100939
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0 37051240800000	20090423	39.9134000	-79.860080	926	100940
0 37051239680000	20080704	39.9308700	-79.872950	926	100941
0 37051242200000	20100528	40.0109660	-79.632057	926	100938
0 37059243350000	20071026	39.7252800	-80.011030	926	100944
0 37059253850000	20101006	39.8188370	-79.976685	926	100938
0 37051241870000	20090712	39.9887300	-79.854150	926	100939

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22794	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23432	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23614	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25857	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24893	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24894	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24860	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24861	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24862	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
25005	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24863	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23300	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23371	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23221	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23223	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23225	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23226	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23228	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24857	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
25119	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
25166	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24690	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24691	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23942	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23943	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23944	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25079	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
22905	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23639	FAIRBANK ROD & GUN CLUB #3	37 PA	PENNSYLVANIA	37051
23642	FAIRBANK ROD & GUN CLUN #6	37 PA	PENNSYLVANIA	37051
25267	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26229	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25870	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25915	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
21947	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
21956	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25727	GAME LANDS #2	37 PA	PENNSYLVANIA	37059
25726	GAME LANDS UT #1	37 PA	PENNSYLVANIA	37059
24046	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25145	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
22970	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
22812	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24496	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
30304	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37031
	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23362	AAA-NEDACTED-AAA			
23362 23617	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059

GREENE	3705910	MONONGAHELA	FRACED	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705910	MONONGAHELA	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - HORIZONTAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - HORIZONTAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	SHUT-IN	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - HORIZONTAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	SHUT-IN	MARCELLUS - VERTICAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - HORIZONTAL
WASHINGTON	3712512	CROSS CREEK	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712519	HOPEWELL	PRODUCING	MARCELLUS - VERTICAL
AYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
AYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712513	DEEMSTON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705111	MENALLEN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705111	MENALLEN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705103	DUNBAR	PRODUCING	MARCELLUS - HORIZONTAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712908	ROSTRAVER	FRACED	MARCELLUS - HORIZONTAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
AYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705910	MONONGAHELA	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	FRACED	MARCELLUS - VERTICAL
			2 4 7 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	- The same of the	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	PRODUCING PRODUCING	MARCELLUS - VERTICAL MARCELLUS - VERTICAL
WESTMORELAND CLARION	3712906 3703108	KNOX	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	The second secon	The state of the s	The state of the s

	0 37059252740000	0	39.8251840	-79.954947	926	100938
	0 37059249030000	20090717	39.9385000	-79.967040	926	100939
	0 37059251370000	20090710	39.9453300	-79.980710	926	100939
	0 37059253340000	20100311	39.8308213	-79.983257	926	100938
	0 37125233920000	20100329	40.2366000	-80.412180	926	100940
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- 1	0 37125233930000	20090502	40.2341600	-80.417890	926	100940
	0 37125233850000	20091210	40.2292200	-80.416390	926	100940
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	0 37125233950000	20091115	40.2365700	-80.411930	926	100940
7333	0 37125233860000	20100312	40.2380300	-80.405990	926	100940
	0 37125231610000	20091112	40.2804700	-80.361400	926	100940
	0 37125235370000	20091203	40.2811300	-80.366160	926	100940
	0 37125229570000	20090306	40.2721300	-80.384390	926	100941
	0 37125234290000	20090305	40.2689700	-80.390660	926	100940
	0 37125230700000	20090404	40.2703900	-80.398370	926	100940
	0 37125229600000	20090306	40.2747300	-80.391490	926	100941
	0 37125229610000	20090328	40.2700600	-80.402280	926	100941
	0 37125233900000	20091115	40.2366300	-80.412080	926	100939
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	0 37125235150000	20091111	40.2691300	-80.390700	926	100940
	0 37051241520000	20090809	39.9912600	-79.801560	926	100939
	0 37051241530000	20091123	39.9910000	-79.807310	926	100938
	0 37129272800000	20080513	40.1943000	-79.720790	926	100942
	0 37129272810000	20080428	40.1927400	-79.716960	926	100942
	0 37129272820000	20080505	40.1923000	-79.712980	926	100942
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	0 37051242380000	20100309	39.9402100	-79.835760	926	100938
	0 37051242390000	20100118	39.9352900	-79.842090	926	100938
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	0 37051243750000	20110114	+39.966953	-79.691506	926	100918
- 10	0 37-051-24262	20100123	39.836806	-79.876293	926	100938
	0 37129282950000	0	40.1547357	-79.749709	926	100938
	0 37129268830000	20080327	40.2245000	-79.713310	926	100942
	0 37129268820000	20080405	40.2224400	-79.710370	926	100942
AP.	0 37059253380000	20100608	39.7691400	-80.005469	926	100938
	0 37059253370000	20100706	39.7719950	-80.005850	926	100938
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	0 37059244420000	20080527	39.8506800	-79.963280	926	100942
	0 37059253300000	0	39.9090389	-79.948647	926	100938
	0 37129275090000	20081006	40.2265300	-79.693820	926	100941
	0 37031248580000	20081112	41.3043968	-79.349110	926	100941
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	0 37059251600000	20090824	39.8816300	-80.004220	926	100939
			The second secon			

25282	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
25528	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
23672	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
21969	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25060	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25884	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23338	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23339	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24492	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24493	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24494	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24035	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24695	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
22968	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23647	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
30418	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37063
22460	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
22462	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24360	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24310	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24311	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24312	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24994	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24308	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25925	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23526	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23240	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23241	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24972	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24973	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24974	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23078	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25106	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25107	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23865	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23925	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25674	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23106	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24043	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24254	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25616	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25605	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24937	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24077	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23652	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23653	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24224	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
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	0 37125238060000	20100517	40.0160890	-80.073650	926	100938
	0 37125237750000	20100111	40.0312900	-80.068460	926	100939
	0 37059252840000	20091005	39.9191400	-79.977470	926	100939
	0 37059240360000	20070326	39.9089800	-79.952140	926	100945
	0 37059253410000	20100615	39.9137440	-79.952376	926	100938
	0 37059253730000	0	39.8151423	-80.038540	926	100938
	0 37059244730000	20081027	39.7364400	-80.008630	926	100941
	0 37059244840000	20080504	39.7324700	-80.013420	926	100942
	0 37051240530000	20090308	39.8453800	-79.886240	926	100940
	0 37051240540000	20090427	39.8456500	-79.881150	926	100940
	0 37051240550000	20090511	39.8497000	-79.886800	926	100940
	0 37051241550000	20090613	40.0426800	-79.812490	926	100940
	0 37051241540000	20090619	40.0388900	-79.811260	926	100940
	0 37129269580000	20070819	40.2460200	-79.756160	926	100944
	0 37129272000000	20080208	40.2423700	-79.754800	926	100942
	0 37063363740000	20101022	40.4337030	-79.076238	926	100938
	0 37129268360000	20080226	40.2113000	-79.712090	926	100942
	0 37129268380000	20080324	40.2095100	-79.708900	926	100942
	0 37129275030000	20081013	40.2113700	-79.703070	926	100941
	0 37051242350000	20100522	39.9643968	-79.823903	926	100938
	0 37051242340000	20100620	39.9643502	-79.823843	926	100938
	0 37051242330000	20100523	39.9643700	-79.823880	926	100938
	0 37051242280000	20091018	39.9686900	-79.834220	926	100939
	0 37051242270000	20091122	39.9686900	-79.834220	926	100939
	0 37-129-28252	0			926	100938
	0 37059248510000	20090112	39.9408100	-79.955980	926	100941
	0 37059252250000	20100124	39.7750479	-80.000480	926	100938
- j	0 37059252260000	20091016	39.7740100	-79.996730	926	100939
	0 37059250320000	20090329	39.7385700	-79.963630	926	100940
	0 37059250310000	20090322	39.7333200	-79.966060	926	100940
	0 37059252450000	20100609	39.7326100	-79.957800	926	100938
	0 37051241950000	20090727	39.9044700	-79.821470	926	100939
	0 37129279640000	20100301	40.3844360	-79.501041	926	100938
	0 37129279420000	20100304	40.3844900	-79.501040	926	100938
	0 37059249050000	20090215	39.9140000	-79.937460	926	100940
	0 37051239610000	20080630	39.9414700	-79.863920	926	100941
	0 37051242580000	20100219	39.8483800	-79.878790	926	100939
	0 37051237180000	20080222	39.8636600	-79.830350	926	100942
	0 37059251590000	20100322	39.8602650	-79.977291	926	100938
250	0 37051242260000	20090928	39.9193800	-79.846800	926	100939
	0 37051242250000	20090924	39.9193839	-79.846774	926	100939
	0 37059251850000	20100623	39.8232840	-79.974531	926	100938
	0 37051242100000	20090816	39.7940000	-79.843760	926	100939
	0 37051240580000	20090621	39.9225300	-79.885760	926	100940
	0 37129275060000	20081003	40.2332500	-79.732910	926	100941
	0 37129275070000	20080926	40.2386900	-79.733550	926	100941
	0 37129274320000	20080808	40.1881200	-79.736830	926	100941

24189	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24838	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
20438	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23391	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25758	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24155	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
22699	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
30092	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37083
23934	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23122	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23273	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23274	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23275	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23276	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23306	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23308	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23309	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23310	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25650	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25651	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
21795	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
30425	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37063
25769	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
21543	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25853	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24045	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
22816	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24040	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23979	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24036	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
21230	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
21231	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23887	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24173	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
22827	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23382	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23383	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23384	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24174	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24175	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24083	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24834	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
30424	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37063
25742	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37063
22132	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24824	AAA-REDACTED-AAA	3/ FA	LTIAIADIFAUIAIV	3/031

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WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712908	ROSTRAVER	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
MCKEAN	3708306	CORYDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705103	DUNBAR	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
INDIANA	3706322	WEST WHEATFIELD	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705904	DUNKARD	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705103	DUNBAR	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705106	GERMAN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705109	LOWER TYRONE	FRACED	MARCELLUS - VERTICAL
INDIANA	3706322	WEST WHEATFIELD	PRODUCING	MARCELLUS - VERTICAL
INDIANA	3706322	WEST WHEATFIELD	PRODUCING	MARCELLUS - HORIZONTAL
GREENE	3705919	GREENE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705110	LUZERNE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL

	0 37129274970000	20081020	40.2279800	-79.704430	926	100941
	0 37051242060000	20090725	40.0079500	-79.805890	926	100939
	0 37051239900000	20080801	39.9985400	-79.807410	926	100941
	0 37059246200000	20080702	39.7218600	-79.961950	926	100942
	0 37129281130000	20100316	40.1287301	-79.778033	926	100938
	0 37059247010000	20080902	39.9340100	-80.029810	926	100941
	0 37129268700000	20080403	40.2279300	-79.712990	926	100942
	0 37-083-53293	20080110			926	100944
130	0 37129272770000	20080530	40.2026200	-79.741550	926	100941
	0 37051237270000	20080403	39.9719600	-79.654790	926	100942
-	0 37059243840000	20071126	39.7264200	-79.990620	926	100944
	0 37059243850000	20070927	39.7243500	-79.987790	926	100944
	0 37059243860000	20071012	39.7259300	-79.997460	926	100944
	0 37-059-24387	20080409	39.723850	-79.994620	926	100942
	0 37059244580000	20071114	39.7328600	-80.002450	926	100944
	0 37059244920000	20080201	39.7271500	-79.981280	926	100942
100	0 37059244800000	20080303	39.7219800	-79.981310	926	100942
	0 37059246420000	20080523	39.7337200	-79.987650	926	100942
	0 37129279880000	20090913	40.1849600	-79.726740	926	100939
	0 37129279890000	20091224	40.1792500	-79.722950	926	100938
	0 37059249040000	20090517	39.8700000	-79.951710	926	100940
	0 37063366270000	20100914	40.4335240	-79.070870	926	100938
	0 37-051-24266	20100607			926	100938
	0 37059243230000	20070913	39.7268000	-80.015650	926	100944
	0 37059253620000	20100416	39.9289940	-80.020496	926	100938
	0 37059248280000	20080919	39.9270000	-80.009620	926	100941
	0 37059248260000	20080929	39.9334400	-80.004270	926	100941
	0 37059248270000	20090131	39.9293900	-80.005040	926	100941
	0 37051239840000	20081122	40.0959100	-79.806980	926	100941
	0 37051241940000	20090801	40.0914600	-79.811360	926	100939
	0 37051234520100	20070302	40.1155000	-79.795960	926	100945
	0 37051235730000	20080107	40.1157200	-79.799610	926	100942
- 10	0 37051239400000	20080728	40.1115700	-79.795510	926	100941
	0 37129273940000	20080711	40.1824400	-79.743020	926	100941
	0 37051237540000	20080327	40.0094480	-79.628728	926	100942
	0 37059245540000	20090221	39.8793000	-79.970320	926	100940
	0 37059246490000	20090418	39.8744800	-79.969960	926	100940
	0 37059251140000	20090607	39.8731500	-79.965420	926	100940
	0 37129275660000	20090404	40.1771100	-79.738000	926	100940
-	0 37129275670000	20090410	40.1800000	-79.738080	926	100940
	0 37051239600000	20080630	39.9162400	-79.868720	926	100941
	0 37051242520000	0	40.0707700	-79.628110	926	100941
	0 37063367370000	20100807	40.4454320	-79.077528	926	100938
	0 37-063-36738	20100807	40,4434320	-13.011320	926	100938
	0 37059242290000	20100803	30 9021200	-90 005140		100938
	STREET, STREET		39.8021200	-80.005140	926	
	0 37051241250000	20090605	39.9732100	-79.992780	926	100940
	0 37051242310000	20090823	40.0825800	-79.834670	926	100939

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24823	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25026	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
21626	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23184	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
25235	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24295	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25304	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23700	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23741	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37125
24463	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23650	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24756	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24895	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25996	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25880	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25881	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
22850	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23165	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23166	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25680	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25681	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25682	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26016	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26017	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26474	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26475	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26476	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
22423	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23467	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25759	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
25760	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
23852	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24557	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24152	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24153	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24154	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
22847	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
25887	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23981	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24327	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26441	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26442	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
26478	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24430	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
20773		57 17		0,001
20773 25389	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129

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FAYETTE	3705110	LUZERNE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705122	WASHINGTON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712529	ROBINSON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
WASHINGTON	3712513	DEEMSTON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - HORIZONTAI
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705104	FRANKLIN	FRACED	MARCELLUS - VERTICAL
FAYETTE	3705124	BROWNSVILLE	FRACED	MARCELLUS - VERTICAL
FAYETTE	3705124	BROWNSVILLE	FRACED	MARCELLUS - HORIZONTAI
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
AYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	TOTAL DEPTH	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705115	REDSTONE	SPUD	MARCELLUS - HORIZONTA
WESTMORELAND	3712907	SALEM	SHUT-IN	MARCELLUS - VERTICAL
WESTMORELAND	3712908	ROSTRAVER	FRACED	MARCELLUS - VERTICAL
WESTMORELAND	3712908	ROSTRAVER	FRACED	MARCELLUS - HORIZONTA
WESTMORELAND	3712908	ROSTRAVER	FRACED	MARCELLUS - HORIZONTA
FAYETTE	3705127	HENRY CLAY	SHUT-IN	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705104	FRANKLIN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705115	REDSTONE	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705106	GERMAN	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705111	MENALLEN	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705111	MENALLEN	SPUD	MARCELLUS - HORIZONTA
FAYETTE	3705111	MENALLEN	SPUD	MARCELLUS - HORIZONTA
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712906	SEWICKLEY	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL

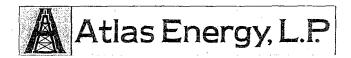
	0 37051241240000	20090814	39.9760300	-79.997020	926	100939
7	0 37-051-24249	20100331	40.085971	-79.836713	926	100938
	0 37051234510000	20070109	39.7694900	-79.802590	926	100945
	0 37125228160000	20100512	40.4503800	-80.340800	926	100941
	0 37051242080000	20090913	39.7690400	-79.808350	926	100939
137	0 37059253140000	20091221	39.8978100	-80.029120	926	100938
	0 37129280840000	20100322	40.2844428	-79.702157	926	100938
3 4 5	0 37129274310000	20080627	40.2378100	-79.747230	926	100941
	0 37125237110000	20100111	40.0214300	-80.033080	926	100939
	0 37129279910000	20101223	40.2789100	-79.759870	926	100939
	0 37129273160000	20080421	40.2377900	-79.757810	926	100942
	0 37129279820000	20100126	40.2297100	-79.735340	926	100939
	0 37129279830000	20100127	40.2297100	-79.735380	926	100939
1000	0 37-051-24314	0		The state of the s	926	100938
	0 37051242790000	0	40.0118911	-79.880282	926	100938
E-Joyna	0 37051242800000	0	40.0118582	-79.880296	926	100938
	0 37129273310000	20080606	40.1713300	-79.757300	926	100941
12 48	0 37051236870000	20071216	39.9339900	-79.863800	926	100942
	0 37051236880000	20080317	39.9333900	-79.859580	926	100942
	0 37051243440000	0	+39.954317	-79.849428	926	100918
	0 37051243430000	0	+39.954358	-79.849431	926	100918
1345	0 37051243420000	0	+39.954400	-79.849431	926	100918
	0 37051243410000	0	+39.954442	-79.849433	926	100918
	0 37051243400000	0	+39.954275	-79.849428	926	100918
	0 37051243880000	0	+39.954483	-79.849433	926	100918
	0 37051243890000	0	+39.954236	-79.849425	926	100918
	0 37051243900000	0	+39.954194	-79.849425	926	100918
	0 37129275080000	20090328	40.3696400	-79.497200	926	100940
	0 37129281290000	0	40.1373221	-79.763624	926	100938
	0 37129281300000	0	40.1373220	-79.763679	926	100938
	0 37129281310000	0	40.1373221	-79.763596	926	100938
Quality.	0 37051240980000	20090526	39.7227300	-79.507130	926	100940
	0 37129280080000	20091128	40.2159900	-79.709330	926	100938
- A	0 37059246930000	20080815	39.9415600	-80.030140	926	100941
	0 37059246940000	20080831	39.9417100	-80.025370	926	100941
	0 37059251620000	20100209	39.9445340	-80.031422	926	100938
	0 37059243940000	20080531	39.9064000	-79.945500	926	100942
	0 37051242840000	20100920	40.0008287	-79.701094	926	100938
	0 37051239260000	20080609	39.9586000	-79.834510	926	100941
	0 37051240090000	20081106	39.9303300	-79.851840	926	100941
	0 37051244160000	0			926	100918
1	0 37051244170000	0	189-7-	190	926	100918
	0 37051244180000	0			926	100918
	0 37059251610000	20091227	39.8684900	-79.993180	926	100938
	0 37051234640000	20070630	39.7815100	-79.860390	926	100944
6-3-	0 37-129-28123	20100930	- 1	10 m	926	100938
	0 37059251550000	20090719	39.9280000	-79.962550	926	100939

23618	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23359	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23528	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23530	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
22270	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
23673	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24739	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
24740	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37059
26048	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24410	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
23267	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
25247	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
24177	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37129
24507	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051
22153	XXX-REDACTED-XXX	37 PA	PENNSYLVANIA	37051

GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705903	CUMBERLAND	PRODUCING	MARCELLUS - VERTICAL
GREENE	3705909	JEFFERSON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - HORIZONTAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705112	NICHOLSON	PRODUCING	MARCELLUS - VERTICAL
WESTMORELAND	3712905	SOUTH HUNTINGDON	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705113	NORTH UNION	PRODUCING	MARCELLUS - VERTICAL
FAYETTE	3705119	SPRINGHILL	PRODUCING	MARCELLUS - VERTICAL

0 37059245580000	20080503	39.8947900	-80.000300	926	100942
0 37059248200000	20090316	39.8912400	-80.005630	926	100940
0 37059246440000	20090227	39.9098800	-80.015230	926	100940
0 37059247080000	20090314	39.9264600	-79.994640	926	100940
0 37059247090000	20090405	39.9302200	-79.990330	926	100940
0 37059246450000	20090307	39.9076600	-80.012410	926	100940
0 37059250350000	20090614	39.9193500	-80.007850	926	100940
0 37059249980000	20090223	39.9190700	-80.017660	926	100940
0 3712928264	20100731	40.2239910	-79.750914	926	100938
0 37051242470000	20100208	39.7690700	-79.890470	926	100938
0 37051239890000	20080827	39.8462900	-79.857840	926	100941
0 37051242160000	20090906	39.8393500	-79.861160	926	100939
0 37129275680000	20090629	40.1842200	-79.736580	926	100940
0 37051242000000	20090803	39.9536400	-79.686290	926	100939
0 37051240520000	20090323	39.7478200	-79.878390	926	100940

Exhibit 2A



March 11, 2011

Dear Sir/Madam,

Enclosed you will find Atlas Resources, LLC's 26R reports for 2010. Thank you for the granted submittal extension and also for agreeing upon the format used. Production brine and flow back analysis have previously been provided to the DEP and are still valid for the purpose of this report. For Clarion County brine please reference the Fayette County brine analysis. For Indiana County brine and flow back water please reference Westmoreland County brine and flow back analysis. For the counties of Washington, Westmoreland, Fayette and Greene please reference the appropriate analysis for waste generated in that county. If you have any questions or problems, please contact me at (412) 865-3167. Thank you.

Sincerely,

Christine Walton

EHS Director

Atlas Energy, LP

PO Box 611

Coraopolis, PA 15108

Exhibit 2B



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

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

This form must be fully and accurately typed or legibly printed in the spaces pro each attached sheet as Form 26R, refe	vided. If additional sp	pace is necessary, iden	tify Date Rec	P USE ONLY eived & General Notes
prepared. The date on attached sheets no				
General Reference 287,54				
Date Prepared/Revised				
SECTION A. CL	IENT (GENERATO	R OF THE WASTE) II	VFORMATIO	V
Company Name				
Atlas Resources, LLC				
If a Subsidiary, Name of Parent Company			EF	A Generator ID#
Company Mailing Address Line 1 800 Mountain View Drive	. 0	Company Mailing Addre	ss Line 2	
Company Address Last Line - City	State	Zip+4	Phone	Ext
Smithfield	PA	15478+8902	724-564-23	
Company Contact Last Name Butchko	First Name	MI	Su	iffix
Municipality	Jenny	County		
Georges		Fayette		
	ntact Email Address			
	tchko@atlasenergy.c			7.11
Is the waste generated at the Company Ma If 'No', describe location of waste generat				Yes No
in No, describe rocadon of waste general	on and Storage. Dee	attacilinent		
Municipality Georges	County Fayet	te	State	PA
SE	CTION B. WAST	E DESCRIPTION	The Party of the P	
Residual V		Autour - C	Unit of	Time
Waste Code Code Descr	риол	Amount	Measure ☐ cu yd ☐ ga	Frame
802 Brine		See attachment	☐ lb ☐ to	
	1. GENERAL P	1.74	777	-3.1 2 2 -57
a. pH Range n/a		(based on analyses or k	nowledge) .	(X) 44
b. Physical State	Liquid Waste (EPA Me			4. 2
· · · · · · · · · · · · · · · · · · ·	Solid (EPA Method 90 Gas (ambient tempera			
c. Physical Appearance Col		O'do	or None	× 4
	0.004	d Phases of Separation		
	scribe each phase of s			
	Washing Committee and Committe	AND DOWN ALL WHOLP IN	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	2. CHEMICAL ANALY		265-	7 W 7 W 7
 The results of a detailed chemical instructions, is attached. 	37 St. 14. 1 12. 100.		rithe L	Yes No
b. A detailed description of the waste			(10)	Yes No
 The quality assurance/quality cont attached. 	roi procedures emplo	yed by the laboratory(i	es) is - : L	Yes No
d. The results of the hazardous waste				Yes No
e. If applicable, a detailed explanation fieu of actual chemical analysis is:		enerator knowledge in	Yes] No : [] N/A

	de l'Origination de la company	3 PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
đ.	A detailed description of t the waste, as specified in	the manufacturing and/or pollution control processes producing 🛛 Yes 🔲 No the instructions, is attached. 🛪 See Attachment
ь.	A schematic of the manufi 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.
		TION C. MANAGEMENT OF RESIDUAL WAS TE 1. Processing or Disposal Facility (ies)
a.		modate the identification of two facilities. Attach additional sheets if necessary. er(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1	Advanced Waste Services 1001 Sampson Street
	Address Line 1 Address City State ZIP Municipality	New Castle PA 16101 City of New Castle County Lawrence
c.	Facility Contact Name Title Phone	Anthony Cialella General Manager 724-657-8777 Email Address avialella@advancedwasteservices.co
d.	7,74-7680	to processing or disposal facility in the previous year. Cu yd gal lb ton (check one)
a.	Solid waste permit number WVR 000521948	r(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1 Address Line 1	AOP Clearwater LLC 168 AFR Drive
b.	Address Line 1	
	Address Line 1 Address Line 1 Address City State ZIP	168 AFR Drive Fairmont WV 26554
3 ,	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	Fairmont WV 26554 County Marion Bob Gerst State Manager
b.	Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped t 3167766 Has the waste been approve	Fairmont WV 26554 County Marion Bob Gerst State Manager 304-665-2461 Email Address bgerst@wvog'aop.com o processing or disposal facility in the previous year. Cuyd gal b ton (check one)

		3. PROCESS DESCRIPTION	4 & SCHEMATIC ATTA	CHMENTS		145.70
a.	A detailed description of t the waste, as specified in			esses producing	Yes No	>
b.	A schematic of the manufa as specified in the instruc		ontrol processes pro	ducing the waste,	Yes . No)
C.	If portions of the informati a confidentiality claim, as			on for Yes	.□ No ⊠ N/	A
	SEE	TION C MANAGEM	ENT OF RESID	JAL WASTE		
100		1. PROCESSING OR	DISPOSAL EAGILITY()	ES) II. FIELD III.		
The	area below (ad.) will accomm				if necessary.	
a.	Solid waste permit number 253723	r(s) for processing or dispo	osal facility being uti	lized:		
b.	Facility Name	Appalachian Waste S	Services, LLC			
	Address Line 1	195 Enterprise Lane				
	Address Line 1					
	Address City State ZIP	Connesville	PA	15425		-
y	Municipality	Masontown	County	Fayette		
C.	Facility Contact Name	George Milne				
	Title	Supervisor			0-000	
	Phone	7.24-583-2081	Email Address	georgem@shalle com	enbergerconstruction	
d.	Volume of waste shipped t 263004	o processing or disposal f	acility in the previou			
a.	Solid waste permit number 2038	(s) for processing or dispo	osal facility being uti	lized.		
b.	Facility Name	D & L Energy	"Parabeck #2	Injection Well'		
	Address Line 1	2761 Salt spring Rd	RT 6			
	Address Line 1		Rome,	OH 44085		
	Address City State ZIP	Youngstown	OH	44509		
	Municipality	City of Youngstown	County			
C.	Facility Contact Name	Kelly				
	Title	Land Dept.				
	Phone	330-792-9524	Email Address			
d.	Volume of waste shipped to 12180	processing or disposal fa	acility in the previous		A	
MON'S		2. BENE	FICIAL USE			
a.	Has the waste been approv	ed for beneficial use?			Yes No	
	If "Yes", list the general pe	rmit number or approval n	umber.			
b.	Volume of waste beneficial	ly used in the previous yea	ar.	n (check one)		
						_

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		33. BROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
a.		the manufacturing and/or pollution control processes producing Yes the instructions, is attached.	No
b.	A schematic of the manufa as specified in the instruc	acturing and/or pollution control processes producing the waste, Yes [No
C.		on submitted are confidential, the substantiation for Yes No X described in the instructions, is attached.	N/A
	QE6	HONG MANAGEMENT OF RESIDUAL WASTE	
		1. Processing or Disposau Each IIX(IES)	
The:	area below (ad.) will accomp	nodate the identification of two facilities. Attach additional sheets if necessary.	<u> Particilia</u>
а,		r(s) for processing or disposal facility being utilized.	
ъ.	Facility Name	PA Brine Trt- Franklin Plt	-
	Address Line 1	5148 US 322	_
	Address Line 1	0110 90 022	_
	Address City State ZIP	Franklin PA 16323	
	Municipality	Sandy creek County Venango	
C.	Facility Contact Name	Elton DeLong	
100	Title	Operations Manager	
	Phone	814-437-3593 Email Address sparky@pabrine.com	
d.	1130220	o processing or disposal facility in the previous year. cu yd gal lb ton (check one)	,,,
a.	Solid waste permit number SWIW #5 34-121-2-399	r(s) for processing or disposal facility being utilized. 5	
b.	Facility Name	Hunters	
	Address Line 1	P.O. Box 430	
	Address Line 1		
,-	Address City State ZIP	Reno OH 45773	
	Municipality	Jackson County Noble	
C.	Facility Contact Name	Kirk Trosclair	
	Title	Senior VP of Equipment	
	Phone	740-379-2940 X160 Email Address ktrosclairmagnumhunterresources	s.com
d.	278922	o processing or disposal facility in the previous year. Cu yd gal lb ton (check one)	
and the little		2 BÉNERICIAL USEU - DE CARA DE COMPANION DE COMPANION DE COMPANION DE COMPANION DE COMPANION DE COMPANION DE C	
	The state of the s		
geneen a.	Has the waste been approv	rèd for beneficial use?	No
a.	Has the waste been approv	red for beneficial use? Yes	No

2540-PM-BWM0347 Rev. 1/2011

		DEPROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS FEED TO THE TELESCOPE TO THE
a.		ne manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manuf as specified in the instruc	icturing and/or pollution control processes producing the waste, Yes No ions, is attached.
C.	If portions of the informat a confidentiality claim, as	on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	i de la SEC	TION C. MANAGEMENT OF RESIDUAL WAS TE
The :	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit numbe PA 0095273	(s) for processing or disposal facility being utilized.
b.	Facility Name	PA Brine Trt- Josephine Plt
	Address Line 1	P.O. Box 296
	Address Line 1	Bells Mill Rd
	Address City State ZIP	Josephine PA 15750
	Municipality	County
C.	Facility Contact Name	Elton DeLong
	Title	operations Manager
	Phone	814-437-3593 Email Address sparky@pabrine.com
d.	Volume of waste shipped to 18071802	processing or disposal facility in the previous year. Cuyd gai lb ton (check one)
а.	Solid waste permit number 748163	(s) for processing or disposal facility being utilized.
b.	Facility Name	Patriot
	Address Line 1	7716 Depot Rd Unit #1
	Address Line 1	
	Address City State ZIP	Lisbon • OH 44432
	Municipality	City of Warren County Trumbull
C.	Facility Contact Name	Jeff Faloba
	Title	CEO
	Phone	330-222-1274 Email Address jefffaloba@yahoo.com
d.	Volume of waste shipped t	processing or disposal facility in the previous year.
7	10710	cu yd 🛛 gal 🗌 lb 📗 ton (check one)
		LAST 2. BENEFICIA USE L. D. L.
a.	Has the waste been approv	ed for beneficial use? Yes No
		mit number or approval number.
b.	Volume of waste beneficial	y used in the previous year
_		

a.			UUCU.	J. UEC	CHIP, U	UNICE	SCHEN	IALICA	ALLA	CHME	N12	1	Charles Tell	110.511	1000		C TOTAL PARTY
-	A detailed description of the waste, as specified in	he mar the ins	ufact truction	uring ons, i	and/or s attac	pollumed.	tion c	ontrol	proce	esses	pro	ducir	ig		Yes		No
b.	A schematic of the manufa as specified in the instruct					contr	ol pro	cesses	s pro	ducing	g the	e was	te,		Yes		No
C.	If portions of the informati a confidentiality claim, as	on sub describ	mitted ed in	are the in	confide	ential, ions, i	the si s atta	ubstan ched.	tiatio	n for	Ĺ	Ye	s		No		N/A
	SEC	HON	Caler	лам	AGE	MEN	TIO F	RES	ini	ΙΔΙΔΙ	WA	STE		THE REAL PROPERTY.			
15 Dill		Street, all administrations	MITTER AND PROPERTY.	PULLSHEET SECTION	SING 0	BUREL OF SERVICE	on the street management of	Language and the same and the	COLUMN TOWNS ASSESSMENT	PRODUCTOR AND THE	A Print pro Prin		0.50				
The	area below (ad.) will accomm	odate	the id	entifi	cation	of two	facili	ties. A	ttach	addi	tion	al sh	eets i	f nec	essan	I.	William Printers
a.	Solid waste permit number PA 0091472	r(s) for	proce	ssing	or dis	posal	facilii	y bein	g util	ized.		040				-	
b.	Facility Name	Tu	nnelt	on Li	auids (Compa	any				_			_			_
	· Address Line 1		Tunnelton Liquids Company P.O. Box 667														
	Address Line 1									~~~							
	Address City State ZIP	CI	arion					PA	0			1621	14				
	Municipality	CI	arion	Вого	ugh			Count	/	Clar	rion						
C	Facility Contact Name	Pa	ula V	Volbo	rt								-				
	Title	Ac	count	tant													
	Phone	81	4-226	-501	6	E	Email	Addre	ss	pwo	lbor	t@us	scho	ice.n	et		
d.	Volume of waste shipped to 485562	o proce			isposa gal	facili	ty in t	he pre	vious] ton			heck	one)	- 1			
d, a.		☐ cu	yd	\boxtimes	gal		lb	Ĺ] ton			heck	one)		- 10		
	485562 Solid waste permit number	cu (s) for	yd proce	ssing	gal or dis	posal	lb	Ĺ] ton			heck	one)		P		
a.	485562 Solid waste permit number 101532	(s) for	yd proce eaver	ssing	gal or dis	posal	lb	Ĺ] ton			heck	one)		- 10		
a.	485562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1	(s) for W	yd proce eaven 66 Mi	ssing	gal or dis	posal	lb	Ĺ] ton			heck	one)		**		
a.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP	(s) for W	yd proce eaver	ssing	gal or dis	posal	lb facilit	y bein	tong util	ized.	(c	1505					
a.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	(s) for W	yd proce eaver 66 Mi	ssing	gal or dis	posal	lb facilit	y bein	tong util	ized.	(c						
a.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP	(s) for Work 38 Ce Ce	yd proce eaven 66 Mi ecil ecil c Med	ssing town llers	gal or dis Env. G Run R	posal	lb facilit	y bein	tong util	ized.	(c	1505					
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title	(s) for Work 38 Ce Ce Eri Fa	proce eaver 66 Mi cil c Mec cility I	ssing town llers	gal or dis Env. C Run R	posal Group	lb facilit	y being] ton	was	(c	1505 gton	57				
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name	(s) for Work 38 Ce Ce Eri Fa	yd proce eaven 66 Mi ecil ecil c Med	ssing town llers	gal or dis Env. C Run R	posal Group	lb facilit	y bein] ton	was	(c	1505 gton	57	ertov	vn.com)	
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	Ce Ce Eri Fa 72-	proce eaven 66 Mi cil c Mec cility I 4-746 ssing	ssing town llers duho Mana 4850	gal or dis Env. G Run R	posal Group d	lb facilit	PA County] tong util	was	shin	1505 gton	57	ertov	vn.com)	
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone	Ce Ce Eri Fa	proce eaven 66 Mi cil c Mec cility I 4-746 ssing	ssing town llers duho Mana 4850	gal or dis Env. G Run R	posal Group d	lb facilit	PA County] tong util	Was eme	(c	1505 gton	57 veave	ertov	vn.com)	
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	Ce Ce Eri Fa 72-	proce eaven 66 Mi cil c Mec cility I 4-746 ssing	town llers duho Mana 4850	gal or dis Env. G Run R	posal Group d	lb facilit	y being	tong utili	Was eme	(c	1505 gton no@w	57 veave	ertov	vn.com	evin reluci	TE SAME IT
a. b.	A85562 Solid waste permit number 101532 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality Facility Contact Name Title Phone Volume of waste shipped to	Ce Ce Eri Fa 72.	proce eaver 66 Mi cil c Mec cility I 4-746 ssing	ssing town llers duho Mana 4850 or di	gal or dis Env. C Run R	posal Group d	lb facilit	y being	tong utili	Was eme	(c	1505 gton no@w	57 veave		vn.com Yes		No
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		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS.									
a.		the manufacturing and/or pollution control processes producing Yes the instructions, is attached.	No								
b.	A schematic of the manu as specified in the instru		No								
C.		tion submitted are confidential, the substantiation for Yes No 🔯 s described in the instructions, is attached.	N/A								
	SEC	BIIONEC MANAGEMENTOERESIDUALWAS E	PAVAL								
	The state of the s	1. PROCESSING OR DISPOSAL PAGILITY (IES)									
The :		modate the identification of two facilities. Attach additional sheets if necessary.	- Starte								
а.		er(s) for processing or disposal facility being utilized.									
b.	Facility Name	West Virginia Oil Gathering	_								
	Address Line 1	157 Lower Eureka Rd									
	Address Line 1										
	Address City State ZIP	Saint Marys WV 26170t									
	Municipality	County Pleasant									
C.	Facility Contact Name	Bob Gerst									
	Title	State Manager									
	Phone	304-665-2461 Email Address bgerst@wvog'aop.com									
d.	Volume of waste shipped 6974058	to processing or disposal facility in the previous year. cu yd gal lb ton (check one)									
a,	Solid waste permit number	er(s) for processing or disposal facility being utilized.									
b.	Facility Name	·									
υ.	Address Line 1	· · · · · · · · · · · · · · · · · · ·	_								
	Address Line 1		_								
	Address City State ZIP		_								
	Municipality	County									
	Facility Contact Name		-								
	Title		_								
	Phone	Email Address	_								
1.	Volume of waste shipped	to processing or disposal facility in the previous year.									
4.	Votatile of waste shipped	☐ cu yd ☐ gal ☐ ib ☐ ton (check one)									
		CONTRACTOR OF THE STATE OF THE	967								
1.	Has the waste been appro	ved for beneficial use?	Vo								
		ermit number or approval number.									
).	Volume of waste beneficia	Illy used in the previous year: cu yd gal lb ton (check one)									
_											

			SECTION	INID CERTIFICATION
Repo obta knov	ort and all attached do ining the information, viedge. I understand t	cuments verify hat the s	s and that base that the subm submission of fa	examined and am familiar with the information submitted in this Annual dupon my inquiry of those individuals immediately responsible for itted information is true, accurate and complete to the best of my also information herein is made subject to the penalties of 18 Pa. C.S., which include fine and imprisonment.
Chec	k the following, if appli	cable:		
	certify the informat		ired in Section	B-1, General Properties was supplied to the Department for the year
3	Form Submitted:		Form 26R	
	,		Other (specify)	
	Date Submitted:			-
	certify the informat		ired 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 for the year and			3, Process Description and Schematic, was supplied to the Department
	Form Submitted:		Form 26R	
			Other (specify)	<u> </u>
	Date Submitted:			
Name	Responsible Officia	tector)	Title Eff. Tructer
Signa	ature Unit	lut	\	Date 3/11/11

- 3. Process Description & Schematic Attachments
 - a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.
 - Brine Water that has been generated during the well production process.

802 802 802 802 802 802 802	23707 23707 23707 24301 24301 24301 24301 24301 22868	#7 #8 #9 #10	37-129-28012 37-129-28012 37-051-23984 37-051-23986 37-051-23986 37-051-24046	S Huntingdon S Huntingdon S Huntingdon Washington Washington Washington German		PA BRINE TRT - JOSEPHINE PLT - INDIANA CO Total Waste PA BRINE TRT - JOSEPHINE PLT - INDIANA CO Total Waste ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WASTE	2263 2263 2263 2263 3366 1680 11512 1848
802 802 802 802 802 802 802	23938 24301 24301 24301 24301 24301 22868	#7 #8 #9 b #10	37-129-28012 37-051-23983 37-051-23984 37-051-23986	S Huntingdon Washington Washington Washington Washington	Westmoreland Fayette Fayette Fayette Fayette	TOTAL WARLE PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY	2263 2263 2263 336 1680 11512 1848
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802	22868	#10 #16	37-051-23986	Washington	Fayette	TUNNELTON LIQUIOS COMPANY	1848
802 802 802 802	22868	315					
802 802 802 802	22870		37-051-24046	German	Fauntte	Total Waste	15376
02 02 02	22870		37-051-24046	German	Fauntte		
802 802 802 802	22870		37-051-24046	German	Faventre		
802 802 802 802		. Aria			- Prince	WEST VIRGINIA DIL GATHERING	84
102 102 102		Via .			+	Total Waste	34
02 02 02		/tin					
102			37-051724044	German	Fayette	WEST VIRGINIA DIL GATHERING	298
02				-		Total Waste	298
02	1						
02	23676	710	37-059-24830	Cumberland	Greene	ADVANCED WAST'S SERVICES	10983
	23676	#10	37-059-24830	Cumberland	Greenu	AOR CLEARWATER LLC	6182
0.7	23676	<i>1</i> 10	37-059-24830	Cumbertand	Greene	APPALACHIAN WATER SERVICES, LLC	357
	23676	#10	37-059-24830	Cumberland	Greene	FRANKLIN	462
02	23676	#10 #10	37-059-24830	Cumberland	Greene	PA DRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	7950 1453
102	2.7676	410	37-059-24830	Cumberland	Greene	Total Waste	27388
						TOTAL WASIE	2/388
	02/75		17 000 DAGE	Combada	-	ADVANCED WATTE CERNICES	4114
102	23675	#9	37-059-24829 37-059-24829	Cumberland	Greene	ADVANCEO WASTE SERVICES AOP CLEARWATER LLC	640S
02	23675	79	37-059-24829	Cumberland	Greene	FRANKLIN	420
02	23675	89	37-059-24829	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INGIANA CO	7047
102	23675	Les .	37-059-24829	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	2755
			X			Total Waste	21865
		-			-		
102	22705	ATTA	37-059-24428	Cumberland	Greene	ADVANCED WASTE SERVICES	7715
02	22705	#11A	37-059-24428	Cumberland	Greene	AOP CLEARWATER-LLC	10432
02	22705	SI1A '	37-059-24428	Cumberland'	Greene	APPALACHIAN WATER SERVICES, LLC	252
02	22705	#11A	37-059-24428	Cumberland	Greene	FRANKLIN	3570
02	22705	#11A	37-059-24428	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	798
02	22705	A11A	37-059-24428	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	13225
						Total Waste	32781
02	22818	29	37-059-24488	Monongahela	Greene	ADVANCED WASTE SERVICES	11159
02	22818	#29	37-059-24488	Monongahola	Greene	AOP CLEARWATER LLC	65016
02	22818	1 1129	37-059-24468	Monongahela	Greene	APPALACHIAN WATER SERVICES, LLC	4200
U2	22818	FZ9	37-059-24468	Monongalicia	Greene	WEST VIRGINIA OIL GATHERING Total Wasse	23721
)2	22974	#30	37-059-24476	Monongahela	Greene	ADVANCEO WASTE SERVICES	10542
	22974	#30	37-059-24476	Monongahela	Greene .	AOP CLEARWATER LLC	4195
	22974	#30	37-059-24476	Monongahela	Greene	APPALACHIAN WATER SERVICES, LLC	6930
	22974	#30	37-059-24476	Monongahela		PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	18060
	22974	#30	37-059-24476	Monongahela	Greene	WEST VIRGINIA OIL GATHERING -	,6388
		-				Total Waste	23625
			1000		1.25		
	72785	#33		Monongahela		ADVANCED WASTE SERVICES	5980
	22785	#33		Monongahela		AOP CLEARWATER LLC	31241
	22785	#33	37-059-24612	Monongalvela		APPALACHIAN WATER SERVICES, LLC	33.50
_	22785	#33	37-059-24812	Monongahela		PA BINNE TRT - JOSEPHINE PLT -INDIANA CO	2604
)2	72785	(3)	37-059-24612	Monongahela		WEST YIRGINIA OIL GATHERING Total Waste	3470 154350
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	24929	#45H		Greene		ADVANCED WASTE SERVICES	73127
-	24929	#45H		Greene		PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	4452 89922
	24929	#45H		Greene Greene		WEST VIRGINIA OIL GATIJERING	10710
)2	£47£7	12-1311	07-030-23211	or earlie	_	Total Waste	178206

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802	24930	VASH	37-059-25270	Greene	Greene	ADVANCED WASTE SERVICES	212
208	24930	246H	37-059-25270	Greate	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	226
208	24930	7 74611	37-059-25270	Greene	Greene	WEST VIRGINIA OIL GATHERING	- 77
007	1	Wilder	- STOSTICE	Orecine	Johnson	Total Waste	
-					-	10131 Walls	515
	-						-
802	25037	253	37-059-25244	Greene	Greene	ADVANCED WASTE SERVICES	1280
502	25037	#53	37-059-25244	Greena	Greene	FRANKLIN	937
802	25037	#S3	37-059-25244	Greene	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	2515
802	25037	#53	37-059-25244	Greene	Greene	WEST VIRGINIA OIL GATHERING	25;
	-		-	1		Total Waste	488
			- 4		1 2 2		
				1			
802	25038	#54H	37-059-25272	Greene	Greene	ADVANCED WASTE SERVICES	1552
802	25038	#54H	37-059-25272	Greene	Greene	FRANKLIN	47/
B02	25038	#54H	37-059-25272	Greene	Greene	PA BRUHE TRT - JOSEPH INE PLT -INDIANA CO	1864
802	25038	#54H	37-059-25272	Greene	Greene	WEST VIRGINIA DIL GATHERING	294
		1100				Total Waste	4187
802	22701	NO	37-059-24424	Cumberland	Greene	ADVANCED WASTE SERVICES	14771
505	72701	AG	37-059-24424	Cumberland	Greene	AOP CLEARWATER LLC	11680
802	22701	#6	37-059-24424	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	483
802	22701	NG.	37-059-24424	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	4204
802	22701	#6	37-059-24424	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	5724
JJE.	1,2701	- ""	OF WIFEHEN	Sures and	Overse	Total Waste	36863
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102	21729	TAB	37-051-24189	Washington	Fayette	ADVANCED WASTE SERVICES	2226
102	21729	T #B	37-051-24189	Washington	Fayette	FRANKLIN	3011
102	21729	7.28	37-051-24189	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	41353
302	21729	T 18	37-051-24189	Washington	Fayette	TUNNELTON LIQUIDS COMPANY	4452
	121727	The state of the s	1	II walland wat	Lalette	Total Waste	51042
_			-	-	_	licial waste	31042
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302	24075	213	37-051-23976	Washington	Fayette	ADVANCED WASTY SERVICES	420
302	24075	#13	37-051-23978	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	831
102	12 (012		- 101 501 20570	Trasmington.	110,000	Total Waste	1251
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_		N. J.					
302	24157	014	37-051-23975	Washington	Fayette	FRANKLIN	1323
102	24157	W14	37-051-23975	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	16409
102	24157	V14 .	37-051-23975	Washington	Fayette	TUNNELTUH LIQUIDS COMPANY	1717
	1					Total Wage	19450
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02	24302	1/15	37-051-23985	Washington	Fayerte	ADVANCED WASTE SERVICES	1350
02	24302	#15 °	37-051-23985	Washington	Fayette	FRANKLIN	5052
02	24302	#15	37-051-23985	Washington	Fayette	PA BRINE TRY - JUSEPHINE PLT -INDIANA CO	1. 31021
02	24302	W15	37-051-23985	Washington	Fayette		
	F-1205	W 113		1 11 continued cont		TUNNEL TON LIQUIDS COMPANY .	
	1					TUNNELTON LIQUIDS COMPANY Total Watte	2058
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	25213	194	37-129-27941	Salem	Westmoreland		205# 39517
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02	25213	19A	37-129-27943	Salein	Westmoreland	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	2058 39517: 2255- 17959:
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02	25213	19A	37-129-27943	Salein	Westmoreland	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	2058 39517 2255 17959 252
02	25213	19A	37-129-27943	Salein	Westmoreland	TOTAL WASTE ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY	2058 39517 2255 17959 252
02.	25213 25213	79A 19A	37-129-27943 37-129-27943	Salem Salem	Westmoreland Westmoreland	ADVANCED WASTE SERVICES PA BRINE TRY: JOSEPHINE PLT -INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WASTE	2058 39517 2255 17959 252 20466
02 02	25213 25213 25583	19A 19A Unit #11	37-129-27943	Salem Salem Cumberland	Westmoreland Westmoreland Greene	TOTAL WASTE ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY	2058 39517 2255 17959 252 20466
02 02 02 02 02 02 02	25213 25213 25283 25583	19A 19A Unit #11 Unit #11	37-129-27943 37-129-27943 37-059-25223 37-059-25223	Salem Salem	Westmoreland Westmoreland Greene Greene	ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT -INDIANA CO TUMHELTON LIQUIOS COMPANY Total Waste ADVANCED WASTE SERVICES	2058 39517 2255 17939 252 20466
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02 02 02 02 02 02	25213 25213 25283 25583	19A 19A Unit #11 Unit #11	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223	Salem Salem Cumberland Cumberland	Westmoreland Westmoreland Greene Greene	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT -INDIANA CO TUMNELTON LIQUIOS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRY - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	2058 39517 2255 17959 252 20466 14784 2587 23881
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02 02 02 02 02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25583	Unit #11 Unit #11 Unit #11	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223	Salern Salern Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRY - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES	2058 39517 2255 17959 252 20466 14784 2587 23881 1272 42525
02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25583 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #11 Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223 37-059-25223	Salern Salern Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene	TOTAL WRITE ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT -INDIANA CO TUNNELTON LIQUIGS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN TOTAL WASTE ADVANCED WASTE SERVICES TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN	2058 39517 2255 17939 252 20466 14784 2587 23881 1272 42525
02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25583	Unic #11 Unic #11 Unic #11 Unic #11 Unit #11 Unit #12	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223	Salern Salern Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT - INDIANA CO TURNEL TON LIQUIOS COMPANY TOIDI WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRY - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIK PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	2058 39517 2255 17959 252 20466 14784 2587 23881 1277 42525 2667 499
02 02 02 02 02 02 02 02 02 02 02 02 02 0	25213 25213 25213 25583 25583 25583 25583 25583 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #11 Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223 37-059-25223	Salern Salern Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene	TOTAL WRITE ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT -INDIANA CO TUNNELTON LIQUIGS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN TOTAL WASTE ADVANCED WASTE SERVICES TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN	2058 39517 2255 17939 2525 20466 14784 2587 23881 1272 42525 2667 499
02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25583 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #11 Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223 37-059-25223	Salern Salern Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene	ADVANCED WASTE SERVICES PA BRINE TRY - JOSEPHINE PLT - INDIANA CO TURNEL TON LIQUIOS COMPANY TOIDI WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRY - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIK PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	2058 39517 2255 17939 2525 20466 14784 2587 23881 1272 42525 2667 499
02 02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25583 25584 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #12 Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223 37-059-25227 37-059-25227 37-059-25227	Salem Salem Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene	TOTAL WESTE ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT -INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WESTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WESTE ADVANCED WASTE SERVICES FRANKLIR PA BRINETRT - JOSEPHINE PLT -INDIANA CO TOTAL WESTE	2058 39517 2255 17959 252 20466 14784 2587 23881 1272 42525 2667 499 3074 6241
02 02 02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25584 25584 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #12H Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25227 37-059-25227 37-059-25227 37-059-25227	Salem Salem Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene Fayetta	ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIR PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIR PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES	2058 39517 2255 17959 252 20466 14784 2587 23881 1272 42525 2667 459 3074 6241
02 02 02 02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25584 25584 25584 25584 24079 24079	Unic #11 Unic #11 Unic #11 Unic #11 Unit #12H Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25223 37-059-25227 37-059-25227 37-059-25227	Salem Salem Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Groene Fayette Fayette	TOTAL WRITE ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT -INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WRITE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIR PA BRINE TRT - JOSEPHINE PLT -INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES	2058 39517 2255 17959 2552 20466 14784 2587 23881 1272 42525 2667 499 3074 6241
02 02 02 02 02 02 02 02 02 02 02	25213 25213 25213 25583 25583 25583 25583 25584 25584 25584 25584	Unic #11 Unic #11 Unic #11 Unic #11 Unit #12H Unit #12H Unit #12H	37-129-27943 37-129-27943 37-059-25223 37-059-25223 37-059-25223 37-059-25227 37-059-25227 37-059-25227 37-059-25227	Salem Salem Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland Cumberland	Westmoreland Westmoreland Greene Greene Greene Greene Greene Greene Fayetta	ADVANCED WASTE SERVICES PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TUNNELTON LIQUIOS COMPANY TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIR PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIR PA BRINE TRT - JOSEPHINE PLT - INDIANA CO TOTAL WASTE ADVANCED WASTE SERVICES	2058 39517: 2255: 17959 252: 20466 14784 2587: 23881: 1772: 42525: 2667: 499: 3074: 6241: 784): 6631:

	I .	Walthim		**************************************	San Carrier Co.		Pales
	CE AVOID	De Lament We Event	PACTIEN	- Cownship	- Southly		किएकाक्राक्तिक स्थान
-	-			1	-	Total Waste	20233
-	-			+	-		_
302	23982	79	37-051-23968	Redstone	Fayette	ADVANCED WASTE SERVICES	2100
802	23982	- 17	_ 37-051-23968	Redstone	Fayette	AOF CLEANWATER LLC	3099
802	23982	79	37-051-23968	Redstone	Favette	WEST VIRGINIA OIL GATHERING	841
001	23702	-	37.031.13700	Medicine	Payerra	Total Waste	604
	_			+		110(2) Waste	, 5047
802	22831	714	37-051-24220	Dunbar	Fayette	ADVANCED WASTE SERVICES	827
802	22631	714	37-051-24220	Dumbar	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	22894
802	72831	V14	32-051-24220	Dunhar	Fayette	WEST VIRGINIA OIL GATHERING	751
						Total Waste	24473
			1				
802	21561	/5	37-069-24335	Dunkard	Greene	ADVANCED WASTE SERVICES	5645
802	21561	#5	37-059-24335	Dunkard	Greene	ADP CLEARWATER LLC	5434
802	21561	45	37-059-24335	Dunkard	Greene	PA' BRINE TRT - JOSEPHINE PLT -INDIANA CO	1407
303	21561	#5	37-059-24335	Dunkard	Greene	WEST VIRGINIA OIL GATHERING	2133
						Total Waste	14624
302	26018	UT NG	37-059-25385	Greene	Greene	ADVANCED WASTE SERVICES	1562
RO2	26018	UT #6	37-059-25385	Greene	Greene	FRANKLIN	2074
802	26018	· UT V6	37-059-25385	Greene	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	2931
45				1		Total Waste	5563
	11.						
502	24408	15	37-051-24187	Redstone	Fayette	ADVANCED WASTE SERVICE'S	74968
102	24408	V5	37-051-24187	Redstone	Fayette	AOP CLEARWATER LLC	2062
102	24408	#5	37-051-24167	Redstone	Fayette	PA BRINETRY - JOSEPHINE PLT -INDIANA CO	10227
102	24408	115	37-051-24187	Redstone	Fayette	WEST VIRGINIA OIL GATHERING	4498
						Total Waste	31756
-							
	The second						
802	21535	Consol/USX #13	37-059-24489	Cumberland	Greene	ADVANCED WASTE SERVICES	1029
302	21535	Consol/USX #13	37-059-24489	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	- 449
						Total Waste	1478
102	23360	Consol/U5X #53H	37-059-24919	Cumberland	Greene	ADVANCED WASTE SERVICES	1407
02	23360	Consol/USX #53H	37-059-24919	Comberland	Greene	APPALACHIAN WATER SERVICES, LLC	449
102	23360	Consol/135X #53H	37-059-24919	Cumberland	Greene	FRANKLIN	462
02	23360	Consol/USX #53H	37-059-24919	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	1541
02	23360	Consol/USX #5311	37-059-24919	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	315
	4 72				1 1 1 1	Total Waste	4174
			-				
02	23432	Consol/USX #59	37-059-24903	Cumberland	Greene	ADYANCED WASTE SERVICES	6615
02	23432	Consol/USX #59	37-059-24903	Cumberland	Greene	AOP CLEARWATER LLC	4254
02	73432	Consol/USX #59	37-050-24903	Comberland	Greene	APPALACHIAN WATER SERVICES, LLC	777
02	23432	Consol/USX #59	37-059-24903	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	6783
02	23432	Consol/USX #59	37-059-24903	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	3007
						Total Waste	21436
			_	-			
_		-	W 250	-	-		
02	23614	Consol/USX #66	37-059-25137	Cumberland	Greene	ADVANCED WASTY SERVICES	6892
	23614	Consol/USX #66	37-059-25137	Cumberland	Greene	AOP CLEARWATER LLC	4048
	23614	Consol/USX #66	37-059-25137	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	2940
02	23614	Consol/USX #66	37-059-25137	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	6022
02		ICantal MICY MAK	37-059-25137	Cumberland	Greens	WEST VINGINIA OIL GATHERING	3103
02	23614	Consol/USX #66				Total Waste	20361
02		Compil/ USA AIRO					
02		Conspir USA #400			-		
02	23614			Managettale	Canada	AMANCED WASTE SERVICE	
02 02 02 02	23614	Consol/USX #90	37-059-25334	Monorgahela	Greene	ADVANCED WASTE SERVICES	7413
02 02 02 02 02 02 02 02	23614 25857 25857	Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334	Monongahela.	Greene	FRANKLIN	7413 2L50
02 02 02 02 02	23614 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334	Monongahela Monongahela	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT - JNDIANA CO	7413 2L50 38064
02 02 02 02 02	23614 25857 25857	Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334	Monongahela.	Greene	FRANKLIN PA BRUNE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	7413 2L50 38064 449
02 02 02 02 02	23614 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334	Monongahela Monongahela	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT - JNDIANA CO	7413 2L50 38064 449
02 02 02 02 02	23614 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334	Monongahela Monongahela	Greene	FRANKLIN PA BRUNE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	7413 2L50 38064 449
02 02 02 02 02 02 02 02	23614 25857 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334	Monongahela Monongahela Monongahela	Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRCINIA OIL GATHERING Total Waste	7413 2L50 38064 449 48077
02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392	Monongahela Monongahela Monongahela Hopewei(Greene Greene Greene Washington	FRANKLIN PA BRINE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING Total Waste HUNTERS	7413 2150 38064 449 48077
02 02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857 24893	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392 37-125-23392	Monongahela Monongahela Monongahela Monongahela Hopeweli Hopeweli	Greene Greene Greene Washington Washington	FRANKLIN PA BUNE TRT - JOSEPHINE PLT :INDIANA CO WEST VIRGINIA OIL GATHERING Total Waste HUNTERS WEAVERTOWN EVN GROUP	7413 2L50 38054 449 48077
02 02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392	Monongahela Monongahela Monongahela Hopewei(Greene Greene Greene Washington	FRANKLIN PA BUNE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WARE HUNTERS WEAVERTOWN EVA GROUP WEST VIRGINIA OIL GATHERING	7413 2L50 38064 449 48077 2640 378 43234
02 02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857 24893	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392 37-125-23392	Monongahela Monongahela Monongahela Monongahela Hopeweli Hopeweli	Greene Greene Greene Washington Washington	FRANKLIN PA BUNE TRT - JOSEPHINE PLT :INDIANA CO WEST VIRGINIA OIL GATHERING Total Waste HUNTERS WEAVERTOWN EVN GROUP	74136 21500 380644 4499 480777 26400 3786 432341 462586
02 02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857 24893	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392 37-125-23392	Monongahela Monongahela Monongahela Monongahela Hopeweli Hopeweli	Greene Greene Greene Washington Washington	FRANKLIN PA BUNE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WARE HUNTERS WEAVERTOWN EVA GROUP WEST VIRGINIA OIL GATHERING	74133 2L50i 3B054i 449i 4B077i 2640i 378i 43234i
02 02 02 02 02 02 02 02 02 02 02 02 02	25857 25857 25857 25857 25857 25857 24893	Consol/USX #90 Consol/USX #90 Consol/USX #90 Consol/USX #90	37-059-25334 37-059-25334 37-059-25334 37-059-25334 37-125-23392 37-125-23392	Monongahela Monongahela Monongahela Monongahela Hopeweli Hopeweli	Greene Greene Greene Washington Washington	FRANKLIN PA BUNE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WARE HUNTERS WEAVERTOWN EVA GROUP WEST VIRGINIA OIL GATHERING	7413 2L50 38064 449 48077 2640 378 43234

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THE PARTY	SERVICE STATE	Charamatic	- Julian	- Cistrato in 1	The state of the s	Total Waste	14183
				-		134	14103
102.	24860	h2H	37-125-23393	Hopewell	Washington	HUNTERS	1461
502	24860	12H	37-125-23393	Hopewell	Washington	WEST VIRGINIA OIL GATHERING	29505
7.7						Total Waste	3095E
		1					
				Same	-		
302	24961	#14	37-125-23385	Hopewell	Washington	HUNTERS	1050
102	24861	1174	37-125-23385	Hopewell	Washington	WEST VIRGINIA OIL GATHERING	90230
-	-		-			Total Waste	91266
802	24862	#15	37-125-23394	liopewell	Washington	HUNTERS	4536
802	24862	#15	37-125-23394	Hopewell	Washington	WEST VIRGINIA OIL GATHERING	38220
-	21002	472	37.12.23.7	торенен	Washing Can	Yétal Waste	42750
	+		-	-			
02	25005	#16	37-125-23395	Hopewell	Washington	HUNTERS'	7602
02	25005	#16	37-125-23395	Hopewell	Washington	WEST VIRGINIA OIL GATHERING	198534
_						Total Waste	206136
			200.0				31133
02	24863	#17	37-125-23385	Hopewall	Washington	HUNTERS	84
02	24863	#17	37-125-23386	Hopewell	Washington	WEST VIRGINIA DII, GATHERING	90762
				1, 1747		Total Waste	90846
		11.0-11.1					1-00-11-12-12-12
			101070				
02,	23300	#40	37-125-23161	Cross Creek	Washington	HUNTERS	2220
02	23300	#40	37-125-23161	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	28350
			1.0			Total Waste	30576
_	1		-				
02	23371	#41	37-125-23537	Cross Creek	Washington	HUNTERS	42
02	23371	(41)	37-125-23537	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	57582
	1				1.	Total Waste	57624
02	23221	746	37-125-22957	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	9660
V2	LULLI	40	57-120-22007	COD CICEN	" and good	Total Waste	9660
+	-				-	Total waste	9060
02	23222	147H	37-125-23271	Cross Creek	Washington	HUNTERS	7728
02	23222	47H	37-125-23271	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	246330
-	LULLE			Great Green	The same of the sa	Total Waste	254058
	22022	CANEL	27 426 22420	Cases Canada	Washinston	ULIANCEDE	2402
02	23223	ABH .	37-125-23429	Cross Creek	Washington	HUNTERS	9492
02	23223	148H	37-125-23429	Cross Creek	Washington	WEST YIRGINIA OIL GATHERING	78456
_	1		-			Total Wasta	87948
			22 425 0000			WOOT LONG BUILDING	
02	23225	50	37-125-23070	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	36477
						Total Waste	36477
02	23726	51	37-125-22960	Cross Creek	Washington	HUNTERS	2520
12	23226	51	37-125-22960	Cross Creek	Washington	WEST VIRGINIA OIL GATHERING	100191
	237,417		3712322100	Cion Cicci	Trasming con	Total Waste	102711
-	-						
)2	23228	53	37-125-22961	Cross Creek	Washington	HUNTERS	1470
12	23228	53	37-125-22961	Cross Creek	Washington	WEST VIRGINIA DIL GATHERING	8316
						Total Waste	9786
-							
12	24611	66	37-059-25137	Independence	Washington	WEST VIRGINIA OIL GATHERING	4368
	-		7 -			Total Waste	4366
-							
12	24857	6H		Hopewell	Washington	HUNTERS	7350
12	24857	611	37-125-23390	Hopewell	Washington	WEST VIRGINIA OIL GATHERING	97650
					25.57	Total Waste	105000
	1 mm		-				
2	25119	75		Cross Creek	Washington	HUNTERS	1250
)2	25119 25119	75 75			Washington Washington	HUNTERS WEST VIRGINIA OIL GATHERING Total Waste	1250 146580 147840

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Siypo	Wolfe	A TOWN WALL WALL	POMPER.	L'ANNAH DE	County	A STATE OF THE STA	- Potati allon
802	25166	#76	37-125-23515	Hopewell	Washington	HUNTERS	3
802	25166	1776	37-125-23515	Hupewelt	Washington	WEST VIRGINIA OIL GATHERING Total Waste	18
						Tota waste	20
802	24690	40	37-051-24152	Redstone Redstone	Fayette Fayette	ADVANCED WASTE SERVICES ADP CLEARWATER LLC	11
802	24690		37-051-24152	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	165
802	24690	*4	37-051-24152	Redstone	Fayette	TUNNELTON LIQUIDS COMPANY	. 9
802	2.4690	No.	37-051-24152	Redstone	Fayette	. WEST VIRGINIA OIL GATHERING	4
			-		-	Total Waste	196
							200
002	24691		37-051-24153	Redstone	Fayette	ADVANCED WASTE SERVICES	. 78
802	24691		37-051-24153	Redstone	Fayette	FRANKLIN	16
802	24691	- 2	37-051-24153	Redstone	Fayette Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	3953
802	23991		37-001-24130	Redstone	rayeue	Total Waste	524
802	23942	P11	37-129-27280	K Huntlanden	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	92
BIIZ	23712	7/11	37-127-27200	5 Huntingdon	WESCHOLETTING	Total Waste	92
	23943	-	27 100 (700)	5 Huntingdon	No. of Contract	FRANKLIN	1000
B02	23943	#12 #12	37-129-27281	5 Huntingdon	Westmoreland Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	756
	23.10		at the state	1		Total Waste	936
			1				
802	23944	M3	37-129-27282	5 Huntingdon	Westmoreland	ADVANCED WASTE SERVICES	92
802	23944	lh3	37-129-27282	5 Huntingdon	Westmoreland	FRANKLIN	217
RD2	23944	#13	37-129-27282	S Huntingdon	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	1288
802	23944	J13	37-129-27282	S Huntingdon	Westmoreland	TUHNELTON LIQUIDS COMPANY	184
	-					Total Waste	1782
203	25079	THE THE	37-125-23779	Deemston	Washington	ADVANCED WASTE SERVICES	954
802	25079	UT n1	37-125-23779	Decrision	Washington	APPALACHIAN WATER SERVICES, LLC	42
802	25079	UT #1	37-125-23779	Deemston	Washington	PA BRIHE THT - JOSEPHINE PLT -INDIANA CO	938
802	25079	UT #1	37-125-23779	Deemston	Washington	TURNELTON LIQUIDS COMPANY	18
802	25079	ut en ·	37-125-23779	Deemston	Washington	WEST VIRGINIA OIL GATHERING	571
			-		25.	Yotal Waste	2525
	1.00						
502	22,905	n	37-129-27165	5 Huntingdon	Westmareland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	23
-						Total Waste	23
				- 21			
	23639	Fairbank Rod & Gun Club #3	37-051-24238	Menallen	Fayetre	ADVANCED WASTE SERVICES	10/4
	23639	Foirbank Rod & Gun Club #3	37-051-24238	Menallen	Fayette	FRANKLIN	212
	23639	Fairbank Rod & Gun Club #3 Fairbank Rod & Gun Club #3	37-051-24238 37-051-24238	Menallen	Fayette	WEST YIRGINIA OIL GATHERING	2547
						Total Waste	3868
302	23642	Fairbank Rod & Gun Club #6	37-051-24239	Menalten	Fayette .	ADVANCED WASTE SERVICES	1312
	23642	Fairbank Rod & Gun Club #6	37-051-24239	Menallen	Fayette	D & L Energy Inc.	79
	23642	Fairbank Rod & Gun Club #6	37-051-24239	Menallen	Fayette	FRANKLIN	276
	23642	Fairbank Rod & Gun Club #6 Fairbank Rod & Gun Club #6	37-051-24239 37-051-24239	Menallen	Fayette Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO PATRIOT	3983
	23642		37-051-24239		Fayette	WEST VIRGINIA OIL GATHERING	129
						Total Waste	5818
	_						-
02	25665	Unit #5H	37-051-24305	Redstone	Fayette	ADVANCED WASTE SERVICES	42
	25665	Dunit #5H	37-051-24305	Redstone	Fayette	FRANKLIN	80
						Total Waste	123
-	,			L. Committee		(· · · · · · · · · · · · · · · · · · ·	
STATE OF THE PARTY OF	25466	Unit #GH	37-051-24306		Fayette	ADVANCED WASTE SERVICES	158
	25666	Unit #611	37-051-24306	Redstone	Fayette	FRANKLIN	120
102	25666	Unit #6H	37:051-24306	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA-CO Total Waste	126
- 7				**		Total Waste	403
22	75837	Country Monata Floring Co.	37.05+ 24242	Washington	Count's	ADVANCES WASTE SEGUICES	
02	25827	Fayette Hungle Club Unit #6H	37-051-24310	Washington	Fayette	ADVANCED WASTE SERVICES	214

		- Company of the Comp				and the second s	The same of the sa
Wast	Valle	Wide Bunite	er Pampo J	on the second second	' "Connty A	Punge(arPoint	Tolarsation
202	25877	Fayette Beagle Club Unit #6H		Washington	Fayette	FRANKUN	4
802	25827	Fayette Beagle Club Unit #6H	37-051-24310	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4
802	25827	Favette Beagle Club Unit #6H	37-051-24310			WEST YIRGINIA OIL GATHERING	
804	123521	Prayette Beagle CIUD Unit wars	37-051-24110	Washington	Fayette		8
-	+			1	-	Total Waste	38
					1		
802	25267	UT #44	37-051-24267	Springhill	Fayette	AOVANCED WASTE SERVICES	57
302	25267	LIT B44	37-051-24267	Springhill	Foyette	AOP CLEARWATER LLC	21
802	25267	UT. #44	37-051-24267	Springhill	Fayette	APPALACHIAN WATER SERVICES, LLC	10
802	25267	UT #44	17-051-24267	Springhill	Fayette	FRANKLIH	17
802	25267	UT #44	37-051-24267	Springhill	Fayette	RA BRIHE TRT - JOSEPHINE PLT - INDIANA CT)	388
802	25267	I,UT MA	17-051-24267	Springhill	Fayette	WEST YIRGINIA OIL GATHERING	
	-					Total Waste	505
200	24224		27.001.24220	n. A.		MARK Machille on Carrienas	
802	26229	nit #1314	37-051-24375	Dunbar	Fayette	WEST VIRGINIA OIL GATHERING Total Waste	
802	25870	n	37-051-24262	Nicholson	Fayette	ADVANCED WASTE SERVICES	120
302	25870	III	37-051-24262	Michelson	Fayette	AOP CLEARWATER LLC	32
_	25870			Hicholson			7
802		<i>97</i>	37-051-24262		Fayette	APPALACHIAN WATER SERVICES, LLC	
802	25870	17	37-051-24262	Nicholson	Fayette	D & L Energy Inc.	4
802	25870	117	37-051-24262	Hicholson	Fayette	FRANKLIN	4
802	75870	1 17	37-051-24262	Nicholson	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	140
802	25870	i 17	37-051-24262	Nicholson	Fayette	WEST VIRGINIA OIL GATHERING	22
					-	Toral Waste	331.
802	25915	Unit #2H	37-129-28295	Rostraver	Westinoreland	ADVANCED WASTE SERVICES Total Waste	53
						Total	
802	21956	ווא דע	37-129-26882	Sewickley	Westmoreland	FILANKLIN	4
802	21956	UT #11	37-129-26882	Sewickley	Westmoreland	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	135
802	21956	UT 3/11	37-129-26882	Sewickley	Westmoreland	TUNNELTON LIQUIDS COMPANY	193
802	21736		37-129-20002	Sewickiey	Westinoretaild		-
		**				Total Waste	158
			TI			- W	1
802	25727	Game Lands #Z	37-059-25338	Dunkard	Greene	ADVANCED WASTE SERVICES	41
802	75727	Game Lands #2	37-059-25338	Dunkard	Greene	FRANKLIN	2
802	25727	Game Lands 22	37-059-25338	Dunkard	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	123
802	25727	Game Lands #2	37-059-25338	Dunkard	Greene	WEST VIRGINIA OIL GATHERING	7:
						Total Waste	174
502	7.5726	Game Lands UT #1	37-059-25337	Dunkard	Greene	ADVANCED WAST'E SERVICES	76
	25726	Game Lands UT M	37-059-25337	Dunkard	Greene	FRANKLIN	4:
BO2			37-059-25337	Dunkard	Greene	PA BRIHE TRY - JOSEPHINE PLT -INDIANA CO	1155
BOZ BOZ					-	Total Waste	196
802 802	1						220
			37-059-25339	Dunkard	Greene	AQVANCED WASTE SERVICES	99.
509	25777	Game Lands UT #3H	37-059-25339 37-059-25339	Dunkard Dunkard	Greene Greene	AQVANCED WASTE SERVICES FRANKLIH	993
802	25777 25777	Game Lands UT 43H Game Lands UT #3H			Greene Greene Greene		99.
802 802	25777 25777 25777	Game Lands UT 43H Game Lands UT #3H Gume Lands UT #3H	37-059-25339	Dunkard		FRANKUH	993 71 1964
802 802 802	25777 25777 25777	Game Lands UT 43H Game Lands UT #3H Gume Lands UT #3H	37-059-25339 37-059-25339	Dunkard Dunkard	Greene	FRANKLIH PA BRIHE TRT - JOSEPHINE PLT - INDIANA CO	993 71 196-
802 802 802	25777 25777 25777	Game Lands UT 43H Game Lands UT #3H Gume Lands UT #3H	37-059-25339 37-059-25339	Dunkard Dunkard	Greene	FRANKLIH PA BRIHE TRT - JOSEPHINE PLT -IHDIANA CO WEST VIRGINIA OIL GATHERING	993 71 1964 41
802 802 802	25777 25777 25777 25777 25777	Game Lands UT 47H Game Lands UT 47H Gume Lands UT 47H Game Lands UT 47H Game Lands UT 47H	37-059-25339 37-059-25339	Dunkard Dunkard	Greene	FRANKLIH PA BRIHE TRT - JOSEPHINE PLT -IHDIANA CO WEST VIRGINIA OIL GATHERING	991 71 1964 4: 3079
802 802 802 802	25777 25777 25777 25777 25777	Game Lands UT 43H Game Lands UT #3H Game Lands UT #3H Game Lands UT #3H	37-059-25339 37-059-25339 37-059-25339	Dunkard Dunkard Dunkard	Greene Greene	FRANKLIH PA BRIHE TRT - JOSEPHINE PLT -IHDIANA CO WEST VIRGINIA OIL GATHERING Total Waste	993 71 1964 41 3076
802 802 802 802	25777 25777 25777 25777 25777 25778 25778	Game Lands UT #3H Game Lands UT #4H Gams Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340	Dunkand Dunkand Dunkand Dunkand	Greene Greene Greene	FRANKLIH PA BRIHETRT - JOSEPHINE PLT -IHDIANA CO WEST VIRGINIA OIL GATHERING Total Waste ADVANCED WASTE SERVICES	991 77 196- 41 3079
802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778	Game Lands UT #3H Geme Lands UT #3H Geme Lands UT #3H Game Lands UT #3H Game Lands UT #3H Game Lands UT #4H Game Lands UT #4H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard	Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN	99.77 196-4. 307: 134-2. 207:
802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778	Game Lands UT #3H Geme Lands UT #3H Geme Lands UT #3H Game Lands UT #3H Game Lands UT #3H Game Lands UT #4H Game Lands UT #4H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard	Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	99. 77. 1964 4. 307! 13. 49.
802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778	Game Lands UT #3H Geme Lands UT #3H Geme Lands UT #3H Game Lands UT #3H Game Lands UT #3H Game Lands UT #4H Game Lands UT #4H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard	Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	993 77 3964 4: 3076 23 491 3:
802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778	Game Lands UT #3H Game Lands UT #3H Gume Lands UT #3H Game Lands UT #3H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard	Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	993 77 1964 41 3076 23 49 33 690
802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778 25778	Game Lands UT #3H Geme Lands UT #3H Gume Lands UT #3H Game Lands UT #3H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 57-059-25340 37-059-25340 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard	Greene Greene Greene Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL Waste	991 71 196- 4: 307- 134
802 802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778 25778 25778	Game Lands UT 42H Game Lands UT 42H Gume Lands UT #3H Game Lands UT #3H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340 37-059-25340	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Ounkard Cumberland	Greene Greene Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES	993 77 1956 4. 3074 134 22 499 33 699
802 802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25778 25778 25778 25778 25778 24046 24046	Game Lands UT #2H Game Lands UT #2H Game Lands UT #3H Game Lands UT #3H Game Lands UT #4H	37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340 37-059-25340 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumberland Cumberland	Greene Greene Greene Greene Greene Greene Greene Greene Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WBITE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES ADP CLEARWATER LLC	99. 77. 1956 4. 307/ 133 2. 49 3. 69/ 22/ 15/ 22/ 22/ 22/ 25/ 25/ 22/ 22/ 25/ 25/ 2
802 802 802 802 802 802 803 803 803 803 804 805 805 805 806 806 807 807 807 808 808 808 809 809 809 809 809 809 809	25777 25777 25777 25777 25777 25777 25778 25778 25778 25778 24046 24046 24046 24046	Game Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #3H Game Lands UT #3H Game Lands UT #4H #11 #11 #11	37-059-25339 37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340 37-059-24650 37-059-24650 37-059-24650 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WISTE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES AOP CLEARWATER LLC FRANKLIN	99. 77. 1956 4. 307: 133. 2.2 49 3.3 69: 221. 155: 2.2 800
802 802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25777 25778 25778 25778 25778 25778 25778 254046 24046 24046	Game Lands UT #2H Gerne Lands UT #2H Gerne Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #4H #11 #11	37-059-25339 37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340 37-059-24650 37-059-24650 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumbertand Cumbertand Cumbertand	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES PRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	99. 77. 1966 4. 3071 23. 22. 49. 33. 69. 22. 15. 22.
802 802 802 802 802 802 803 803 803 803 804 805 805 805 806 806 807 807 807 808 808 808 809 809 809 809 809 809 809	25777 25777 25777 25777 25777 25777 25778 25778 25778 25778 24046 24046 24046 24046	Game Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #3H Gerne Lands UT #3H Game Lands UT #3H Game Lands UT #4H #11 #11 #11	37-059-25339 37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-25340 37-059-24650 37-059-24650 37-059-24650 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES ADP CLEARWATER LLC FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CD WEST VIRGINIA OIL GATHERING	99. 77. 1966 4. 3071 23. 22. 49. 33. 69. 22. 15. 22.
802 802 802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25777 25778 25778 25778 25778 24046 24046 24046	Game Lands UT #2H Gerne Lands UT #2H Gerne Lands UT #3H Gerne Lands UT #3H Game Lands UT #3H Game Lands UT #4H Game Lands UT #4H Game Lands UT #4H Game Lands UT #4H #11 #11 #11	37-059-25339 37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-24650 37-059-24650 37-059-24650 37-059-24650 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES ADP CLEARWATER LLC FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CD WEST VIRGINIA OIL GATHERING	99. 77. 1964 4. 307! 133. 22. 49. 3.: 694 221 25: 20. 20. 214. 21. 21. 21. 20. 21. 21. 21. 21. 21. 22. 23. 24. 24. 24. 24. 25. 26. 27. 26. 27. 27. 28. 28. 28.
802 802 802 802 802 802 802 802 802 802	25777 25777 25777 25777 25777 25777 25778 25778 25778 25778 25778 24046 24046 24046 24046 24046	Game Lands UT 43H Gerne Lands UT 43H Gerne Lands UT 43H Gerne Lands UT 43H Gerne Lands UT 44H Fill Fill Fill Fill Fill Fill Fill Fil	37-059-25339 37-059-25339 37-059-25339 37-059-25339 37-059-25340 37-059-25340 37-059-24650 37-059-24650 37-059-24650 37-059-24650 37-059-24650	Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Dunkard Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand Cumbertand	Greene	FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WASTE ADVANCED WASTE SERVICES FRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WUSTE ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES ADVANCED WASTE SERVICES PRANKLIN PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING TOTAL WUSTE	993 77 1964 4: 3076 133 2: 499 3: 690

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802	25145	£ #10	37-051-24212	Nicholson	Fayette	WEST VIRGINIA DIL GATHERING	LI.
				1	1	Total Waste	275
	1		_	-	1	Total Waste	2/3
	1			+	1	+	1
802	22970	14	37-059-2442	Monongahela	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4
802	22970	144	37-059-2442	Monongahela		WEST VIRGINIA OIL GATHERING	3
802	224/0	**	37-058-2442	Mononganera	Greene		
	-		_	-	-	Total Waste	8:
	1		-	-			
	1						
802	24496	J123	37-128-27509	Sewickley	Westmoreland	ADVANCED WASTE SERVICES	7
802	24496	123	37-129-27509	Sawickley	Westmoreland	APPALACHIAN WATER SERVICES, LLC	4
802	7,4496	123	37-129-27509	Sewickley	Westmoreland	FRANKLIN	22
302	24496	123	37-129-27509	Sewickley	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	138
802	24496	(12)	37-129-27509	Sewickley	Westmoreland	TUNNELTON LIQUIDS COMPANY	. 10
		T		1		Total Waste	184
	1					Total Wester	
-							
802	23362	7	37-059-24559	Cumberland .	Greene	ADVANCED WASTE SERVICES	2
802	23362		37-059-24559	Cumberland		WEST VIRGINIA OIL GATHERING	7
802	23302		31-039-74233	Comperano	Greene		
			-	-		Total Waste	9
	V.						
802	23617	48	37-059-25160	Cumberland	Greene	ADVANCED WASTE SERVICES	186
802	23617	#8.	37-059-25160	Cumberland	Greene	AOP CLEARWATER LLC	94
RD2	23617	88	37-059-25160	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	N X
802	23617	W8	37-059-25160	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	22
802	23617	88	37-059-25160	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	16
- Aur	23017		37-039-23100	Londenand	Sitting		
					-	Total Waste	. 355
-							
902	24078	UT #3	37-051-24023	German	Fayette	ADVANCED WASTE SERVICES	37
802	24078	UT #3	37-051-24023	German	Fayette	AOP CLEARWATER LLC	28
BUZ	24078	FF #3	37-051-24023	German	Fayette	APPALACHIAN WATER SERVICES, LLC	4
	24078	UT #3	37-051-24023	German	Fayetto	WEST YIRGINIA OIL GATHERING	13
-			1		2000	Total Waste	83
	-		-		-	TOCH WASCE	03
			-		-		
802	257.8%	Tr.	37-125-23806	West Bethlehem	Washington	ADVANCED WASTE SERVICES	121
	25282	TI. M	37-125-23806	West Bethlehem	Washington	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	38.
	25282	UTJH	37-125-23806	West Bethlehem	Washington	TUNNELTON LIQUIDS COMPANY	1
302	25282	JUL W	37-125-23806	West Bethlehem	Washington	WEST VIRGINIA DIL GATHERING	24
					1	Total Waste	188
*							9.7
802	25528	UT #2.	37-125-23775	West Bethlehem	Washington	ADVANCED WASTE SERVICES	295
802	25528	UT IIZ	37-125-23775	West Bethlehem	Washington	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	119
802	25528	UT #2	37-125-23775	West Bethlehem	Washington	WEST VIRGINIA OIL GATHERING	31
						Total Waste	145
-			-			TAKE WESTE	740
-	-			-	-		
	13673		37-059-25284	Cumberland	Crean	ADVANCED WASTE SERVICES	105
_	23672	178			Greene		
	23672	#8	37-059-25284	Cumberland	Greene	AOP CLEARWATER LLC	26
502	23672	#8	37-059-25284	Cumberland	Greene	FRANKLIN	10
302	23672	Ins	37-059-25284	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	95
102	23677.	# #6	37-059-25284	Cumberland	Groune	WEST VIRGINIA OIL GATHERING	28
-	-					Total Waste	266
102 2	21969	16	37-059-24036	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	4
-					1000	Total Waste	4
-	-				-		1
	_	-					
102	25060	10	37-059-25341	Cumberland	Greens	ADVANCED WASTE SERVICES	176
-		-	37-059-25341				
-	25060	88		Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	816
102 2	25060	78	37-059-25341	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	152
				1 4		Total Waste	273
	5061	1911	37-059-25342	Cumberland	Greene	ADVANCED WASTE SERVICES	94:
02 2	15061	89H	37-059-25342	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	8
	-					Total Waste	103
		4	25				377
			7 1 2 2 7 1		7 3		2
	3338	J#5	37-059-24473	Dunkard	Greene	ADVANCED WASTE SERVICES	45
02	3338				Greene		421
		05				AOP CLEARWATER LLC	
02 2		#5			Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	6.
02 2	3338				Greene	WEST YIRGINIA OIL GATHERING	100
02 2	3338	#5	37-059-24473	Dunkard	Greene	THO THOUGH OIL ON THEIGHT	10.
02 2		WS.	37-059-24473	Dunkare		Total Waste	104

Y/VN(e		P Million Tr	3 10 mm	1		The state of the s	and the second
Type	- PAGE	Well Name	- Palmite	Township .	* County	h Diggere Point Te.	Entar Sidrons
	-						
-	-			-	1	10.7	
EU2	23339	UT #6	37-059-74484	Dunkard	Greene'	WEST VIRGINIA OIL GATHERING	168
		-				Total Waste	16
	-						
	-		-	4			
302	24695	110	37-051-24154	Jefferson	Fayetie	MA BRINE TRT - JOSEPHINE PLT - INDIANA CO	277
						Total Weste	2777
	-						
	1000	-	-	-	-		
802	24492	915	37-051-24059	German	Fayette	ADVANCED WASTE SERVICES	5378
802	24492	215	37-051-24053	German	Fayette	AOP CLEARWATER LLC	399
802	24492	015	37-051-24053	German	Fayette	HUNTERS	210
302	24492	P15	37-051-24053	German	Fayette	PA BRIME TRT - JOSEPHINE PLT -INDIANA CO.	981
802	24492	#15	37-051-24053	German	Fayette	WEST VIRGINIA OIL GATHERING	852
						Total Waste	16653
			-				
	-		-				
802	24493	#16	37-051-24054	Gennan	Fayette	ADVANCED WASTE SERVICES	8008
802	24493	#16	37-051-24054	German	Fayette	AOP CLEARWATER LLC	1192
802	24493	#16	37-051-24054	German	Fayette	PA BRINE TRT - JOSEPHINE FLT -INDIANA CO	2734
802	24493	#16	37-051-24054	German	Fayette	WEST VIRGINIA OIL GATHERING	1465
			11			Total Waste	1139
	-					100	
	10-1						
802	24494	917	37-051-24055	German	Fayette	ADVANCED WASTE SERVICES	5980
802	24494	017	37-051-24055	German	Fayette	AOP CLEARWATER LLC	3675
802	24494	157	37-051-24055	German	Fayette	APPALACHIAN WATER SERVICES, LLC	1025
802	24494	#17	37-051-24055	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4120
802	24494	m7	37-051-24055	German	Fayette	WEST VIRGINIA OIL GATHERING	1444
-	-		-		-	Total Waste	16249
			_		1	Total Prant	10445
802	24035	7	37-051-24155	Jefferson	Fayette	ADVANCED WASTE SERVICES	273
802	24035	n	37-051-24155	Jefferson	Fayette	FRANKLIN	1218
802	24035	17	37-051-24155	Jefferson	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	26334
802	24035	7	37-051-24155	Jefferson	Fayette	TUNNELTON LIQUIDS COMPANY	462
802	24035		37-031-24105	Jenerson	rayette		
	-	-	-		-	Total Waste	28287
	-	-	-	-	4	-	
	24/06		32 054 24554	1-66	- Country	LOUINCED WASTE STRUCKS	1001
802	24605	/re	37-051-24154	Jefferson	Fayette	ADVANCED WASTE SERVICES	1008
802	24695	#6	37-051-24154	Jefferson	Fayette	FRANKLIN	3607
	24695	113	37-051-24154	Jefferson	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO.	37837
102	24695	m3	37-051-24154	Jefferson	Payette	TUNNELTON LIQUIDS COMPANY	924
	-		-		-	Total Waste	4337)
			-		-		
-				-			
102	22958	m3	37-129-26958	5 Huntingdon	Westmoreland	FRANKLIN	462
	22958	#13	37-129-26958	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	10878
102	2296R	#13	37-129-26958	S Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	462
			1122			Total Waste	11802
	-1					1 4	
	DY						
02	23647	414	37-129-27200	S Huntingdon	Westmoreland	FRANKLIN	924
102	23647	614	37-129-27200	S Huntingdon	Westrooreland	PA BRINE TRT - JOSEPHINE PLT INDIANA CO	7721
	23647	214	37-129-27200	S Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	463
						Total Waste	9114
					1		
02	22460	UT #11	37-129-26836	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	1316
						Total Waste	1314
02 -	22462	OT #13	37-129-26838	5 Huntingdon	Westmoreland	FRANKLIN .	467
	22462	נויג דל		5 Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	546
	22462	TT#13	_	5 Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	155
		****	1	-		Total Waste	1163
_		-	1				2,03
	_		1		1		
07	24360	124	37-129-27503	5 Huntingdon	Westmoreland	FRANKLIH	924
	24360	#24		S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	30647
						TUNKELTON LIQUIUS COMPANY	
02	24360	174	37-129-27503	5 Huntingdon	Westmoreland		1848
			-		1	Total Waste	33419
					-		
			07.054.7:005	27 V.	1-	a shirt was dispatible arm married	
02	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO Total Waste	915 915

Free Free Free Free Free Free Free Free	0-1-20-11-20		1	The second	The park	Topoverties by by	de la constante de
ELYQ	COLUMN	National Name	THE POLICE CO	and convince	Churly	parish Pant	ar, Inial Gallon
102	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	ADVANCED WASTE SERVICES	63
102	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	FRANKLIN	4
02	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	33
UZ	24511	340001 Farita Onic #32h	37-031-24234	Venzinie	rayette		
						Total Wasta	101
02	24312	Jackson Farms Unit #33	37-051-24233	Redstone	Fayette	ADVANCED WASTE SERVICES	- 80
02	24312	Jackson Forms Unit #33	37-051-24233	Redstone	Fayette	IFRANKLIN	30
02	24312	Jackson Farms Unit #33	37-051-24233	Redstone	Fayette	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	155
	234.00	Jacobs Called	0(0)(1)(0)	THE STORE	- I Specie	Total Waste	266
)2	24994	Jackson Farms Unit #36H	37-051-24228	Redstorm	Fayette	ADVANCED WASTE SERVICES	40
12	24994	Jackson Farms Unit #3611	37-051-24228	Redstone	Fayette	PA BRINE TRI - JOSEPHINE PLT -INDIANA CO	11
2	24994	Jackson Farms Unit #36H	37-051-24228	Redstone	Fayette	WEST VIRGINIA OIL GATHERING	1
			1			Total Waste	60
-	+		-	-	+		
2	24308	Jackson Farms UF #29	37-051-24227	Redstone	Fayette	ADVANCED WASTE SERVICES	171
2	24308	Jackson Farms UT 1/29	37-051-24227	Redstone	Fayette	AOF CLEARWATER LLC	25
2	24308	Jackson Farms UT #29	37-051-24227	Redstone	Fayette	APPALACHIAN WATER SERVICES, LLC	7
2	24308	Jackson Farms UT #29	37-051-24227	Redstone	Fayette	FRANKLIN	17
2	2430B	Jackson Farms UT #29	37-051-24227	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	339
2	24308	Jackson Farms UT #29	37-051-24227	Redstone	Fayette	WEST VIRGINIA OIL GATHERING	70
	1					Total Waste	622
_					+		
2	23526	76	37-059-24851	Cumberland	Greene	ADVANCED WASTE SERVICES	36
2	23526	96	37-059-24851	Cumberland	Greene	FRANKLIN	9
2	23526	W6 -	37-059-24851	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	76
2	23526	#6	37-059-24851	Cumberland	Greene	PATRIOT	
	23526	#6	37-059-24851	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	19
					-	Total Waste	145
-	+				1		-
2	24204	7	37-059-24796	Cumberland	Greene	ADVANCED WASTE SERVICES	46
2	247.04	7	37-059-24796	Cumberland	Greene	AUP CLEARWATER LLC	
2	24204	#7	37-059-24796	Cumberland	Greena	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	86
2	24204	#7	37-059-24796	Cumberland	Greene	PATRIOT	3
2	24204	#7	37-059-24796	Cumberland	Greene	WEST YIRGINIA OIL GATHERING	30
_	-				-	Total Waste	171
2	73240 M	JIA.	37-059-25225	Dunkard	Greene	ADVANCED WASTE SERVICES	296
7	23240	MA	37-059-25225	Dunkard	Greane	AOP CLEARWATER LLC	6
2	23240	MA	37-059-25225	Dunkard	Greene	APPALACHIAN WATER SERVICES, LLC	6
2	23240	#1A	37-059-25225	Dunkard	Greene	FRANKLIN	7
1	23240	MA.	37-059-25225	Dunkard	Greune	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	122
	23240	MA	37-059-25225	Dunkard	Greene	WEST VIRGINIA DIL GATHERING	60
		J				Total Waste	504
	23241	2	37-059-25226	Dunkard	Greene	ADVANCED WASTE SERVICES	115
	23241	12	37-059-25226	Dunkard	Greene	AOP CLEARWATER LLC	49
	23241	12	37-059-25226	Dunkard	Greene	APPALACHIAN WATER SERVICES, LLC	9
13	232.41	/2	37-059-25226	Dunkard	Greene	PA BHINE TRT - JOSEPHINE PLT -INDIANA CO	15
7	23241	72	37-059-25226	Dunkard	Greene	WEST VIRGINIA OIL GATHERING	28
_	-					Total Waste	211
	24972	J.715		Dunkard .	Greene	ADVANCED WASTE SERVICES	. 16
	24972	#15		Dunkard	Greene	AOF CLEARWATER LLC	37
100	24972	#15 ·	37-059-25032	Dunkard	Greene	FRANKLIN	
	24972	P15	37-059-25032	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	20
F-3	24972	M15	37-059-25032	Dunkard	Greene	WEST VIRGINIA OIL GATHERING	3
		Tr.				Total Waste	83
_							
	24973	#16		Dunkard	Greene	ADVANCED WASTE SERVICES	29
- 11 7	24973	#16	37-059-25031	Dunkard	Greene	AOP CLEARWATER LLC	30:
	24973	#16	37-059-25031	Dunkand	Greene	FRANKLIN .	
	24973	£16		Dunkard	Greene	PA-BRINE TRT - JUSEPHINE PLT -INDIANA CO	46
	24973	Ø16	37-059-25031	Dunkard	Greene	WEST YIRGINIA DIL GATHERING	4
					1	Total Waste	111
					1		
	-		1				

IX.O	ie i Wallani	.well near	Company of	Towns 6	Lounty	Market and Market Pality	I of a Figure 1
307	24974	#17	37-059-25245	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	357
807	24974	217			77.		
807	24974	21/	37-059-25245	Dunkard	Greene	WEST VIRGINIA DIL GATHERING	151
	+			1	+	Total Waste	823
		_					
102	24978	WZ1H	37-059-25248	Dunkard	Greene	ADVANCED WASTE SERVICES	3351
302	24978	#21H	37-059-25248	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	3166
802	24978	W21H	37-059-25248	Dunkard	Greene	WEST VIRGINIA OIL GATHERING Total Waste	1071 7589
-							
302	24979	#22H	37-059-25249	Dunkard	Greene	ADVANCED WASTE SERVICES	2583
102	24979	#22H	37-059-25249	Dunkard	Greene	FRANKLIN	336
102	24979	#22H	37-059-25249	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	3612
302	24979	#22H	37-059-25249	Dunkard	Greene	WEST VIRGINIA DIL GATHERING	1033
			. 76			Total Waste	7564
			-	-			
02	23078	5 A1	37-051-24195	German	Fayette	ADVANCED WASTE SERVICES	82740
02	23078	V1 -	37-051-24195	German	Fayette	AOP CLEARWATER LLC	5573
02	23078	//1	37-051-24195	German	Fayette	APPALACHIAN WATER SERVICES, LLC	336
02	23078	#1	37-051-24195	German	Foyette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	63120
02	23078	#1	37-051-24195	German	Fayette	WEST YIRGINIA OIL GATHERING	1579
					77,500	Total Waste	22075
					TY-		
02	25106	#4R	37-129-27954	Salem	Westmoreland	ADVANCED WASTE SERVICES	1192
07	25106	#4H	37-129-27964	Salem	Westmoreland	FRANKLIH	9618
02	25106	#4H	37-129-27964	Salem	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	21932
						Yotal Waste	240870
	-						
02	25107	#5	37-129-27942	Salem	Westmoreland	FRANKLIN	4620
02	25107	15	37-129-27942	Salem	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	26166
	I James I					Yoral Waste	30746
-	-				-		
02	23865	9	37-059-24905	Cumberland	Greene	ADVANCED WASTE SERVICES	82950
02	23865	9	37-059-24905	Cumbertand	Greene	AOP CLEARWATER LLC	E4598
02	23865	9	37-059-24905	Cumbertand	Greene	APPALACHIAN WATER SERVICES, LLC	10500
07	23865	79	37-059-24905	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	84462
02	23865	79	37-059-24905	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	15582
		**				Total Waste	258090
02	23925	19	37-051-23981	Redstone	Fayette	ADVANCED WASTE SERVICES	51240
02	23925	19	37-051-23961	Redstone	Fayette	AOP CLEARWATER LLC	41034
02	23925	#9	37-051-23951	Redstone	Fayette .	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	16968
02	23925	19	37-051-23961	Redstone	Fayette	WEST VIRGINIA DIL GATHERING	27342
						Total Waste	136554
	20072	Unit #7H	37 064 24264	German	- Courte	ADVANCED WASTE SERVICES	41177
12	25673	Unit #2H	37-051-24261 37-051-24261	German	Fayette	AOP CLEARWATER LLC	41160 20538
)2	25673	Unit #2H	37-051-24281	German	Fayette	APPALACHIAN WATER SERVICES, ILC	2520
)2	-	Unit #2H	37-051-24261	German	Fayette	FRANKLIN	9240
)2	25673	The second second		German	Fayette		
12	75673	Unit #2H	37-051-24261 37-051-24261	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO WEST VIRGINIA OIL GATHERING	73836
12	25673	UNICAZN	37-031-24201	German	Fayette	Total Waste	165236
2	25674	Unit #3	37-051-24258	German	Fayette	AUVANCED WASTE SERVICES	105/98
2	25674	Unit #3	37-051-24258	German	Fayette	ADP CLEARWATER LLC	49854
2.	25674	Unit #3	37-051-24258	German	Fayette	APPALACHIAN WATER SERVICES, LLC	12390
2	25674	Unit #3	37-051-24258	German	Fayette	FRANKUN	18858
2	25674	Unit #3	37-051-24258	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	85848
2.	25674	Unit #3	37-051-24258	German	Fayette	WEST VIRGINIA DIL GATHERING	42924
	-					Total Waste	315672
				7.7			
2	25675	Unit #4H	37-051-24259	German	Fayette	ADVANCED WASTE SERVICES	39400
2	25675	Unit #411	37-051-24259	German	Fayette	AOP CLEARWATER LLC	25536
2	25675	Unit #431	37-051-24259	German	Fayette	FRANKLIN	2570
	25675	Unit #4H	37-051-24259	German	Fayette	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	31584
2							
2	25675	Unit #4H	37-051-24259	German	Fayette	WEST VIRGINIA OIL GATHERING Total Waste	18850

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_	William	The state of the s			Somety		to alequians
802	24269	Et.	37-129-27504	5 Huntingdon	Westmoreland	ANVAHCED WASTE SERVICES	92
203	24269	96	37-129-27504	5 Huntingdon	Westmoreland	FRANKLIH	46
208	24269	46	37-129-77504	5 Huntingdon	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	1627
802	2,4269	16	37-329-27504	S Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	182
		-				Total Waste	1949
		-					
802	23106	1/2	37-051-23718	German	Fayette	ADVANCED WASTE SERVICES	342
802	23106	72	37-051-23718	German	Fayette	ADP CLEARWATER LLC	136
502	23106	1/2	37-051-23718	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	262
802	23106	In In	37-051-23718	German	Fayette	WEST YIRGINIA OIL GATHERING	97
301	25100		07-001-23710	Gentan	rayette	Total Waste	816
_	_				-		
302	24043	IN1	37-059-25159	Monongahela	Greene	ADVANCED WASTE SERVICES	1436
102	24043	1721	37-059-25159	Mounngahela	Greene	AOP CLEARWATER LLC	23
302	24043	#21	37-059-25159	Monongahela	Greene	APPALACHIAN WATER SERVICES, LLC	107
102	24043	#21	37-059-25159	Monongahela	Greene	FRANKLIN	751
102	24043	h #21	37-059-25159	Monungahela	Greene	PA BRINE-TRT + JOSEPHINE PLT -INDIANA CO	2916
02	24043	17.1	37-059-25159	Monongahela	Greene	WEST VIRGINIA OIL GATHERING	36
						Total Waste	5104
-							
02	24254	Unit #7.4	37-051-24226	German	Fayette	ADVANCED WASTE SERVICES	640
02	24254	Unit #24	37-051-24226	German	Fayette	AOP CLEARWATER LLC	686
02	24254	Unit #24	37-051-24220	Gennan	Fayette	APPALACHIAN WATER SERVICES, LLC	44
02	24254	Unit #24	37-051-24226	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	740
02	24254	Unit #24	37-051-24226	German	Fayette	WEST VIRGINIA DIL GATHERING	140
		- Lance	27.27220		177.511	Total Waste	2257
		7					
02	25616	Unit #34H	37-051-24225	German	Fayette	ADVANCED WASTE SERVICES	90
02	25616	Unit #3411	37-051-24225	German	Fayette	AOP CLEARWATER LLC	41
_		Unit #34H					
02	25616		37-051-24225	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INOIANA CO	189
02	25616	Unit MAH	37-051-24225	German	Fayette	WEST VIRGINIA DIL GATHERING	24
_	-					Total Waste	353
-	25005	נכע זען	37-059-25185	Monongahela	Greene	ADVANCED WASTE SERVICES	1397
02							
02	25405	נמי זען	37-059-25185	Monongahela	Greene	FRANKLIN	91
02	25605	UT #33	37-059-25185	Monongahela	Greene	PA BRINE TRT - JOSEPHINE PLT - INDIANA 1:0	3124
02	25605	or to	37-039-25185	Monongahela	Greene	WEST VIRGINIA OIL GATHERING	250
_	-				1	Total Waste	4663
	2.013	/13	37-051-24210	Nicholson	E	ADVANCED WASTE SERVICES	5464
02	24937				Fayette		
02	24937	#13	37-051-24210	Michalson	Fayette	AOP CLEARWATER LLC	2547
2	24937	#13	37-051-24210	Micholson	Fayette	APPALACHIAN WATER SERVICES, LLC	84
12	24937	: #13	37-051-24210	Nicholson	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	1001
)2	24937	t#13	37-051-24210	Micholson	Fayette	WEST VIRGINIA OIL GATHERING	1325
						Total Waste	1042
2	24077	13	37-051-24058	German	Fayette	ADVANCED WASTE SERVICES	430
2	24077	13	37-051-24058	German	Fayette	AOP CLEARWATER LLC	691
2	24077	#3	37-051-24058	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	36
2	24077	#3	37-051-24058	German	Fayette	WEST VIRGINIA DIL GATHERING	45:
			17	ř T T T	124 - 1	Total Waste	194
-	-				-		-
2	23652	716	37-129-27506	Sewickley	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	Ş.
_				_		Total Waste	84
7 .	23653	717	37-129-27507 37-129-27507	Sewickley Sewickley		ADVANCED WASTE SERVICES FRANKLIN	9:
2	23653		37-129-27507	Sewickley	Westmoretand	PA BRINE TRY - JOSEPHINE PLY -INDIANA CO	146
2	23653	117					
2	7.3653	717	37-129-27507	Sewickley	Westmoreland	TUNNELTON LIQUIDS COMPANY" Total Waste	169
							100
		ns	37-129-27432	5 Huntingdon	Westmoreland	PA BRUNE TRT - JOSEPHINE PLT - INDIANA-CO	20
2	24224	110					-
02	24224	18				Total Waste	309
12	24224	118		7		Total Waste	309
± -				Sewickter	Westmoreland		
7 2	24224 24189 24189	#6 #6	37-129-27497	Sewickley Sewickley	Westmoreland Westmoreland	Total Waste FRANKLIN PA BIUNE TRT - JOSEPHINE PLT -INDIANA CO	129

Waste	A (A) IF (D)		Daven (13/0	- Hayon bin	The Complete	Manuscal Hand	MalGallon
	A A COLOR OF THE	The state of the s	Property of the Party of the Pa	- STANIES IND	Catoling		
	-			-	-	Total Waste	171
				1	-		
					-		
602	7.4838	111	37-051-24208	Redstone	Fayette	ADVANCED WASTE SERVICES	25:
802	24838	11	37-051-24205	Redstone	Fayette	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	166
802	24838	711	37-051-24206	Redstone	Fayette	TUNNELTON LIQUIDS COMPANY	100
я02	24838	PH PH	37-051-24206	Redstone	Fayette	WEST VIRGINIA OIL GATHERING	209
				1	+	Total Waste	2228
	1				-	I Dia waste	1410
	-			-	-		
000	20438		27 051 22000	Budstana	Para san	THE PROPERTY LOCKEDING BY T. BURNANA CO.	
802		16	37-051-23990	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	35
802	20438		37-051-23990	Redstone	Fayette	WEST VIRGINIA OIL GATHERING	40
					4	Total Waste	76
1	- 1						
802	23391	28	37-059-24620	Durikard	Greene	ADVANCED WASTE SERVICES	42
						Total Waste	42
802	25758	Unit #9	37-129-28113	Rostraver	Westmoreland	ADVANCED WASTE SERVICES	432
		Unit #9	37-129-28113	Rostraver		FRANKLIN	
802	25758			-	Westmoreland		472
802	25758	Jait #9	37-129-28113	Rostraver	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	3438
802	25758	Jnit 19	37-120-28113	Rostraver	Westmoreland	TUNNELTON LIQUIDS COMPANY	309
75	1					Total Waste	47031
			4117				
-							
802	24155	11	37-059-24701	Jefferson	Greene	WEST VIRGINIA OIL GATHERING	34
	1			1	-		
	-		_	1	7	Total Waste	. 34
	-		-	-	-		
		-					
802	22699-	114	37-129-26870	Sewickley	Westmoreland	FRANKLIN	840
302	22699	44	37-129-26870	Sewickley	Westmoreland	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	27R
						Total Waste	3620
802	23934	UT #13	37-129-27277	5 Huntingdon	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	315
-		-				Total Waste	315
_	-		-	1		Total Wall	
	1		_	-	-		
	100000		27 852 33237	D-t	15	DI BOLLETTY POSSESSED DIT MOUNT SO	
802	23122	1000	37-051-23727	Dunbar	Fayette	PA BRINE TAT - JOSEPHINE PLT -INOIANA CO	210
	-		-			Total Wane	210
302	73773	729A	37-059-24384	Dunkard	Greene	ADVANCED WASTE SERVICES	189
		7.5	100	1		Total Waste	285
		A					
802	23274	#30	37-059-24385	Dunkard	Greene	ADVANCED WASTE SERVICES	2709
802	23274	730	37-059-24385	Dunkard	Greene	AOP CLEARWATER LLC	403
	23274	730	37-059-24385	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	1470
802							
102	23274	F30	37-059-24385	Dunkard	Greene	WEST VIRGINIA OIL GATHERING	1344
	1750				4	Total Weste	5920
	1						
102	23275	731	37-059-24386	Dunkard	Greene	ADVANCED WASTE SERVICES	2520
302	23275	31	37-059-24386	Dunkard	Greene	AOP CLEARWATER LLC	2016
	23275	21	37-059-24386	Dunkard	Greene	PA BRINETRY - JOSEPHINE PLT -INDIANA CO	1869
	23275	31	37-059-24386	Dunkard	Greene.	WEST VIRGINIA OIL GATHERING	915
- L	23213		U-035-7-1900	- James J	- Income		
				-	-	Total Waste	7324
					-		
			-	-	1.7		
302	23276	#37.A	37-059-24387	Dunkard	Greene	ADVANCED WASTE SERVICES	1554
	23276	#32A	37-059-24387	Dunkard	Greene	AOP CLEARWATER LLC	1150
02	23276	732A	37-059-24387	Dunkard	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	105
		32A	37-059-24387	Dunkard	Greene	WEST YIRGINIA OIL GATHERING	453
102	23276				1		
102	23276				-	Toral Waste	3263
102	23276		_				
102	23276				-		
102							
102	23276	MI)	37-059-24458	Dunkard	Greene	WEST YIRGINIA OIL GATHERING .	
102		733	37-059-24458	Dunkard	Greene	WEST YIRGINIA OIL GATHERING . Total Waste	
102		7 33	37-059-24468	Dunkard	Greene		
102		V33	37-059-24458	Dunkard	Greene		
02	23306	-	*	Dunkard	Greene		352
02		P33				Total Waste WEST VIRGINIA OIL GATHERING	352 352
802 802	23306	-	*			Total Waste	352
02	23306	-	*			Total Waste WEST VIRGINIA OIL GATHERING	352
02 02 02 02 02	23306	-	37-059-24492			Total Waste WEST VIRGINIA OIL GATHERING	352

Vias	Contract of	in Well-Danie	Pronisk	- Tewnship	theolity:	Disposal Points	Total Saliens
302	23309		37-059-24480				
		36			Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	420
02	23309	36	37-059-24480	Dunkard	Greene	WEST YIRGINIA OIL GATHERING	1129
_						Total Waste	3620
102	23310	37	37-059-24642	Dunkard	Greene	AOP CLEARWATER LLC	399
_	. 1					Total Waste	399
_	-		-	-	-	Italia waste	399
_		-	-	-	-	V =-	
			-	-			
802	25650	1	37-129-27988	S Huntingdon	Wexmoreland	ADVANCED WASTE SERVICES	441
802	25650	12	37-129-27988	S Huntingdon	Westmoreland	FRANKLIN	1331
302	25650	n	37-129-27988	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	15308
802	25650.	1	- 37-129-27988	5 Huntingdon	Westmoreland	TUNNELTON LIQUIOS COMPANY	1176
	Luapo.	-	100 223 223 20	o monthiguesi	Treatment and		
_	_		_	-	-	Total Waste	19756
	-		-	-		-	
				-			
802	25651	/82	37-129-27989	5 Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT. INDIANA CO	819
	100					Total Waste	819
_	_						
-	-		-	-	-		
	-			-	-	to the same and th	
102	21795	14	37-059-24904	Cumberland	Greene	ADVANCED WASTE SERVICES	8542
0.1	21795	V-I	37-059-24904	Cumberland	Greene	AOP CLEARWATER LLC	8379
02	21795	114	37-059-24904	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	120
02	21795	14	37-059-24904	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	7828
_	21795	M		Cumberland	-	The second secon	
02	21795		37-059-24904	Lumbelland	Greene	WEST VIRGINIA OIL GATHERING	5182
	1 1 1	V = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				Total Waste	30353
		1					
	-		1				
02	25769	14 MA	37-051-24266	Springhill	Fayette	ADVANCED WASTE SERVICES	5623
102	25769	14	37-051-24266	Springhill	Fayette	FRANKLIN	504
102	25769	IA .	37-051-24266	Springhfill	Fayette .	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	26468
02	25769	24	37-051-24266	Springhill	Fayette	WEST YIRGINIA OIL GATHERING	730
	_	-				Total Waste	33327
_	_	-		-	-	Total stable	33327
_			_	-	-		
-	10000		100000		-		
02	25853	W20	37-059-25302	Jefferson	Greene	ADVANCED WASTE SERVICES	5636
02	25853	#20	37-059-25352	Jefferson	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	12423
02	25853	W72.U	37-059-25362	Jefferson	Greenz	WEST YIRGINIA DIL GATHERING	478
	-		1	-		Total Wares	
_	-			-	+	Total Waste	185381
	-			5			
	H.						
02	24045	#10	37-059-24828	Jefferson	Greene	ADVANCED WASTE SERVICES	18050
02	24045	W10	37-059-24828	Jefferson	Greene	AOP CLEARWATER LLC .	2704
02	24045	#10	37-059-24828	Jefferson	Greene	APPALACHIAN WATER SERVICES, LLC	4200
_							
02	24045	#10	37-059-24828	Jefferson	Greene	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	2377
02	24045	#10	37-059-24828	Jeiferson	Greene	WEST VIRGINIA OIL GATHERING	10551
	1		- A	77.3	172	Total Waste	83741
_			1				
	-		-				-
_	70000		27 050 6 1005	Later and the same of the same	-	ADMINISTRAÇÃO MASTE CERMICITE	****
02	22816	10 10	37-059-24826	Jefferson	Greene	ADVANCED WASTE SERVICES	61488
7	22816		37-059-24826	Jelferson	Greene	AOP CLEARWATER LLC	16926
02	22816	J#8	37-059-24826	Jefferson	Greene	APPALACHIAN WATER SERVICES, LLC	4200
02	22816	us.	37-059-24826	Jefferson	Greene	PA HRINE TRT - JOSEPHINE PLT -INDIANA CO	31458
-	-	-					
	+		-			Total Waste	114072
_		-		-	-		
			-	-			
2	2,4040	20	37-059-24827	Jefferson-	Greene	ADVANCED WASTE SERVICES	79374
2	24040	77	37-059-24827	Jefferson	Greene	AOP CLEARWATER LLC	44814
22	24040	19	37-059-24827	Jefferson		PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	2528/
12	24040	F9	37-059-24827	Jufferson	Greene	WEST VIRGINIA OIL GATHERING	14117
×	21010		31-003-24021	Pullerson			
			4			Total Waste	157584
	-						Y T
						Programme and the second secon	
12	25724	National Mines Corp. #26H	37-051-24365	Luzeme	Fayette	ADVANCED WASTE SERVICES	22890
12	25924	National Mines Corp. #26H	37-051-24365	Luzeme	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4200
		National Mines Corp. #26H					
2	25924	mational wanes Corp. #26H	37-051-24365	Luzerne	Fayette	WEST VIRGINIA OIL GATHERING	2562
						Total Waste	29651
_	1						
-	77070	The state of the s	27.054.22004	Washington	Favores	FRANKLIN	1400
7	. 23979	J/8		Washington	-		13860
2	23979	FB	37-051-23984	Washington		PA BRUNE TRT - JOSEPHINE PLT - INDIANA CO	312648
2	23979	38	37-051-23984	Washington	Fayette	TUNNELTON LIQUIDS COMPANY	9240
_	-					Total Waste	335746
_		-	1			The course of th	233/46
	-		-		1		
	100						
			TOT OF A SHIPL	Washington	Fayette	ADVANCED WASTE SERVICES	3570
2	24036	479	37-051-24104	A WOLLING COME			
2	24036 24036	119		Washington		FRANKUN	17052

-	NE .	e de la companya de l		T la jan	700	Dismonal Point	Totalsalisis
	a Walling	Work Name	Parmit	E STOWNER OF	- Konelya-		
_	-		-		-	Total Waste	32881
				-			
					-		
302	21230	728	37-051-23452	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	231
			A 180 CT	1		Toral Waste	231
			11		10-		
100	_		-		-		
203	21231	733	37-051-23573	Washington	Fayette	ADVANCED WASTE SERVICES	420
802	21231	V33	37-051-23573	Washington	Fayette	FRANKLIN	462
802	21231	713	37-051-23573	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	18219
802	21231	/33	37-051-23573	Washington	Fayette	TUNNELTON LIQUIDS COMPANY	2709
						Total Waste	21810
							A
				1	4		
802	23887	#36	37-051-23940	Washington	Fayette -	ADVANCED WASTE SERVICES	420
802	23887	#36	37-051-23940	Washington	Fayette	AOP CLEARWATER LLC	449
802	23887	#36	37-051-23940	Washington	Fayette	FRANKLIN	1218
802	23887	#35	37-051-23940	Washington	Fayette	PA BRINE TRY - JOSEPHINE PLT - INDIANA CO	10500
802	23887	#36	37-051-23940	Washington	Fayette	TUNKELTON LIQUIDS COMPANY	1092
1	2000	W. 2	STATE OF THE	1		Total Waste	13780
	1			1.0			
802	24173	14	37-129-27394	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INIMANA CO	714
-		- T. T				Total Waste	714
-	-						/44
	1				1		
802	22827	#2	37-051-23754	Dunbar	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	193
-	-				1	Total Waste	193
-	-		-	-		Total wante	493
-	-						
R02	23382	7	37-059-24654	Cumberland	Greene	ADVANCED WASTE SERVICES	39135
802	23382	17	37-059-24554	Cumberland	Greene	AOP CLEARWATER LLC	13658
802	23382	97	37-059-24554	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	483
802	23382	77	37-059-24554	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	2940
	23382	77	37-059-24554	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	4120
802	23.302	"	31-009-24054	Curnoeriano	Greene		
	1		4		-	Total Waste	60337
_					-		
	_			-			
802	23383	8%	37-059-24849	Cumberland	Greene	ADVANCED WASTE SERVICES	236230
802	23383	48	37-059-24649	Cumberland	Greene	AOP CLEARWATER LLC	8362
502	23383	#8	37-059-24649	Eumbertand	Greene	APPALACHIAN WATER SERVICES, LLC	483
602	23383	18	37-059-24549	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	3599
802	23383	88	37-059-24649	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	3708
		3.100 mm				Total Waste	39778
		4.7					19 110
-	0 000						
102	23384	19	37-059-25114	Cumberland	Greene	ADVANCED WASTE SERVICES	297691
102	23384	79	37-059-25114	Cumberland	Greene	AOF CLEARWATER LLC	12717
102	23384	19	37-059-25114	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	13230
102	23384	79	37-059-25114	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	30293
TOZ.	23384	19	37-059-25114	Cumberland	Greene	WEST YIRGINIA OIL GATHERING	43764
-	7		1			Total Waste	51214
	1111						
02 -	24174	T #20	37-129-27566	S Huntingdon	Westimoreland	ADVANCED WASTE SERVICES	4830
02	24174	T#20		S Huntingdon	A CONTRACTOR OF	FRANKLIN	2091
02	24174	F #20	37-129-27565	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	288624
02	24174	T #20	37-129-27566	S Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	32340
02	24174	MEG	D/- 120-27 GOO	2 holdigeat	Trestifica etaila		346710
_	4	-	+			Total Waste	346/10
_	-		-	-	-		
	14175	F #21	37-129-27567	5 Huntingdon	Westmoreland	ADVANCED WASTE SERVICES	
02	24175		37-129-27567			APPALACHIAN WATER SERVICES, LLC	4620
02	The Party Street	F #21		S Huntingdon	Westmoreland		market and the second
02	24175	B21	37-129-27507	S Huntingdon	Westmoreland	FRANKUN	12380
02	24175	#21	37-129-27567	5 Huntingdon	Westinoreland	PA BRUNE TRY - JOSEPHINE PLT -INDIANA CO	26653
02	24175	F #21	37-129-27567	S Huntingdon	Westmoreland	TUNNELTON LIQUIUS COMPANY	25410
	-		1		-	Total Waste	31336
4						2	
02	24083		37-051-23960	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	348
		-0.7				Total Waste	348
	11						
	10		100000000000000000000000000000000000000	1 - 1 - 1			- Comment
02	24834	H .	37-051-24252	Lower Tyrone	Fayette	ADVANCED WASTE SERVICES	3570
02	24834	in	37-051-24252	Lower Tyrone	Foyette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	15800
			1		1	Total Waste	20370

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	- You (U)	y well-keine	· Rurmit#	The state of the s		Disposal Point	Total Gallens
RO3	25197	AL ASH	17-051-24257	Lower Tyrone	Fayette	PA BRINE TRT - JOSEPHINE PLT INDIANA CO	
802	25197	E #3H	37-051-24257	Lower Tyrone	Fayette	WEST YIRGINIA OIL GATHERING	1255 2709
001	1200	1.4.20	37-031-24237	LOWER TYTORE	Payette	Total Waste	3864
			1		1		3001
		-					
802	22132	PI	37-059-24229	Greene	Greene	PA BRINETRY - JOSEPHINE PLT -INDIANA CO	2793
802	22132	741	37-059-24229	Greens	Greene	WEST YIRGINIA OIL GATHERING	2507
	-	-		-	-	Total Waste	5300
	+	-		-		1	
302	24824	1017	37-051-24125	Luzerne	Fayette	ADVANCED WASTE SERVICES	8530
802	24824	107	37-051-24125	Luzeme	Fayette	PA BRINE TRT - JOSEPHINE PLT INDIANA CO	3192
802	24024	h 127	37-051-24125	Luzerne	Fayette	WEST VIRGINIA OIL GATHERING	2504
. dr						Total Waste	13326
					10.		
OIL -	-		1000000			1	
102	25027	Unit #30	37-051-24231	Washington	Fayette	ADVANCED WASTE SERVICES	2415
802	25027	Unit #30	37-051-24231	Washington	Fayette	PA BRUNE TRT - JOSEPHINE PLT -INDIANA CO	1226
802	25027	0 Unit #30	37-051-24231	Washington	Fayette	TUNHELTON LIQUIDS COMPANY	30198
802	23027	T ORIL MOD	37-031-24231	Treating Cut	rsyette	Total Warte	34301
	-	-			1	lotal waite	34301
	1						
802	24823	UT #26	37-051-24124	Luzeme	Fayette	ADVANCED WASTE SERVICES	11243
803	24823	UT #26	37-051-24174	Luzeine	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4011
502	24823	UT #26	37-051-24124	Luzeme	Fayette	WEST YIRGINIA OIL GATHERING	2608:
				46 15		Total Waste	17862
	-			-			
200	25026	OT 129	37-051-24249	Washington	Cumbe	ADVANCED WASTE SERVICES	179.50
802	25026	UT #29	37-051-24249	Washington	Fayette Fayette	APPALACHIAN WATER SERVICES, LLC	171900 8400
302	25026	UT #29	37-051-24249	Washington	Fayette	FRANKLIN	2965
102 .	25026	UT #29	37-051-24249	Washington	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	26073
102	25026	UT #29	37-051-24249	Washington	Fayette	TUNNELTON LIQUIDS COMPANY	2755
107,	25026	UT #29	37-051-24249	Washington	Fayette	WEST YIRGINIA OIL GATHERING	11500
						Total Waste	509754
-							
102	21626	Rich Farms #7	37-051-23451	Springhill	Fayette	WEST YIRGINIA OII, GATHERING	256
	-		_		-	Totol-Waste	256
	-	200	-		1		
02	23183	M16H	37-125-23339	Robinson	Washington	HUNTERS	12175
02	23183	F16H	97-125-23399	Kobinson	Washington	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	5670
02	23183	M3611	37-125-23339	Robinson	Washington	WEST VIRGINIA OIL GATHERING	101560
						Total Waste	1143030
		1	27 405 20025	0.16	nth abdition	luis record	
02	23184	D17 D17	37-125-22816	Robinson	Washington	WEST VIRGINIA OIL GATHERING	5250 89082
02	23104	1.11	37-123-22010	Accessor	Mashington	Total Waste	9433
	-					Total Walte	2433
-							
07	24920	#19H	37-125-23934	Robinson	Washington	HUNTERS	19140
02	24920	##19H		Robinson	Washington	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO	1890
07	24920	U #19H	37-125-23934	Robinson	Washington	WEST YIRGINIA DIL GATHERING	61454
- 15					-	Total Waste	665574
	-						
02	25235	C by	37-051-24208	Springhill	Fayette	ADVANCED WASTE SERVICES	30534
02	25235	29	37-051-24208	Springhill	Fayette	AOF CLEARWATER LLC	24738
02	25235	729	37-051-24208	Springhill	Fayette -	APPALACHIAN WATER SERVICES, LLC	9030
02	25235	129	37-051-24208	Springhill	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	161490
02	25235	N #29	37-051-24208	Springhill	Fayette	WEST VIRGINIA DIL GATHERING	12054
						Total Waste	237846
						1	
		-	47 444		****	Leavinger Wileys	
02	24295	UT M8	37-059-25314	Cumberland	Greene	ADVANCED WASTE SERVICES	158711
02.	24295	UT #18	37-059-25314 87-059-25314	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	21550
)2	24295	UT PIS	37-059-25314	Cumberland Cumberland	Greene :	WEST VIRGINIA OIL GATHERING	122976
14	47473		V035-20514	Carrier wind	GI CELIE	Total Waste	324450
		7.				I Walte	324730
	-						
02	25304	TT 1/8	37-129-20084	Sewickley	Westmoreland	ADVANCED WASTE SERVICES	24521
/4	25304	JT #8	37-129-28084	Sewickley	Westmoreland	FRANKLIH	61320
		UT #8	37-129-28084	Sewickley	Westmoreland	YA BRINE TRY - JOSEPHINE PLT -INDIANA CO	514962
02	25304 25304	T IN		Sewickley	Westmoreland	TUNNELTON LIQUIDS COMPANY	4620

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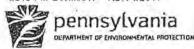
	io Wall lo	Wolf Name	Pomile	· I orangajara	COUNT	planouslange	John Gallon
802	25304	UT 278	37-129-25084	Sewickley	Westmoreland		4
,uz	23300	01.80	31-125-20001	Seleichie	Wesdikvetalio		
_					-	Total Waste	610
	1					1	
02	23651	177	37-129-27501	Suwickley	Westmoreland	ADVANCED WASTE SERVICES	. 4
02	23651	N7	37-129-27501	Sewickley	Westmoreland	FRANKLIN	11
02	23651	117	37-129-27501	Sewickley	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CD	116
02	23651	1 37	37-129-27501	Sewickley	Westmoreland	TUNNELTON LIQUIDS COMPANY	- 4
				11		Total Waste	197
	-			237	-	Lauringen Milesen seamers	
02	23700	3/8	37-129-27431	Sewickley	Westmoreland		- 4
02	23700	#8	37-129-27431	Sewickley	Westmoreland	FRANKLIN	19
02	23700	1/8	37-129-27431	Sewickley	Westmoreland		129
02	23700	#B	37-129-27431	Sewickley	Westmoreland	TURNELTON LIQUIDS COMPANY	4
_	-			-	-	Total Waste	159
_							
02	23741	UT #4	37-125-23711	Deemston	Washington	ADVANCED WASTE SERVICES	157
02	23741	UT #4	37-125-23711	Deemston	Washington	FRANKLIN	4
02	23741	UT #4	37-125-23711	Decension	Washington	PA BRUNE THT - JOSEPHINE PLT -INDIANA CO	118
2	23741	D UT #4	37-125-23711	Deemston	Washington	WEST YIRGINIA OIL GATHERING	37
	-					Total Waste	318
							-1-3-2-5-1
07	23650	n	37-129-27316	S Huntingdon	Westmoreland	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	. 1
						Total Waste	4
					1 2000		
02	24756	Unit #/H	37-129-27982	Sewickley	Westmoreland	ADVANCED WASTE SERVICES	A
02	24756	Unit #7H	37-129-27982	Sewickley	Westmoreland	PRANKLIN .	A
02.	24756	Unit #711	37-129-27982	Sewickley	Westmoreland	PA BRINETAT - JOSEPHINE PLT - INDIANA CO	143
_	-		-	-	-	Total Waste	152
-							
02	2.4895	Unit #8	37-129-27983	Sevrickley	Westmoreland	ADVANCED WASTE SERVICES	4.
02	24895	Unit #B	37-129-27983	Sewickley	Westmoreland	FRANKLIN -	2.
02	24895	Unit #8	37-129-27983	Sewickley	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	72
	1	-	-			Total Waste	794
	-	75		-			
02	22850	FZA	37-129-27331	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	- 4
-	12200	-		- managaan	7.	Total Waste	. 4
_						-	
				-			
)2	23165	1/22	37-051-23687	Redstone	Fayette	ADVANCED WASTE SERVICES	227
02	23165	1/2.2	37-051-23687	Redstone	Fayette	AOP CLEARWATER LLC	17
02	23165 -	M2Z	37-051-23687	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	48
)2	23165	1122	37-051-23687	Redstone	Fayette	WEST YIRGINIA DIL GATHERING	4:
					1	Total Waste	493
-		Total Control		-			
2	23166	/23	37-051-23688	Redstone	Fayette	ADVANCED WASTE SERVICES	455
2	23166	/23	37-051-23688	Redstone	Fayette	AOP CLEARWATER LLC	- 4
2	23166	1/23	37-051-23688	Redstone	Fayette	PA BRUNE TRT - JOSEPHINE PLT - INDIANA CO	47
2	23166	1723	37-051-23688	Redstone	Fayette	WEST VIRGINIA OIL GATHERING Total Waste	990
						Total Waste	990
_		TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS					
2	23926	UT #24	37-051-24062	Redstane	Fayette	ADVANCEO WASTE SERVICES	676
2	23926	Ul. 124	37-051-24062	Redstone	Fayette	AOF CLEARWATEH ILC	430
2	23926	UT #24	37-051-24062	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	15
2	23926	UT 124	37-051-24062	Redstone	Fayette	WEST VIRGINIA DIL GATHERING	205
						Total Waste	146
-							
				1			
2	22423	121	37-129-27508	Salem	Westmoreland	FRANKLIN	3:
2	22423	מו	37-129-27508	Salem	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	21
_	-				1-1-	Total Woste	
-			-		-		
2	23857	WH	37-051-24098	Henry Clay	Fayette	ADVANCED WASTE SERVICES	390
2	23852	WFI	37-051-24098	Henry Clay	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	21
2	23852	J, Wat	37-051-24098	Henry Clay	Fayette	WEST VIRGINIA OIL GATHERING	186
_				7		Total Waste	504
					1		
				5	1		
	24557	#5	37-129-28008	5 Huntingdon	Westmoreland	ADVANCED WASTE SERVICES	36

Warsi	West C	Wall-Namo	Pormité	1 the average	G to he work at the	17 N. Disposal Pomi	THE PERSON NAMED IN
		ecan-tyaruo-					mini-dallons
105	24557	5	37-129-28008	-	Westmoreland		30
62	24557	3	37-129-28008	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	360
102	24557		37-129-26008	S Huntingdon	Westmoreland	WEST VIRGINIA DIL GATHERING	
						Total Waste	132
				1			
02	24152	M17	37-059-24693	Jefferson	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	4
						Total Waste	4
02	2452		77 050 74604	Latternan	C	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	
14.	24153		37-059-24694	Jefferson	Greene		11
-					-	Yotal Waste	11
2	24154	119	37-059-25162	Jefferson	Greene	ADVANCED WASTE SERVICES	50
	24154	719	37-059-25162	Jefferson	Greene	FRANKLIN .	
7						the second secon	12
))	24154	219	37-059-25162	Jefferson	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	217
2	24154	119	37-059-25162	Jefferson	Greene	WEST VIRGINIA OIL GATHERING Total Waste	15
				T			
2	22847		37-059-24394	Cumberland	Greene	ADVANCED WASTE SERVICES	24
2	22847	4	37-059-24394	Cumberland	Greene	ACP CLEARWATER LLC	28
2	22847	4	37-059-24394	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	4
2	. 22847	4	37-069-24394	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT -INDIANA CO	4
2	22847		37-059-24394	Cumbertand	Greene	WEST VIRGINIA OIL GATHERING	16
	22047	-	37-100-24364	Cumbertant	Greene		
_	+					Total Waste	77
2	25887	1	37-051-24284	Franklin	Fayette	ADVANCED WASTE SERVICES	8
			37-051-24284		+		
)2	25887		37-031-24284	Franklin	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO Total Waste	- 8
						Tittal Waste	16
2	23981	45	37-051-23925	Redstone	Fayette	ADVANCED WASTE SERVICES	6
	23981	115	37-051-23925	Redstone	Fayetto	HUNTERS	
2			_		-		3
12	23981	<i>b</i> 5	37-051-23926	Redstone	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	170.
12	23981	NS .	37-051-23926	Redstone	Fayette	TURNELTON'LIQUIDS COMPANY	23
)2	23981	rs	37-051-23926	Redstone	Fayette	WEST VINGINIA OIL GATHERING	2030
12	24327	V 3	37-051-24009	German	Fayette	ADVANCED WASTE SERVICES	1111
2	24327	73	37-051-24009	German	Fayette	AOP CLEARWATER LLC	63
2	24327	93	37-051-24009	German	Fayette	APPALACHIAN WATER SERVICES, LLC	4:
2	24327	#3	37-051-24009	German	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	28
2	24327	#3	37-051-24009	German	Fayotte	WEST VIRGINIA OIL GATHERING	350
-	24321		37-931-24003	Oci man	rayatta	Total Waste	242
			1				
2	24430	12	37-059-25161	Cumberland	Greene	ADVANCED WASTE SERVICES	114
2	24430	12	37-059-25161	Cumberland	Greene	FRANKLIN	24
2	24430	F2	37-059-25161	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	444
	24430	r2	37-059-25161	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	R
2	24430	2	37-031-23161	Compensario	Greene	Total Waste	592
2	25389	.01	37-129-28123	Sewickley	Westmoreland	ADVANCED WASTE SERVICES	170
2	25389	#1	37-129-28123	Sevickley	Westmoreland	FRANKLIN	131
2	25389	in .	37-129-28123	Sewickley	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	155
	7.23			200	A 1	Total Waste	47
C	24047	#3 ·	37-059-25155	Cumberland	Greene	ADVANCED WASTE SETVICES	78
	24047	N3	37-059-25155	Cumberland	Greene	AOF CLEARWATER LLC	261
	24047	13	37-059-25155	Cumberland	Greene	APPALACITIAN WATER SERVICES, LLC	5:
	24047	1/3	37-059-25155	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	49
_	24047	#3	37-059-25155	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	400
						Total Waste	198
				-		- 80	
	23359	19	37-059-24820	Cumberland	Greene	ADVANCED WASTE SERVICES	189
7-11	21359	19	37-059-24820	Cumbertand	Greene	AOP CLEARWATER LLC .	80
	23359	19	37-059-24820	Cumberland	Greene	APPALACHIAN-WATER SERVICES, LLC	41
0-5	-	19	37-059-24820	Cumberland	Greene	PA BRINE TRY - JOSEPHINE PLT: -INDIANA CO	335
	123333	Andrew Control of the					
	23359	79	37-059-24820	Cumberland	Greene	IWEST VIRGINIA OIL GATHERING	C17
	23359	19	37-059-24820	Cumberland	Greene	WEST VIRGINIA DIL GATHERING Total Waste	360

EVA		I see a				The second of th	The state of the s
E y	Y Wellie	Melle Nambe	. Particina	township	- Region	Disposit Polici	- PotallSallons
		A STATE OF THE STA					
802	205345		Meter Station	Deemston	Washington	ADVANCED WASTE SERVICES	147
802	205345	1 1	Meler Station	Deemston	Washington	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	84
802	205345		Motor Station	Deemston	Washington	WEST VIRGINIA DIL GATHERING	134
						Total Waste	365
802	23528	716	37-059-24644	Cumberland	Greene	ADVANCED WASTE SERVICES	99204
802	23528	716	37-059-24644	Cumberland	Greene	AOP CLEARWATER LLC	6539
802	23528	W16	37-059-24844	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	2524
802	23528	#16	37-059-24644	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	4359
-						Total Waste	293430
802	23530	Té-18	37-059-24708	Cumberland	Greene	ADVANCED WASTE SERVICES	39541
802	23530	#18	37-059-24708	Cumberland	Greene	ADP CLEARWATER LLC	4737
102	23530	#18	37-059-24708	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	4200
102	23530	618	37-059-24708	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	26250
102	23530	#18	37-059-24708	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	45731
						Total Waste	163217
802	22270	#19A	37-059-24709	Cumberland	Greene	ADVANCED WASTE SERVICES	54894
302	22270	Ø19A	37-059-24709	Cumberland	Greene	AOP CLEARWATER LLC	39724
102	22270	MISA	37-059-24709	Cumberland	Greane	PA BRUNE TRT - JOSEPHINE PLT - INDIANA CO	29904
802	22270	/19A	37-059-24709	Cumberland	Greene	WEST VIRGINIA OIL GATHERING	27510
.5.5						Total Weste	151037
					-	Landing water controls	
102	23673	720	37-059-24645	Cumberland	Greene	ADVANCED WASTE SERVICES	67158
102	23673	#20	37-058-24645	Cumberland	-	AOP CLEARWATER LLC	39396
102	23673	#20	37-059-24845	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT - INDIANA CO WEST VIRGINIA OIL GATHERING	23226
102	23673	#20	37-059-24645	Cumdenand	Greene		, 23478
						Total Woste	153258
902	24739	23	37-059-25035	Cumberland	Greene	ADVANCED WASTE SERVICES	52824
307	24739	123	37-059-25035	Cumberland	Greene	AOP CLEARWATER LLC	31962
002	24739	1723	37-059-25035	Cumberland	Greene	APPALACHIAN WATER SERVICES, LLC	3990
302	24739	#23	37-059-25035	Cumberland	Greene	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	17640
302	24739	#23	37-059-25035	Cumberland	Greene	WEST VIRGINIA DIL GATHERING	43050
					4	Total Wasta	179466
102	24740	124	37-059-24998	Jefferson	Greene	ADVANCED WASTE SERVICES	117474
102	24740	1/24	37-059-24998	Jefferson	Greene	ADP CLEARWATER LLC	53676
02	2.4740	1724	37-059-24998	Jefferson	Greenu	PA BRINE TRT - JOSEPHINE PLT - HOIANA CO	3990
102	24740	724	37-059-24998 37-059-24998	Jefferson	Greene	WEST VIRGINIA OIL GATHERING	28644
302	24740	24	37-039-24898	Jensen	Greene	Total Waste	36624 240408
					1		
D2	26048	Unit #20H	37-129-28264	5 Huntányckon	Westmoreland	ADVANCED WASTE SERVICES	3276
07.	26048	Unit #20H	37-129-28264	5 Huntingdon	Westmoreland	FRANKLIN	4494
02	26048	Unit #2011	37-129-28264	5 Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	8464
03	2.6048	Unit FIRM	37-129-28264	S Huntingdon	Westmoreland	Total Waste	19992
			-		-		
02	24410	1/27	37-051-24247	Springbill	Fayette	ADVANCED WASTE SERVICES	73290
02	24410	#27	37-051-24247	Springhtll	Fayette	AOP CLEARWATER LLC	31248
02	24410	W27	37-051-24247	Springhlil	Fayette	FRANKLIN	13020
02	24410	N2.7	37-051-24247	Springhitt	Fayette .	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	254308
02	24410	1127	37-051-24247	Springhill	Fayette	WEST VINGINIA OIL GATHERING Total Waste	15330
_			8.			IDCAL WASLE	20/190
02	25855	75H .	37-125-23962	Deemston	Washington	ADVANCED WASTE SERVICES	12852
02	25855	#5H	37-125-23962	Desmiton	Washington	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	6426
2	25855	#5H	37-125-23962	Deemston	Washington	WEST VIRGINIA DIL GATHERING	4872
		~	1, 1, 2, 1, 1, 1			Total Waste	24150
-							
02	23267	#3	37-051-23989	Hicholson	Fayette	ADVANCED WASTE SERVICES	103362
)2	23267	(83	37-051-23989	Nicholson	Fayette	APPALACHIAN WATER SERVICES, LLC	7560
)2	23267	113	37-051-23989	Hicholson	Fayette	FRANKLIN	4620
12 .	23267	¥ #3	37-051-23989	Hicholson	Fayette	PA BRINE THY - JOSEPHINE PLT -INDIANA CO	142800
	23267	y#3	37-051-23989	Nicholson	Fayette	WEST VIRGINIA OIL GATHERING	61530

	e Walt-ID	Wishbook		Troversore	or Cyronty	The state of the s	Total-Galloon
-138	Line	MANAGE CONTRACTOR	The state of the s	Lanishiphi	TAY OF THE PARTY O	Total Waste	31987
						Jibla Waste	21301
	-	Marie .			-		
502	25247	Mnit #4	37-051-24216	Hicholson	Fayette	ADVANCED WASTE SERVICES	20764
102	25247	nit #4	37-051-24216	Nicholson	Fayette	ADF CLEARWATER LLC	7131
102	25247	nlt #4	37-051-24216	Nichalson	Fayette	APPALACHIAN WATER SERVICES, LLC	672
602	2524/	oft #4	37-051-24216	Hichalson	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	10163
802	25247	pit #4	37-051-24216	Nicholson	Fayette	WEST VIRGINIA OIL GATHERING	6161
	1242.0	-	5. 55. 4.4.0	100001100	1	Total Waste	44898
						TMINI PPASSE	44030
	-						
102	24177	73	37-129-27568	5 Huntingdon	Westrnoreland	ADVANCED WASTE SERVICES	4200
102	24177	#3	37-129-27563	5 Huntingdon	Westmoreland	FRANKLIN	1281
02	24177	II)	37-129-27568	S Huntingdon	Westmoreland	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	12570
02	2417/	#3	37-129-27568	S Huntingdon	Westmoreland	TUNNELTON LIQUIDS COMPANY	756
						Total Waste	15027
			-1 1				
	-	-					
02	24507	п,н	37-051-24200	North Union	Fayette	ADVANCED WASTE SERVICES	11760
102	24507)T III	37-051-24200	North Union	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	503244
					-	Total Waste	\$1500
102	22153	nit #2	37-051-24052	Springhill	Fayette	ADVANCED WASTE SERVICES	42966
02	22153	Onit #2	37-051-24052	Springhill	Fayette	ADP CLEARWATER LLC	5128
102	22153	boit #2	37-051-24052	Springhill	Fayette	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	48174
02	22153	July 1/2	37-051-24052	Springhill	Fayette	WEST VIRGINIA DIL GATHERING	44394
-	122730			-p-ingrini	14/5/11	Total Waste	186816
_	1	71	-			Total Waste	10081
				~	-		
_							
	1						
						ADVANCED WASTE SERVICES	10366790
						ADF CLEARWATER LLC	3167768
			1			APPALACHIAN WATER SERVICES, LLC	263004
				1		D & L Energy Inc.	12180
				1 Sec. 1		FRANKLIN	1130220
						HUNTERS	278922
			1	7	E	PA BRINE TRT - JOSEPHINE PLT -INDIANA CO	18071807
						PATTUOT	10711
-						TUNNELTON LIQUIDS COMPANY	485562
						WEAVERTOWN EYN GROUP	3780
	7-7					WEST VIRGINIA DIL GATHERING	6974051
						Facilities Grand Total	40764794

Exhibit 2C



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 at	r legibly ttached	y printed in the s	spaces p	rovided. It	f additional s ne item num	uired information mapace is necessary, in the later and identify the tenoted below.	dentify		Receive		11141 00 5-14	lotes
General	Refere	nce 287.54										
Date Pre	epared/	Revised										
		SECTION	NA. C	EENTE	GENERATO	POETHE WASTE	PINEO	RMAT	ION			
Compan			The state of the s						The state of the sail of	Harris Charles	Of Market Park	C. dell'entre Carlo
Atlas Re			_						-			
If a Subs	sidiary,	Name of Parent	Compan	ny					EPA	Gener	ator ID)#
		ng Address Line View Drive	1			Company Mailing Ad	dress Li	ne 2				
		ess Last Line - 0	City		State	Zip+4		Phone	Trans.		Ext	
Smithfie					PA	15478+890	2	724-56			137	7
		act Last Name		700	Name	MI			Suffix			
Butchko Municipa				Jenr	iy	County				_		
Georges						Fayette						
Contact		Ext	C	ontact Em	ail Address							
724-564		137			atlasenergy.							
Is the wa	aste ger	nerated at the Co	ompany i	Mailing Ad	dress (noted	l above)?				Yes		No
If 'No', de	escribe	location of was	te gener									
			3	attori ario s	storage. See	attachment						
Municipa	ality			Cou				Stat	te	PA		
Municipa	ality	Georges		Соц	nty Faye	tte	N. P.	Sta	te	PA		
Municipa Residu		Georges	Residual	Cou EGTION	nty Faye			Star Unit of		PA	Time	
	uai	Georges	1.01.8	Cou EGTION Waste	nty Faye	tte) L	Unit of Measur	e		Fram	
Residu	ual Gode	Georges	1 Residual	Cou EGTION Waste	nty Faye	tte TEDESGRIPTIC		Unit of Measur	e gal		Fram 210	е
Residu Waste C	ual Gode	Georges I C	1 Residual	Cou EGTION Waste cription	nty Faye	Amount See attachment		Unit of Measur	e		Fram	е
Residu Waste C 804	ual Gode	Georges C Frac Fluids	1 Residual	Cou EGTION Waste cription	nty Faye	tte PEDESCRIPTIO Amount		Unit of Measur yd [e gal		Fram 210	е
Residu Waste C 804 a. p	ual Gode	Georges C Frac Fluids	Residual code Des n/a	Cour LGTION Waste cription	nty Faye	Amount See attachment PROPERTIEST (based on analyses		Unit of Measur yd [e gal		Fram 210	е
Residu Waste C 804 a. p	ual Code In the control of the contr	Georges C Frac Fluids	Residual code Des n/a	Cour EGTION Waste cription to Liquid V	GENERAL n/a Vaste (EPA M PA Method 9	Amount See attachment PROPERTIES (based on analyses of the decision of the dec		Unit of Measur yd [e gal		Fram 210	е
Residu Waste C 804 a. p b. P	ode oH Rang Physical	Georges C Frac Fluids	Residual code Des	Cour Legnon Waste cription to Liquid V Solid (E Gas (an	GENERAL n/a Vaste (EPA M PA Method 9 bblent temper	Amount See attachment PROPERTIES (based on analyses of the debt of	☐ lb or knowle	Unit of Measur yd [[(dge)	e gal		Fram 210	е
Residu Waste C 804 a. p b. P	ode oH Rang Physical	Georges C Frac Fluids	Residual code Des	Cour EGTION Waste cription to Liquid V Solid (E Gas (an	GENERAL n/a Vaste (EPA M PA Method 9 blent temper	Amount See attachment PROPERTIEST (based on analyses of the dod 9095) 1095) ature & pressure)	lb l	Unit of Measur yd [e gal		Fram 210	е
Residu Waste C 804 a. p b. P	ode oH Rang Physical	Georges C Frac Fluids	Residual code Des	Cour Lighton to Liquid V Solid (E Gas (an olor Cumber of S	GENERAL n/a Vaste (EPA M PA Method 9 blent temper Clear Solid or Liqu	Amount See attachment PROPERTIES (based on analyses dethod 9095) ature & pressure) (d Phases of Separat	lb l	Unit of Measur yd [[(dge)	e gal		Fram 210	е
Residu Waste C 804 a. p b. P	ode oH Rang Physical	Georges C Frac Fluids	Residual code Des	Cour Lighton to Liquid V Solid (E Gas (an olor Cumber of S	GENERAL n/a Vaste (EPA M PA Method 9 blent temper	Amount See attachment PROPERTIES (based on analyses dethod 9095) ature & pressure) (d Phases of Separat	lb l	Unit of Measur yd [[(dge)	e gal		Fram 210	е
Residu Waste C 804 a. p b. P	ode oH Rang Physical	Georges C Frac Fluids	Residual code Des n/a	Cour EGNON Waste cription to Liquid V Solid (E Gas (an olor C umber of S escribe ea	GENERAL n/a Vaste (EPA M PA Method 90 blent temper Clear Solid or Liquich phase of	Amount See attachment PROPERTIEST (based on analyses of lethod 9095) 095) ature & pressure) id Phases of Separatiseparation.	or knowle	Unit of Measur Lyd (((((((((((((((((((e ≥ gal] lon	30	Fram O1O One T	ime
Residu Waste C 804 a. p b. P c. P	ual code had a code ha	Georges C Frac Fluids Ge I State I Appearance	Residual code Des	Cour EGNON Waste cription to Liquid V Solid (E Gas (an color Coumber of Sescribe ea	GENERAL n/a Vaste (EPA M PA Method 9 blent temper Clear Solid or Liquich phase of	Amount See attachment PROPERTIES (based on analyses dethod 9095) ature & pressure) (d Phases of Separat	illor knowle	Unit of Measur Lyd (((((((((((((((((((e ⊠ gal] lon	30	Fram O1O One T	е
Residu Waste C 804 a. p b. P c. P	bh Rang Physical	Georges C Frac Fluids Ge I State I Appearance Juts of a detailed ons, is attached	Residual ode Des	Cour Waste cription to Liquid V Solid (E Gas (an olor cumber of S escribe ea	GENERAL n/a Vaste (EPA M PA Method 90 blent temper Clear Solid or Liquich phase of	Amount See attachment PROPERTIES (based on analyses of lethod 9095) 095) ature & pressure) id Phases of Separate separation. SIS ATTACHMENTS the waste, as described	illor knowle	Unit of Measur Lyd (((((((((((((((((((e ⊠ gal] ton	ag D Yes	Fram O1O One T	e ime No
Residu Waste C 804 a. p b. P c. P	ode	Georges C Frac Fluids Ge I State I Appearance Ults of a detailed ons, is attached ed description of	Residual ode Des	Cour Liquid V Solid (E Gas (an olor cumber of S escribe ea C 2 CHE I characte	GENERAL n/a Vaste (EPA M PA Method 90 blent temper Clear Solid or Liquich phase of migal ANAL rization of the	Amount See attachment PROPERTIES (based on analyses of lethod 9095) 095) ature & pressure) id Phases of Separate separation. SIS ATTACHMENTS we waste, as described attached.	or knowle	Unit of Measuring (Control of Control of Con	e gal lon		Fram O1O One T	ime
Residu Waste C 804 a. p b. P c. P	ode	Georges C Frac Fluids Ge I State I Appearance Ults of a detailed ons, is attached od description of lity assurance/qu	Residual ode Des	Cour Liquid V Solid (E Gas (an olor cumber of S escribe ea C 2 CHE I characte	GENERAL n/a Vaste (EPA M PA Method 90 blent temper Clear Solid or Liquich phase of migal ANAL rization of the	Amount See attachment PROPERTIES (based on analyses of lethod 9095) 095) ature & pressure) id Phases of Separate separation. SIS ATTACHMENTS the waste, as described	or knowle	Unit of Measuring (Control of Control of Con	e gal lon		Fram O1O One T	e ime S
Residu Waste C 804 a. p b. P c. P a. in b. A c. T at d. T	hysical he resunstruction detaile he qualittached he resu	Georges C Frac Fluids Ge I State I Appearance Ults of a detailed ons, is attached od description of lity assurance/qualts of the hazard	Residual code Des	Cour Liquid V Solid (E Gas (an olor C umber of S escribe ea C 2 CHE It characte te samplin	GENERAL n/a Vaste (EPA M PA Method 9 blent temper Clear Solid or Liquich phase of misal ANAC rization of the g method is edures emplo	Amount See attachment PROPERTIES (based on analyses of lethod 9095) 095) ature & pressure) Id Phases of Separate separation. SIS ATTACHMENTS we waste, as described attached. Oyed by the laborator	Odor ion din the	Unit of Measuring (Control of Control of Con	e ggal lon		Fram O1O One T	ime

* Characterization is on file at the DEP that refers to the county in which the stream was generated.

	The state of the s	3. PROCESS DESCRIPTION	28 SCHEMATIC ATTA	CHMENTS	Kel grap of an	La Utilia	
a.	A detailed description of the waste, as specified in	the manufacturing and/or po the instructions, is attached	1 6	esses producing	⊠ Yes		No
ь.	A schematic of the manu as specified in the instru	facturing and/or pollution co ctions, is attached.	ontrol processes pro	ducing the waste,	Yes	Ø	No
C		tion submitted are confident described in the instruction		on for Yes	□ No		N/A
	SEC	TION C. MANAGEM	ENT OF RESIDI	IAI WASTE		MINE	
in the same	The state of the s	4 Processing or	the same and the same of the s	Then the distriction of the off sales and sales better 1 to public for the	to a an artistica winder good needs mileta	and the same	SE T
The	area below (ad.) will accom	modate the identification of	two facilities. Attack	h additional sheets	if necessary	ideamle	delilion
a.		er(s) for processing or dispo	The second secon				_
b.	Facility Name	Advanced Waste Ser	vices				
67.	Address Line 1	1001 Sampson Stree			-		_
	Address Line 1		1				
	Address City State ZIP	New Castle	PA	16101			
	Municipality	City of New Castle	County	Lawrence		-	~
c.	Facility Contact Name	Anthony Cialella					_
	Title	General Manager				_	-1
	Phone	724-657-8777	Email Address	avialella@advan	cedwastese	rvices	com
d. a.		to processing or disposal fa	☐ lb ☐ tor	(check one)			
b.	Facility Name	Appalachian Water S	ervices, LLC				
	Address Line 1	195 Enterprise Lane					
	Address Line 1						
	Address City State ZIP	Connellsville	PA	15425			
	Municipality	Masontown	County	Fayette			
c.	Facility Contact Name	George Milne					
	Title	Supervisor					-
	Phone	724-583-2081.	Email Address	georgem@shalle om	nbergercon	struction	on.c
d.	Volume of waste shipped	to processing or disposal fa	cility in the previous				
AND A	The second color, the agent street	BENE	FICIAL USE	Charles bridge and the little of	MALI PROBLEM	Shirt 12	EN PLE
a.	Has the waste been appro				Yes	PER	No
	If "Yes", list the general pe	ermit number or approval ne	umber.		-		
b		lly used in the previous yea		(check one)		**********	

11 11 5		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
а.	A detailed description of t	the manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
b.	A schematic of the manufacture as specified in the instruc	facturing and/or pollution control processes producing the waste, Yes No ctions, is attached.
C.		tion submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
A SAME	SEC	TION GEMANAGEMENT OF RESIDUAL WASTE
marin F	A propriet de la la contract à partie de la propriet de la	1. PROCESSING OR DISPOSAL FACILITY (IES)
The a	area below (ad.) will accome	modate the identification of two facilities. Attach additional sheets if necessary.
a.	Solid waste permit numbe 3262	er(s) for processing or disposal facility being utilized.
b.	Facility Name	Clinton SWIW #2
	Address Line 1	P.O. Box 367
	Address Line 1	
v	Address City State ZIP	Garrettsville OH 44231
	Municipality	Freedom County Portage
c.	Facility Contact Name	Dave Ballentine
	Title	President
	Phone	330-221-6681 Email Address davjball@yahoo.com
d.	Volume of waste shipped	to processing or disposal facility in the previous year. — cu yd — gal — lb — ton (check one)
а.	Solid waste permit numbe PA0101508	er(s) for processing or disposal facility being utilized.
b.	Facility Name	Franklin
	Address Line 1	5148 US 322
	Address Line 1	
	Address City State ZIP	Franklin PA 16323
	Municipality	Sandycreek County Venango
C.	Facility Contact Name	Elton DeLong .
	Title	Operations Manager
	Phone	814-437-3593 Email Address sparky@pabrine.com
d.	Volume of waste shipped t	to processing or disposal facility in the previous year. Cu yd gal lb lon (check one)
		2. Beneficial Use
a.	Has the waste been approv	ved for beneficial use? Yes No
	If "Yes", list the general pe	ermit number or approval number.
b.		ally used in the previous year. cu yd gal lb ton (check one)
-		

a.		-3: PROGESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
4.		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.		ion submitted are confidential, the substantiation for . Yes No described in the instructions, is attached.	N/A
		TION G. MANAGEMENT OF RESIDUAL WASTE	
a.		nodate the identification of two facilities. Attach additional sheets if necessary. r(s) for processing or disposal facility being utilized.	
b.	Facility Name Address Line 1 Address Line 1	Hart Resource Tech Pit P.O. Box 232 TR 110 West	
	Address City State ZIP Municipality	Creekside PA 15732 Washington County Indiana	
1.	Facility Contact Name Title Phone	Becky Snyder Operations Manager 724-349-8600 Email Address hart8600@comcast.net	
3 .	Volume of waste shipped to	to processing or disposal facility in the previous year. cu yd gal tb ton (check one)	
1.	Solid waste permit number SWIW #5 34-121-2-3995 Facility Name Address Line 1 Address Line 1	cu yd gal to ton (check one) r(s) for processing or disposal facility being utilized. Hunters P.O. Box 430	
1-	Solid waste permit number SWIW #5 34-121-2-3995 Facility Name Address Line 1 Address Line 1 Address City State ZIP Municipality	Cu yd gal to (check one) r(s) for processing or disposal facility being utilized. Hunters P.O. Box 430 Reno OH 45773 Jackson County Noble	
a. o.	Solid waste permit number SWIW #5 34-121-2-3995 Facility Name Address Line 1 Address Line 1 Address City State ZIP	□ cu yd ☑ gal □ tb □ ton (check one) r(s) for processing or disposal facility being utilized. Hunters P.O. Box 430 Reno OH 45773 Jackson County Noble Kirk Trosclair Senior VP of Equipment 740-374-2940 x 160 Email Address ktrosclair@magnumhunterresour	ces.co
j.	Solid waste permit number SWIW #5 34-121-2-3995 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	ces.co
d. a. b.	Solid waste permit number SWIW #5 34-121-2-3995 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 ☑ gal □ tb □ ton (check one) r(s) for processing or disposal facility being utilized. Hunters P.O. Box 430 Reno OH 45773 Jackson County Noble Kirk Trosclair Senior VP of Equipment 740-374-2940 x 160 Email Address ktrosclair@magnumhunterresour m co processing or disposal facility in the previous year. □ cu yd ☑ gal □ lb □ ton (check one)	der + - · ·
a.	Solid waste permit number SWIW #5 34-121-2-3995 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	ar e
a. b.	Solid waste permit number SWIW #5 34-121-2-3995 Facility Name 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 per	□ cu yd ☑ gal □ tb □ ton (check one) r(s) for processing or disposal facility being utilized. Hunters P.O. Box 430 Reno OH 45773 Jackson County Noble Kirk Trosclair Senior VP of Equipment 740-374-2940 x 160 Email Address ktrosclair@magnumhunterresour m co processing or disposal facility in the previous year. □ cu yd ☑ gal □ lb □ ton (check one)	tani

2540-PM-6WM0347 Rev. 1/2011

b.	A detailed description of the waste, as specified in the A schematic of the manufa as specified in the instruct of the informatic a confidentiality claim, as the informatic and in the informatic and informatic	he instructions, is attach cturing and/or pollution ions, is attached, on submitted are confide described in the instruct	ned. control processes pro ential, the substantiation	ducing the waste,	Yes ☐ Yes		No
C.	as specified in the instruct If portions of the information a confidentiality claim, as o	ions, is attached. on submitted are confide described in the instruct	ential, the substantiation				No
	a confidentiality claim, as o	described in the instruct		on for T Ves			
C-Same Sec	SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF T	CLOWN TO SERVING CO		in tor tes	□ No	×	N/A
		ENTERNA PROCESSING	MENTEOFRESID R DISPOSACEACIDEM	the first man have at one present the property of the print, it will be			
The are	a below (ad.) will accomm		CHARLE CONTRACTOR OF THE CONTR	THE PARTY OF THE P	if necessary		Terror Design
	Solid waste permit number PA0095273	(s) for processing or dis	posal facility being uti	lized.			
b.	Facility Name	PA Brine Trt-Josep	hine Plt				
	Address Line 1	5148 US 322					
	Address Line 1						
	Address City State ZIP	Franklin	PA	16323			
	Municipality	Sandycreek	County	Venango ,			
	Facility Contact Name	Elton DeLong					
	Title	Operations Manage					
	Phone	814-437-3593	Email Address	spaeky@pabrine	.com		
d. N	Volume of waste shipped to	processing or disposa	facility in the previou				
	Solid waste permit number 101674	(s) for processing or dis	posal facility being uti	lized.			
b. 1	Facility Name	McCutcheon Enter	orises, Inc.				
	Address Line 1	250 Park Road					
	Address Line 1						
	Address City State ZIP	Apollo	PA	15613			
	Municipality	Alleghney	County	Westmoreland			
	Facility Contact Name	Mack Flood					
	litle	Business Developm	nent Engineer				
100	hone	724-568-3623	Email Address	mackf@complete	ewastemgn	it.com	(
d. \	/olume of waste shipped to	☐ cuyd ⊠ gal	☐ Ib ☐ to				
	(12 metricular implication per interest in the second in t	er Central Be	NEFICIAL USE				物語
	las the waste been approv				Yes		No
	f "Yes", list the general per						
b. \	olume of waste beneficial	y used in the previous y	ear.	n (check one)		9-21	

		3 PROCESS DESCRIPTION	N& SCHEMATIC ATTA	GLIMENTS TO SEE		
a.	A detailed description of the waste, as specified in l	ne manufacturing and/or	pollution control proce		⊠ Yes	□ No
Ь.	A schematic of the manufa as specified in the instruct	cturing and/or pollution of ions, is attached.	control processes pro-	ducing the waste,	☐ Yes	☐ No
c.	If portions of the informati a confidentiality claim, as	described in the instruction	ons, is attached.		☐ No	N/A.
	A CONTRACTOR OF THE PARTY OF TH	HONECUMANAGEN	A STATE OF THE PARTY OF THE PAR	TT I be after Building Distance of the San		
The a	rea below (ad.) will accomm				if necessary	
a.	Solid waste permit number 4355	(s) for processing or disp	posal facility being uti	lized.		
b.	Facility Name	Miller & Co. #3				
	Address Line 1	P.O. Box 367				
	Address Line 1					
	Address City State ZIP	Garrettsville	ОН	44231		
	Municipality	Freedom	County	Portage		
C.	Facility Contact Name	Dave Ballentine		7		
	Title	President				
	Phone	330-221-6681	Email Address	davjball@yahoo.	com	
d.	Volume of waste shipped t	☐ cu yd gal	☐ lb ☐ tor	(check one)		
a.	Solid waste permit number 748163	(s) for processing or disp	oosal facility being util	lized.		
b.	Facility Name	Patriot Water Treatr	nent, LLC			
	Address Line 1	7716 Depot Road U	nit #1			
	Address Line 1					
	Address City State ZIP	Lisbon	OH	44432		
	Municipality	City of Warren	County	Warren		
C.	Facility Contact Name	Jeff Faloba				
	Title	CEO				
	Phone	330-222-1274	Email Address	jefffaloba@yaho	o.com	
d.	Volume of waste shipped to	processing or disposal	facility in the previous			
	Chapter, and the respect of the Chapter of	Stranger Total Control of the	ENGIAL USE Y	the contract of a super-	one down in winding	
a.	Has the waste been approv				Yes	No
α,	If "Yes", list the general pe		number			L
h	Volume of waste beneficial					
b.	Volume of waste beneficial	cn Ad a all as	□ Ib □ tor	(check one)	30 F	

		3. PROCESS DESCRIPTION	N & SCHEMATIC ATTA	CHMENTS		., ., ., ., ., ., ., ., ., ., ., ., ., .
a.	A detailed description of the waste, as specified in the	ne manufacturing and/or p the instructions, is attached	pollution control proc ed.	esses producing	⊠ Yes	[] No
b.	A schematic of the manufa as specified in the instruct		ontrol processes pro	ducing the waste,	Yes	□ No
C.	If portions of the information a confidentiality claim, as of	on submitted are confident described in the instruction	itial, the substantiations, is attached.	on for Yes	□ No	⊠ N/A
The a	SEG		DISPOSAL FACILITY(I	ES)	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Property of
а.	Solid waste permit number PA0091472	(s) for processing or disp	osal facility being uti	lized.		
b.	Facility Name Address Line 1 Address Line 1	Tunnelton Liquids Co P.O. Box 667				
	Address City State ZIP Municipality	Clarion Clarion Borough	PA County	16214 Clarion		
C.	Facility Contact Name Title Phone	Paula Wolbort Accountant 814-226-5016	Email Address	pwolbort@usach	noice.net	
d.	Volume of waste shipped to	processing or disposal t	facility in the previous			
а. "	Solid waste permit number PA0102784	(s) for processing or disp	osal facility being uti	lized.		
b.	Facility Name Address Line 1 Address Line 1	Waste Treatment Co 341 West Harmer St				
	Address City State ZIP Municipality	Warren City of Warren	PA County	16365 Warren		
C.	Facility Contact Name Title Phone	Plant Supervisor 724-228-9674	Email Address	accounting@was	ste-treatmer	nt.net
d.	Volume of waste shipped to	processing or disposal f	acility in the previous			
a. b.	Has the waste been approve If "Yes", list the general per Volume of waste beneficial	mit number or approval n y used in the previous ye	umber.		Yes	□ No
		cu yd gal	☐ lb ☐ tor	r (check one)	· · ·	· · · ·

1000000		3 PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
а.	A detailed description of t	he manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
ь.	A schematic of the manufa as specified in the instruct	acturing and/or pollution control processes producing the waste, Yes No floris, is attached.
G.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.
	THE SEC	INONIG MANAGEMENTROFRESIDUAL WASTELL AND THE CONTROL OF THE CONTRO
		1 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 WV3416729395	r(s) for processing or disposal facility being utilized.
b.	Facility Name	West Virginia Oil Gathering
	Address Line 1	157 Lower Eureka Road
	Address Line 1	
	Address City State ZIP	Saint Mary's WV 26170
	Municipality	County Pleasant
C,	Facility Contact Name	Bob Gerst
	Title	State Manager
	Phone	304-665-2461 Email Address bgerst@wvogaop.com
d.		o processing or disposal facility in the previous year. Cuyd gal Ib 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	processing or disposal facility in the previous year.
-		cuyd gal lb ton (check one)
		SALTE TO A BENEFICIAL USE TO A LEGISLATION OF THE SALTE O
a.	Has the waste been approv	는 마다 가는 사람들이 가입니다. 그런 하는 사람들은 사람들이 되었다. 그렇게 되었다면 보다 보다 보다 보다는 사람들이 되었다. 그 사고를 보고 있다고 있다.
#.0±C		rmit number or approval number.
b.	Volume of waste beneficial	ly used in the previous year. cu yd gal lb ton (check one)
_		

			SECTION DE CERTIFICATION SECTION AND ASSESSED AS A SECTION OF THE
Rep obta kno	ort and all attached doc aining the information, I wledge. I understand the	uments verify at 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.
Che	ck the following, if applica	able:	
	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 informatio		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		ed in Section B-3, Process Description and Schematic, was supplied to the Department changed.
	Form Submitted:		Form 26R
			Other (specify)
	Date Submitted:		
Nam	Responsible Official	Her	Title EHS Durch
Sign	ature this to	Jack	Date 3(11(1)

- 3. Process Description & Schematic Attachments
 - a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.
 - Frac fluids Water that has been generated during the completion process.

	The state of the s	EAST TO WELL NAME TO A		ME PHETOWNSHIPS	A FOLING	SERVICE DISPOSAUPOINTEL LES	A HOLATOTAL GALLONS
304	23938	#3	37-129-28012	S. Huntingdon	Westmoreland	Advanced Waste Services	213654
304	23938	#3	37-129-28012	S. Huntingdon	Westmoreland	Franklin	209790
304	23938	#3	37-129-28012	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Plt	9870
304	23938	#3	37-129-28012	S. Huntingdon	Westmoreland	McCutcheon Enterprises, Inc.	1060227
804	23938	#3	37-129-28012	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	176610
						TOTAL WASTE	1670151
				-	+		-
804	25901	#8H	37-125-23950	Amwell	Washington	Advanced Waste Services	94920
304	25901	#8H	37-125-23950	Amwell	Washington	Appalachian Water Services, LLC	136290
804	25901	#8H	37-125-23950	Amwell	Washington	PA Brine Trt-Josephine Plt	25620
304	25901	#8H	37-125-23950	Amwell	Washington	Tunnelton Liquids Company	170394
						TOTAL WASTE	427224
				1			
804	25958	#9H	37-125-23951	Amwell	Washington	Appalachian Water Services, LLC	413448
804	25958	#9H	37-125-23951	Amwell	Washington	PA Brine Trt-Josephine Plt	19530
804	25958	#9H	37-125-23951	Amwell	Washington	Tunnelton Liquids Company	28770
						TOTAL WASTE	461748
804	24403	25	37-051-24272	Nicholson	Fayette	Advanced Waste Services	213318
804	24403	25	37-051-24272	Nicholson	Fayette	Clinton #2	26250
804	24403	25	37-051-24272	Nicholson	Fayette	Franklin	149310
804	24403	25	37-051-24272	Nicholson	Fayette	McCutcheon Enterprises, Inc.	334698
804	24403	25	37-051-24272	Nicholson	Fayette	Miller & Co #3	115500
804	24403	25	37-051-24272	Nicholson	Fayette	Tunnelton Liquids Company	79170
						TOTAL WASTE	918246
	-				-		*
804	24929	145H	37-059-25271	Greene	Greene	Advanced Waste Services	175350
804	24929	145H	37-059-25271	Greene	Greene	Appalachian Water Services, LLC	931140
804	24929	#45H	37-059-25271	Greene	Greene	Franklin	9240
804	24929	#45H	37-059-25271	Greene	Greene	Tunnelton Liquids Company	9240
						TOTAL WASTE	1124970
804	24930	#46H	37-059-25270	Greene	Greene	Appalachian Water Services, LLC	505890
						Franklin	13860
						TOTAL WASTE	519750
804	25037	#53	37-059-25244	Greene	Greene	Advanced Waste Services	2310

.

804	25037	#53 .	37-059-25244	Greene	Greene	Appalachian Water Services, LLC	478128
804	25037	#53	37-059-25244	Greene -	Greene	PA Brine Trt-Josephine Plt	25200
804	25037	#53	37-059-25244	Greene	Greene	Tunnelton Liquids Company	14595
	1/2000					TOTAL WASTE	520233
904	25038	454U .	37-059-25272	Cranno	Conne	Advanced Marks Condens	407010
804		#54H		Greene	Greene	Advanced Waste Services	183918
804	25038	#54H .	37-059-25272	Greene	Greene	Appalachian Water Services, LLC	597996
804	25038	#54H	37-059-25272	Greene	Greene	Franklin	13860
804	25038	#54H	37-059-25272	Greene	Greene	PA Brine Trt-Josephine Plt	15078
		30			-	TOTAL WASTE	810852
804	21729	#8	37-051-24189	Washington	Fayette	Advanced Waste Services	28686
						TOTAL WASTE	28686
804	25668	Jnit #5H	37-051-24311	Redstone	Fayette	Advanced Waste Services	50400
804	25668	Jnit #5H	37-051-24311	Redstone	Fayette	Appalachian Water Services, LLC	336084
					-	TOTAL WASTE	386484
804	25670	Joit #7H	37-051-24313	Redstone	Fayette	Advanced Waste Services	34860
804	25670	Jnit #7H	37-051-24313	Redstone	Fayette	Appalachian Water Services, LLC	257418
		*				TOTAL WASTE	292278
804	25583	#11	37-059-25223	Cumberland	Greene	Franklin	24990
804	25583	#11	37-059-25223	Cumberland	Greene	PA Brine Trt-Josephine Plt	20790
804	25583	#11	37-059-25223	Cumberland	Greene	McCutcheon Enterprises, Inc.	17640
804	25583	#11	37-059-25223	Cumberland	Greene	Tunnelton Liquids Company	2520
						TOTAL WASTE	65940
804	25584	12H	37-059-25227	Cumberland	Greene	Advanced Waste Services	7140
804	25584	12H	37-059-25227	Cumberland	Greene	Franklin	9660
804	25584	12H ::	37-059-25227	Cumberland	Greene	PA Brine Trt-Josephine Plt	23940
804	25584	12H	37-059-25227	Cumberland	Greene	Tunnelton Liquids Company	8820
						TOTAL WASTE	49560

804	22831	14	37-051-24220	Dunbar	Fayette	Advanced Waste Services	189861
804	22831	14	37-051-24220	Dunbar	Fayette	Appalachian Water Services, LLC	528738
804	22831	14	37-051-24220	Dunbar	Fayette	Franklin	157290
304	22831	14	37-051-24220	Dunbar	Fayette	PA Brine Trt-Josephine Plt	19530

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804	22831	#14	37-051-24220	Dunbar	Fayette	Tunnelton Liquids Company	67830
						TOTAL WASTE	963249
							THE RESERVE
	144.4						100
304	26018	#6 !	37-059-25385	Greene	Greene	Advanced Waste Services	226590
304	26018	#6	37-059-25385	Greene	Greene	Appalachian Water Services, LLC	1286418
304	26018	#6	37-059-25385	Greene	Greene	Franklin	51240
30,4	26018	#6	37-059-25385	Greene	Greene	PA Brine Trt-Josephine Pit	54390
304	26018	#6	37-059-25385	Greene	Greene	Tunnelton Liquids Company	45150
304	26018	#6	37-059-25385	Greene	Greene	West Virginia Oli Gathering	3780
			· · · · · · · · · · · · · · · · · · ·			TOTAL WASTE	1667568
304	22794	Consol/USX #30 .	37-059-25274	Monongahela	Greene	Advanced Waste Services	74508
304	22794	Consol/USX #30 ·	37-059-25274	Monongahela	Greene	Appalachian Water Services, LLC	961170
304	22794	Consol/USX #30	37-059-25274	Monongahela	Greene	Tunnelton Liquids Company	22260
304	22/34	CONSUIT OSK MOD	31-038-23214	IMOHORIGANEIA	Greene	TOTAL WASTE	1057938
_		*				TOTAL WASTE	103/330
804	25857	Consol/USX #90:	37-059-25334	Monongahela	Greene	Advanced Waste Services	255108
804	25857	Consol/USX #90 .	37-059-25334	Monongahela	Greene	Appalachian Water Services, LLC	715806
804	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	Clinton #2	4410
804	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	Franklin	184800
804	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	McCutcheon Enterprises, Inc.	128226
804	25857	Consol/USX #90 .	37-059-25334	Monongahela	Greene	Miller & Co #3	21210
804	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	Tunnelton Uquids Company	43260
	200	7				TOTAL WASTE	1352820
804	24893	#10H .	37-125-23392	Hopewell	Washington	Advanced Waste Services	750750
804	24893	n#10H	37-125-23392	Hopewell	Washington	Franklin	6510
804	24893	n #10H	37-125-23392	Hopewell	Washington	Miller & Co #3	4200
804	24893	1#10H	37-125-23392	Hopewell	Washington	West Virginia Oil Gathering	84924
	_					TOTAL WASTE	846384
				-		-	-
804	24860	#12H	37-125-23393	Hopewell	Washington	Advanced Waste Services	532140
804	24860	#12H	37-125-23393	Hopewell	Washington	Appalachian Water Services, LLC	73248
804	24860	#12H	37-125-23393	Hopewell	Washington	Franklin	4620
804	24860	#12H .	37-125-23393	Hopewell	Washington	Miller & Co #3	63840
804	24860	#12H ·	37-125-23393	Hopewell	Washington	Tunnelton Liquids Company	4620
804	24860	#12H	37-125-23393	Hopewell	Washington	West Virginia Oil Gathering	126882
175			4			TOTAL WASTE	805350
				4			

304	24861	14	27 126 22206	Ittenev-1	Washington	Advanced West, Control	107100
04	24861	14	37-125-23385 37-125-23385	Hopewell		Advanced Waste Services Franklin	197190
				Hopewell	Washington		28140
104	24861	14	37-125-23385	Hopewell	Washington	Miller & Co #3	4410
304	24861	14	37-125-23385	Hopewell	Washington	Patriot Water Treatment, LLC	94080
804	24861	14	37-125-23385	Hopewell	Washington	West Virginia Oil Gathering	60564
					-	TOTAL WASTE	384384
804	25005	#16	37-125-23395	Hopewell	Washington	Advanced Waste Services	516810
						TOTAL WASTE	516810
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						1	U Faite
804	24863	.7	37-125-23386	Hopewell	Washington	Advanced Waste Services	297570
804	24853	.7	37-125-23386	Hopewell	Washington	Clinton #2	4410
804	24863	.7	37-125-23386	Hopewell	Washington	Franklin	41790
804	24863	.7	37-125-23386	Hopewell	Washington	Miller & Co #3	17010
804	24863	.7	37-125-23386	Hopewell	Washington	Patriot Water Treatment, LLC	265860
804	24863	.7	37-125-23386	Hopewell	Washington	West Virginia Oil Gathering	39018
		1.78.2.5		11111111111111		TOTAL WASTE	665658
804	23300	40	37-125-23161	Cross Creek	Washington	Advanced Waste Services	80745
804	23300	40	37-125-23161	Cross Creek	Washington	Appalachian Water Services, LLC	377538
804	23300	40	37-125-23161	Cross Creek	Washington	West Virginia Oil Gathering	82740
		k				TOTAL WASTE	541023
		· ·					
804	23371	41	37-125-23537	Cross Creek	Washington	Appalachian Water Services, LLC	169302
804	23371	141	37-125-23537	Cross Creek	Washington	Franklin	7770
804	23371	41	37-125-23537	Cross Creek	Washington	West Virginia Oil Gathering	33432
						TOTAL WASTE	210504
804	23222	#47H	37-125-23271	Cross Creek	Washington	Advanced Waste Services	664209
804	23222	#47H :	37-125-23271	Cross Creek	Washington	Appalachian Water Services, LLC	28770
804	23222	447H =	37-125-23271	Cross Creek	Washington	Franklin	47880
804	23222	#47H	37-125-23271	Cross Creek	Washington	Patriot Water Treatment, LLC	154560
804	23222	#47H	37-125-23271	Cross Creek	Washington	West Virginia Oil Gathering	23814
						TOTAL WASTE	919233
804	23223	H48	37-125-23429	Cross Creek	Washington	Advanced Waste Services	367164
804	23223	n48	37-125-23429	Cross Creek	Washington	Franklin	56910
804	23223	£48	37-125-23429	Cross Creek	Washington	West Virginia Oil Gathering	285726
			12. 222 22.123	2.000 0.000	- I - I - I - I - I - I - I - I - I - I	TOTAL WASTE	709800

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	7			-			1.5.
04	24857	0	37-125-23390	Hopewell	Washington	Advanced Waste Services	360570
04	24857	6	37-125-23390	Hopewell	Washington	Clinton #2	4410
104	24857 24857	6 : .	37-125-23390	Hopewell	Washington	Miller & Co #3	17010
304	24857		37-125-23390	Hopewell	Washington	West Virginia Oil Gathering	64302
				-		TOTAL WASTE	446292
	_		-		-		
104	25119	75	37-125-23376	Cross Creek	Washington	West Virginia Oil Gathering	7014
104	23113	11.3	37-123-23376	CIOSS CIEEK	wasnington	TOTAL WASTE	7014
		* * * * * * * * * * * * * * * * * * * *		_		TOTAL WASTE	7014
			-		70		
304	24859	#9	37-125-23383	Hopewell	Washington	Advanced Waste Services	36750
77.		***	27 440 5000	nopenes.	- Continguon	TOTAL WASTE	36750
							35155
				17 - 1	11/10		
304	24691	#5 :	37-051-24153	Redstone	Fayette	Advanced Waste Services	56280
						TOTAL WASTE	56280
804	25079	#1	37-125-23779	Deemston	Washington	Advanced Waste Services	655830
804	25079	#1	37-125-23779	Deemston	Washington	Appalachian Water Services, LLC	317352
804	25079	#1	37-125-23779	Deemston	Washington	Franklin	59010
804	25079	#1 -	37-125-23779	Deemston	Washington	PA Brine Trt-Josephine Plt	7980
204	25079	#1	37-125-23779	Deemston	Washington	McCutcheon Enterprises, Inc.	518910
804	25079	#1	37-125-23779	Deemston	Washington	Tunnelton Liquids Company	100380
804	25079	#1	37-125-23779	Deemston	Washington	Waste Treatment Corporation	23940
-			-		-	TOTAL WASTE	1683402
	-		-		-		
204	25745	nit #4H	37-125-24185	Deemston	WashIngton	Advanced Waste Services	114660
B04 B04	25745	nit #4H	37-125-24185	Deemston	Washington	Appalachian Water Services, LLC	564354
304	25745	nit #4H	37-125-24185	Deemston	Washington	Tunnelton Liquids Company	34860
504	25/45	10 11 11	01-120-24100	Decinsion	Trasmington.	TOTAL WASTE	713874
-							
804	25715	11H	37-129-28404	S. Huntingdon	Westmoreland	Advanced Waste Services	140910
804	25715	11H	37-129-28404	S. Huntingdon	Westmoreland	Appalachian Water Services, LLC	141246
804	25715	11H .	37-129-28404	S. Huntingdon	Westmoreland	Franklin	16380
β04	25715	118	37-129-28404	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Plt	5040
804	25715	11H .	37-129-28404	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	129150
	"L 31" 4"					TOTAL WASTE	432726
					1		
Land		т.			4.1.1.		

804	25716	#12H	37-129-28403	S. Huntingdon	Westmoreland	Advanced Waste Services	168000
804	25716	#12H	37-129-28403	S. Huntingdon	Westmoreland	Appalachian Water Services, LLC	144480
804	25716	#12H ·	37-129-28403	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Pit	35910
804	25716	#12H	37-129-28403	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	21420
The state of						TOTAL WASTE	369810
			-				
804	23639	Fairbanks Rod & Gun Club #3	37-051-24238	Menallen	Fayette	Advanced Waste Services	10080
804	23639	Fairbanks Rod & Gun Club #3	37-051-24238	Menallen	Fayette	Appalachian Water Services, LLC	1607802
804	23639	Fairbanks Rod & Gun Club #3	37-051-24238	Menallen	Fayette	Franklin	17220
804	23639	Fairbanks Rod & Gun Club #3	37-051-24238	Menallen	Fayette	PA Brine Trt-Josephine Plt	4520
804	23639	Fairbanks Rod & Gun Club #3	37-051-24238	Menallen	Fayette	Tunnelton Liquids Company	4200
						TOTAL WASTE	1643922
	14.00			4 -			
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	Advanced Waste Services	538650
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	Clinton #2	4410
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	Franklin	363678
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	PA Brine Trt-Josephine Plt	86436
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	Miller & Co #3	34020
804	23642	Fairbanks Rod & Gun Club #6	37-051-24239	Menallen	Fayette	Tunnelton Liquids Company	54264
44.			12.333.373.00	177-07-0-0	1.575.115	TOTAL WASTE	1081458
					4 4 4		
804	25665	Jnit #5H	37-051-24305	Redstone	Fayette	Advanced Waste Services	23520
804	25665	Jnit #5H	37-051-24305	Redstone	Fayette	Appalachian Water Services, LLC	675444
804	25665	Jult #5H	37-051-24305	Redstone	Fayette	Franklin	38430
804	25665	Jnit #5H	37-051-24305	Redstone	Fayette	Tunnelton Liquids Company	38640
						TOTAL WASTE	776034
			-		-	-	
201		1 1 1/51	07 054 04000	D. date and	Farities .	1.3.2	24000
804	25666	Init #6H	37-051-24306	Redstone	Fayette	Advanced Waste Services	24990
804	25666	Init #6H	37-051-24306	Redstone	Fayette	Appalachian Water Services, LLC	444360
804	25666	Init #6H	37-051-24306	Redstone	Fayette	PA Brine Trt-Josephine Pit	9450
804	25666	Init #6H	37-051-24306	Redstone	Fayette	Tunnelton Liquids Company	14280
-			+			TOTAL WASTE	493080
	+				-		
804	25826	Fayette Beagle Club Unit #SH	37-051-24309	Washington	Fayette	Advanced Waste Services	2310
804	25826	Fayette Beagle Club Unit #SH	37-051-24309	Washington	Fayette	Appalachlan Water Services, LLC	36540
804	25826	Fayette Beagle Club Unit #5H	37-051-24309	Washington	Fayette	Tunnelton Liquids Company	9555
-		The beagle state still that	1	· ·	1.4/2.00	TOTAL WASTE	48405
	4/6					1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	
11.0							1
804	25827	Fayette Beagle Club Unit #6H	37-051-24310	Washington	Fayette	Advanced Waste Services	2310

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804	25827	Fayette Beagle Club, Unit #6H	37-051-24310	Washington	Fayette	Appalachian Water Services, LLC	36540
04	25827	Fayette Beagle Club Unit #6H	37-051-24310	Washington	Fayette	Tunnelton Liquids Company	9555
	1.0	1 1	1 = 1			TOTAL WASTE	48405
		100			11/17 4	- 4	
304	25267	144	37-051-24267	Springhill	Fayette	Advanced Waste Services	60270
804	25267	444	37-051-24267	Springhill	Fayette	PA Brine Trt-Josephine Plt	28350
804	25267	144	37-051-24267	Springhill	Fayette	McCutcheon Enterprises, Inc.	437094
B04	25267	444 - "	37-051-24267	Springhill	Fayette	Miller & Co #3	12810
304	25267	444	37-051-24267	Springhill	Fayette	Tunnelton Liquids Company	9660
						TOTAL WASTE	548184
1	-	y = 3 (y) y					
804	25870	7	37-051-24262	Nicholson	Fayette	Advanced Waste Services	245196
804	25870.	47	37-051-24262	Nicholson	Fayette	Franklin	120960
804	25870	#7	37-051-24262	Nicholson	Fayette	PA Brine Trt-Josephine Plt	13440
804	25870	#7	37-051-24262	Nicholson	Fayette	McCutcheon Enterprises, Inc.	376404
804	25870	#7	37-051-24262	Nicholson	Fayette	Tunnelton Liquids Company	50820
804	25870 .	#7	37-051-24262	Nicholson	Fayette	Waste Treatment Corporation	9870
804	25870	#7	37-051-24262	Nicholson	Fayette	West Virginia Oil Gathering	4704
1	7			1		TOTAL WASTE	821394
	1.5		-				-
	4 90		-		4.40 - 50 - 51		
804	25915	Unit #2H	37-129-28295	Rostraver	Westmoreland	Advanced Waste Services	11130
804	25915	Unit #2H	37-129-28295	Rostraver	Westmoreland	Appalachian Water Services, LLC	475398
804	25915	Unit #2H	37-129-28295	Rostraver	Westmoreland	Tunnelton Liquids Company	9030
	- of -	45.00				TOTAL WASTE	495558
804	25778	Game Lands #4H	37-059-25340	Dunkard	Greene	Advanced Waste Services	179340
804	25778	Game Lands #4H	37-059-25340	Dunkard	Greene	Franklin	64680
404	120770	Carrie Parison Rail	3, 033 203 70	5577,010	5.55.16	TOTAL WASTE	244020
			-			1	
			1			<u> </u>	
804	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Advanced Waste Services	89796
804	25726	Game Lands Unit#1	37-059-25337	Dunkard	Greene	Appalachian Water Services, LLC	961002
804	25726	Game Lands Unit #1	37-059-25337	Dunkard .	Greene	PA Brine Trt-Jösephine Pit	4830
804		Game Lands Unit #1	37-059-25337	Dunkard	Greene	Tunnelton Liquids Company	10290
504	25726	Game ranos omit #1	37-033-23337	DUIMATU	Greens		
	+	70	1			TOTAL WASTE	1065918
804	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Advanced Waste Services	95130
804	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Appalachian Water Services, LLC	285390
804	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Franklin	51870
804	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	PA Brine Trt-Josephine Plt	4200

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804 : 804 804	25777 25777 25777 25777 25777	Game Lands Unit #2H Game Lands Unit #3H Game Lands Unit #3H Game Lands Unit #3H	37-059-25339		Greene	Tunnelton Uquids Company TOTAL WASTE	19110 455700
804 804 804 804	25777 25777 25777	Game Lands Unit #3H Game Lands Unit #3H	37-059-25339				
804 804 804 804	25777 . 25777 25777	Game Lands Unit #3H	37-059-25339				-
804 804 804 804	25777 25777	Game Lands Unit #3H	37-033-2333	Dunkard	Greene	Advanced Waste Services	206598
804 804 804 804	25777		37-059-25339	Dunkard	Greene	Appalachian Water Services, LLC	449316
804 804 804			37-059-25339	Dunkard	Greene	PA Brine Trt-Josephine Plt	23058
804 804		Game Lands Unit #3H	37-059-25339	Dunkard	Greene	Tunnelton Liquids Company	38850
804		Come cones officeron	37 033 0333	, Carmara	Greene	TOTAL WASTE	717822
804			1			TOTAL WASTE	717022
804	-						
	25145	10	37-051-24212	Nicholson	Fayette	Advanced Waste Services	251496
904	25145	10 .	37-051-24212	Nicholson	Fayette	Franklin	53340
	25145	10	37-051-24212	Nicholson	Fayette	PA Brine Trt-Josephine Pit	8820
804	25145	10	37-051-24212	Nicholson	Fayette	McCutcheon Enterprises, Inc.	550536
804	25145	10	37-051-24212	Nicholson	Fayette	Miller & Co #3	34020
804	25145	10	37-051-24212	Nicholson	Fayette	Tunnelton Liquids Company	36750
						TOTAL WASTE	934962
4		-					
804	22812	#1	37-059-25330	Cumberland	Greene	Advanced Waste Services	339318
804	22812	#1,	37-059-25330	Cumberland	Greene	Franklin	139482
804	22812	#1 .	37-059-25330	Cumberland	Greene	PA Brine Trt-Josephine Plt	99792
804	22812	#1	37-059-25330	Cumberland	Greene	McCutcheon Enterprises, Inc.	391650
804	22812	#1	37-059-25330	Cumberland	Greene	Tunnelton Liquids Company	343224
804	22812	#1 -	37-059-25330	Cumberland	Greene	West Virginia Oil Gathering	4746
11				P. Committee		TOTAL WASTE	1318212
		The state of the					
804	25282 . ,	#1	37-125-23806	W. Bethlehem	Washington	Advanced Waste Services	500640
804	25282	#1 -	37-125-23806	W. Bethlehem	Washington	Franklin	10500
804	25282	#1	37-125-23806	W. Bethlehem	Washington	Tunnelton Liquids Company	20790
			-		_	TOTAL WASTE	531930
	1						
804	25884	11	37-059-25373	Greene	Greene	Advanced Waste Services	181314
804	25884	111	37-059-25373	Greene	Greene	Appalachian Water Services, LLC	129570
804	25884	11	37-059-25373	Greene	Greene	Franklin	266070
804	25884	11.	37-059-25373	Greene	Greene	PA Brine Trt-Josephine Plt	21000
804	25884	11.	37-059-25373	Greene	Greene	McCutcheon Enterprises, Inc.	473172
804 .	25884	11	37-059-25373	Greene	Greene	Tunneiton Liquids Company	16590
804	25884	11.	37-059-25373	Greene	Greene	West Virginia Oil Gathering	2478
						TOTAL WASTE	1090194
	TEL OF		4 L C			2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
	1				1	4	

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304	25060	nit #8	37-059-25341	Cumberland	Greene	Advanced Waste Services	76398
304	25060	Unit #8	37-059-25341	Cumberland	Greene	Appalachian Water Services, LLC	410340
04	25060 .	Unit #8	37-059-25341	Cumberland	Greene	Franklin	21420
04	25060 :	Unit #8	37-059-25341	Cumberland	Greene	PA Brine Trt-Josephine Plt	4200
104	25060	Unit #8 :	37-059-25341	Cumberland	Greene	McCutcheon Enterprises, Inc.	148680
104	25060	Unit #8.	37-059-25341	Cumberland	Greene	Tunnelton Liquids Company	14700
-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				TOTAL WASTE	675738
	9 3	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			11/1		
	5 4						
304	25061	Unit #9H ;	37-059-25342	Cumberland	Greene	Advanced Waste Services	59640
804	25061	Unit #9H.	37-059-25342	Cumberland	Greene	Appalachian Water Services, LLC	202440
104	25061	Unit #9H	37-059-25342	Cumberland	Greene	Franklin	46620
304	25061	Unit #9H	37-059-25342	Cumberland	Greene	McCutcheon Enterprises, Inc.	24780
304	25061	Init #9H	37-059-25342	Cumberland	Greene	Tunnelton Liquids Company	23730
	1			34104 91.4(15)	2.22	TOTAL WASTE	357210
		1				1707770777	
			-				
804	30418	12	37-063-36374	W. Wheatfield	Indiana	Advanced Waste Services	514584
304	30418	2	37-063-36374	W. Wheatfield	Indiana	Franklin	181020
304	30418	42	37-063-36374	W. Wheatfield	Indiana	Hart Resource Tech Plt	58170
304	30418	#2	37-063-36374	W. Wheatfield	Indiana	PA Brine Trt-Josephine Pit	50948
304	30418	#2	37-063-36374	W. Wheatfield	Indiana	Tunnelton Liquids Company	552266
	1					TOTAL WASTE	1356988
		100000000000000000000000000000000000000	-			12.112.112.12	
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804	24308	Jackson Farms #29	37-051-24227	Redstone	Fayette	Advanced Waste Services	83580
804	24308	Jackson Farms #29	37-051-24227	Redstone	Fayette	Tunnelton Liquids Company	4830
	2,000		0.30.2.4.	114444	, state	TOTAL WASTE	88410
	*					191111111111111111111111111111111111111	107.00
		-	1			***	
304	24309	Jackson Farms #30	37-051-24229	Redstone	Fayette	Advanced Waste Services	16800
	1202				10,000	TOTAL WASTE	16800
		-					1
804	24494	Jackson Farms #36H	37-051-24228	Redstone	Fayette	Tunnelton Liquids Company	9240
7					100	TOTAL WASTE	9240
	-					42.032.03.23	
-	1	1000					
304	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Advanced Waste Services	164430
304	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Appalachian Water Services, LLC	284130
804	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Franklin	177030
804	24310	Jackson Farms Unit #31H .	37-051-24235	Redstone	Fayette	PA Brine Trt-Josephine Plt	9870
304	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	McCutcheon Enterprises, Inc.	15120
804	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Tunnelton Liquids Company	101640
004	24310	Jackson Farms Unit #31H	37-051-24235	Medatolie	rayette	West Virginia Oll Gathering	101040

Otherwin

	-			7	T E	TOTAL WASTE	763098
			V =				
		4	The Paris			A	
04	24311	. Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Advanced Waste Services	178500
04	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Appalachian Water Services, LLC	54180
304 .	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	PA Brine Trt-Josephine Plt	32970
304	24311	Jackson Farms Unit #32H ·	37-051-24234	Redstone	Fayette	Tunnelton Liquids Company	20160
						TOTAL WASTE	285810
	1						
	-167-						
304	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Advanced Waste Services	59535
804	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Appalachian Water Services, LLC	79170
304	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Franklin	73920
304	24312	Jackson Farms Unit #33H.	37-051-24233	Redstone	Fayette	PA Brine Trt-Josephine Pit	54180
804	24312	Jackson Farms Unit #33H	37-051-24233	Redstone*	Fayette	Tunnelton Liquids Company	82110
			3			TOTAL WASTE	348915
		7 - 2.					
				-			
804	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Appalachian Water Services, LLC	5796
304	24995	Jackson Farms Unit #37H .	37-051-24369	Redstone	Fayette	Tunnelton Liquids Company	1512
						TOTAL WASTE	7308
		The state of the s					
	- 17						
804	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Appalachian Water Services, LLC	5880
804	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Tunnelton Liquids Company	1554
		3				TOTAL WASTE	7434
		100000000000000000000000000000000000000					
	1						
804	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Appalachian Water Services, LLC	5964
804	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Tunnelton Liquids Company	1554
			M. Comment			TOTAL WASTE	7518
			- 100				T
804	25925	#5	37-129-28252	Sewickley	Westmoreland	Advanced Waste Services	180180
804	25925	+#5	37-129-28252	Sewickley	Westmoreland	Appalachian Water Services, LLC	245070
804	25925	#5	37-129-28252	Sewickley	Westmoreland	Franklin	14700
804	25925	#5	37-129-28252	Sewickley	Westmoreland	PA Brine Trt-Josephine Plt	18900
804	25925	#5	37-129-28252	Sewickley	Westmoreland	Tunnelton Ligulds Company	458850
		7	1			TOTAL WASTE	
40		*			-		1
804	23240	#1	37-059-25225	Dunkard	Greene	Advanced Waste Services	728868
804	23240	#1	37-059-25225	Dunkard	Greene	Clinton #2	4410
804	23240	#1	37-059-25225	Dunkard	Greene	Franklin	45360
804	23240	H1 .	37-059-25225	Dunkard	Greene	PA Brine Trt-Josephine Plt	70014

804 .	23240	#1	37-059-25225	Dunkard	Greene	McCutcheon Enterprises, Inc.	113232
804	23240	#1-	37-059-25225	Dunkard	Greene	Miller & Co #3	17010
804 .	23240 .	#1	37-059-25225	Dunkard	Greene	Tunnelton Liquids Company	45780
1						TOTAL WASTE	1024674
	- / - // -						
						No. of the second second	
804	23241	#2	37-059-25226	Dunkard	Greene	Advanced Waste Services	4914
804 -	23241	12	37-059-25226	Dunkard	Greene	McCutcheon Enterprises, Inc.	45780
804	23241	#2	37-059-25226	Dunkard	Greene	Tunnelton Liquids Company	22680
						TOTAL WASTE	73374
1000							4
804	24974	¥17	37-059-25245	Dunkard	Greene	Advanced Waste Services	153132
804	24974	#17	37-059-25245	Dunkard	Greene	Appalachian Water Services, LLC	652260
804	24974	#17	37-059-25245	Dunkard	Greene	Franklin	166950
804	24974	#17 ***	37-059-25245	Dunkard	Greene	PA Brine Trt-Josephine Pit	13650
804	. 24974	¥17	37-059-25245	Dunkard	Greene	McCutchean Enterprises, Inc.	248304
804	24974	#17	37-059-25245	Dunkard	Greene	Tunnelton Liquids Company	92610
						TOTAL WASTE	1326906

	70 - 10 - 10						
804	24978	#21H	37-059-25248	Dunkard	Greene	Advanced Waste Services	33180
804	24978	#21H	37-059-25248	Dunkard	Greene	Appalachian Water Services, LLC	32970
804	24978	#21H ·	37-059-25248	Dunkard	Greene	Franklin	64680
804	. 24978	#21H ·	37-059-25248	Dunkard	Greene	PA Brine Trt-Josephine Plt	9870
804	24978	#21H .	37-059-25248	Dunkard	Greene	McCutcheon Enterprises, Inc.	306390
804	24978	#21H ·	37-059-25248	Dunkard	Greene	Tunnelton Liquids Company	5040
						TOTAL WASTE	452130
			-				
14.5		L.					
804	24979	122H	37-059-25249	Dunkard	Greene	Advanced Waste Services	14490
804	24979 .	22H	37-059-25249	Dunkard	Greene	Appalachian Water Services, LLC	14490
804	24979	#22H : ' '	37-059-25249	Dunkard	Greene	Franklin	41160
804	24979	#22H	37-059-25249	Dunkard	Greene	McCutcheon Enterprises, Inc.	51030
	, ,					TOTAL WASTE	121170
		* 1.					
	4			-			
804	25106	#4H	37-129-27964	Salem	Westmoreland	Advanced Waste Services	95970
804	25106	#4H '- :	37-129-27964	Salem	Westmoreland	Appalachian Water Services, LLC	4200
804	25106	#4H	37-129-27964	Salem	Westmoreland	Franklin	122220
804	25106	#4H -	37-129-27964	Salem	Westmoreland	PA Brine Trt-Josephine Plt	5040
804	25106	#4H	37-129-27964	Salem	Westmoreland	McCutcheon Enterprises, Inc.	28770
804	25106	#4H	37-129-27964	Salem	Westmoreland	Tunnelton Liquids Company	258510
		400				TOTAL WASTE	514710

	4	V		14 17	LI PARELLE LA VI		
304	25107.	#5	37-129-27942	Salem	Westmoreland	Advanced Waste Services	88830
804	25107	#5	37-129-27942	Salem	Westmoreland	Tunnelton Liquids Company	18480
						TOTAL WASTE	107310
		4	44				
-							
304.	25673	Jnit #2H	37-051-24261	German	Fayette	Advanced Waste Services	164010
304	25673	Jnit #2H	37-051-24261	German	Fayette	Appalachian Water Services, LLC	752892
304	25673	Unit #2H	37-051-24261	German	Fayette	Franklin	92610
304	25673	Jnit #2H-	37-051-24261	German	Fayette	PA Brine Trt-Josephine Pit	12180
304	25673	Unit #2H	37-051-24261	German	Fayette	McCutcheon Enterprises, Inc.	33600
304	25673	Jnlt #2H	37-051-24261	German	Fayette	Tunnelton Liquids Company	34650
			30.00			TOTAL WASTE	1089942
		0			7		17.7.7
		1					
304 -	25674	Unit #3H	37-051-24258	German	Fayette	Advanced Waste Services	88368
304	25674	Unit #3H	37-051-24258	German	Fayette	Appalachian Water Services, LLC	191520
304	25674	Unit #3H	37-051-24258	German	Fayette	Franklin	83916
804	25674	Unit #3H	37-051-24258	German	Fayette	PA Brine Trt-Josephine Plt	38430
804	25674	Unit #3H	37-051-24258	German	Fayette	McCutcheon Enterprises, Inc.	13440
- 2						TOTAL WASTE	415674
	-			-			1
			1		-	*****	
804	25675	Unit #4H	37-051-24259	German	Fayette	Advanced Waste Services	145320
804	25675	Unit #4H	37-051-24259	German	Fayette	Appalachian Water Services, LLC	275730
804	25675	Joit #4H	37-051-24259	German	Fayette	Franklin	108150
804	25675	Jnit #4H	37-051-24259	German	Fayette	PA Brine Trt-Josephine Plt	4830
804	25675	Jnit #4H	37-051-24259	German	Fayette	Tunnelton Liquids Company	24570
004	23073	Sinc (ext)	37-031-24233	Gennion	rayette	TOTAL WASTE	558600
	7.		+	-	_	TOTAL WASTE	330000
	_	1.15	-			+	+
804	24043	#21	37-059-25159	Monongahela	Greene	Advanced Waste Services	49350
804	24043	¥21	37-059-25159	Monongahela	Greene	Appalachian Water Services, LLC	965118
804	24043	#21	37-059-25159	Monongahela	Greene	Franklin	42000
804	24043	¥21 · · ·	37-059-25159	Monongahela	Greene	McCutcheon Enterprises, Inc.	18900
804	24043	421 .	37-039-23139	Mononganera	Greene	TOTAL WASTE	1075368
-	-		-			TOTAL WASTE	10/3308
			-			+	
804	24254	Unit #24	37-051-24226	German	Envette	Advanced Waste Services	24990
004	24254	Unit #24	37-031-24228	German	Fayette		24990
			+			TOTAL WASTE	24990
PD4	25605		27 050 25105	Managarhali	Current	lea	62000
804	-	33	37-059-25185	Monongahela	Greene	Advanced Waste Services	63840
804	25605	33	37-059-25185	Monongahela	Greene	Appalachian Water Services, LLC	672966
804	2560\$	33	37-059-25185	Monongahela	Greene	Franklin	148680

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304	25605	#33	37-059-25185	Monongahela	Greene	PA Brine Trt-Josephine Plt	9030
04	25605	#33	37-059-25185	Monongahela	Greene	McCutcheon Enterprises, Inc.	122934
04	25605	#33	37-059-25185	Monongahela	Greene	Tunnelton Liquids Company	45150
	340					TOTAL WASTE	1062600
	- 1						
			T. W. Piter	4 77	1-17-1		
804	25616	Unit #34H	37-051-24225	German	Fayette	Tunnelton Liquids Company	10080
					5	TOTAL WASTE	10080
	11						
100							
304	25758	ł9	37-129-28113	Rostraver	Westmoreland	Advanced Waste Services	472710
304	25758	49	37-129-28113	Rostraver	Westmoreland	Appalachian Water Services, LLC	413322
304	25758	#9	37-129-28113	Rostraver	Westmoreland	Clinton #2	4410
804	25758	#9	37-129-28113	Rostraver	Westmoreland	Franklin	620340
804	25758	49	37-129-28113	Rostraver	Westmoreland	PA Brine Trt-Josephine Pit	18900
804	25758	#9	37-129-28113	Rostraver	Westmoreland	McCutcheon Enterprises, Inc.	63840
304	25758	#9 · · ·	37-129-28113	Rostraver	Westmoreland	Miller & Co #3	55020
304	25758	#9	37-129-28113	Rostraver	Westmoreland	Tunnelton Liquids Company	411474
						TOTAL WASTE	2060016
	C. T. I						1
				10.70.70			
804	25651	#2	37-129-27989	S. Huntingdon	Westmoreland	Advanced Waste Services	197484
804	25651	#2	37-129-27989	5. Huntingdon	Westmoreland	Franklin	4830
804	25651	#2	37-129-27989	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Plt	165648
804	25651	#2	37-129-27989	5. Huntingdon	Westmoreland	McCutcheon Enterprises, Inc.	426426
						TOTAL WASTE	794388
804	30425	Unit #I	37-063-36627	W. Wheatfield	Indiana	Advanced Waste Services	1084608
804	30425 +	Unit #1	37-063-36627	W. Wheatfield	Indiana	Franklin	61320
804	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Hart Resource Tech Pit	13902
804	30425	Unit #1	37-063-36627	W. Wheatfield	Indlana	PA Brine Trt-Josephine Plt	75180
804	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Tunnelton Liquids Company	119826
						TOTAL WASTE	1354836
		200					
804	25769	#4	37-051-24266	Springhill	Fayette	Advanced Waste Services	51030
804	25769	#4	37-051-24266	Springhill	Fayette	Appalachian Water Services, LLC	1093512
304	25769	#4	37-051-24266	Springhill	Fayette	Franklin	63840
804	25769	#4	37-051-24266	Springhill	Fayette	PA Brine Trt-Josephine Plt	18480
804	25769	#4	37-051-24266	Springhill	Fayette	McCutcheon Enterprises, Inc.	80640
804	25769	#4	37-051-24266	Springhill	Fayette	Tunnelton Liquids Company	9660
-	25,05			- Frankissi		TOTAL WASTE	1317162
					_	T. W. HILLAND	12041404
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804-	25853	bell #20	37-059-25362	Jefferson	Greene	Advanced Waste Services	80388
04	25853	#20	37-059-25362	Jefferson	Greene	Appalachian Water Services, LLC	1164702
04	25853	#20	37-059-25362	Jefferson	Greene	Franklin	9870
04	25853	#20	37-059-25362	Jefferson	Greene	McCutcheon Enterprises, Inc.	65478
04 -	25853	#20	37-059-25362	Jefferson	Greene	Tunnelton Liquids Company	16800
						TOTAL WASTE	1337238
		1920	1 21				
		7.					
304	25924	National Mines Corp #25H	37-051-24365	Luzerne	Fayette	Advanced Waste Services	40950
304	25924	National Mines Corp #26H	37-051-24365	Luzerne	Fayette	Appalachian Water Services, LLC	419160
304	25924	National Mines Corp #26H	37-051-24365	Luzerne	Fayette	Franklin	28980
304	25924	National Mines Corp #26H	37-051-24365	Luzerne	Fayette	PA Brine Trt-Josephine Plt	8820
304	25924	National Mines Corp #26H	37-051-24365	Luzerne	Fayette	McCutcheon Enterprises, Inc.	175476
304	25924.	National Mines Corp #26H	37-051-24365	Luzerne	Fayette	Tunnelton Liquids Company	48930
			nty like Linguis Hill			TOTAL WASTE	722316
		1.0			11.	1.3	
	1 1 3				1		
804 :	24834	Jnit#1 :	37-051-24252	Lower Tyrone	Fayette	Advanced Waste Services	279720
304	24834	Unit #1	37-051-24252	Lower Tyrone	Fayette	Clinton #2	4410
304	. 24834	Unit #1	37-051-24252	Lower Tyrone	Fayette	Franklin	112560
304	24834	Jnit #1	37-051-24252	Lower Tyrone	Fayette	PA Brine Trt-Josephine Pit	162960
804	24834	Unit #1	37-051-24252	Lower Tyrone	Fayette	McCutcheon Enterprises, Inc.	273504
804	24834	Unit #1	37-051-24252	Lower Tyrone	Fayette	Miller & Co #3	85050
804	24834	Unit #1	37-051-24252	Lower Tyrone	Fayette	Tunnelton Liquids Company	28140
804	24834	Jnit #1	37-051-24252	Lower Tyrone	Fayette	Waste Treatment Corporation	19320
15						TOTAL WASTE	965664
	7 -						
	2 7						
804.	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	Advanced Waste Services	440580
804	25197	Jnit #3H	37-051-24257	Lower Tyrone	Fayette	Appalachian Water Services, LLC	1539174
804	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	Franklin	260190
804	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	PA Brine Trt-Josephine Plt	168630
804	25197	Jnit #3H	37-051-24257	Lower Tyrone	Fayette	Tunnelton Liquids Company	386190
L.	- 1				2 1	TOTAL WASTE	2794764
	6 1	Contraction to the	1 - 1				
804	30424	UT#1	37-063-36737	W. Wheatfield	Indiana	Advanced Waste Services	538230
804	30424	UT #1	37-063-36737	W. Wheatfield	Indiana	Hart Resource Tech Pit	9240
804	30424	UT #1	37-063-36737	W. Wheatfield	Indiana	PA Brine Trt-Josephine Plt	28560
804	30424	UT#1 .	37-063-36737	W. Wheatfield	indiana	Tunnelton Liquids Company	99540
						TOTAL WASTE	675570
					-		
804	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Advanced Waste Services	699090
804	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Franklin	55440

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804	257.42	UT #2H	37-063-36738	W. Wheatfield	Indiana	PA Brine Trt-Josephine Plt	112560
804	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Tunnelton Liquids Company	20160
		The second year of		TTT TTT COLUMN	The same	TOTAL WASTE	887250
50.	25025		27.054.24240				-
804	25026	#29	37-051-24249	Washington	Fayette	Advanced Waste Services	379260
804	25026	#29	37-051-24249	Washington	Fayette	Appalachian Water Services, LLC	1269156
804	25026	7	37-051-24249	Washington	Fayette	Franklin	73290
804	25026	#29	37-051-24249	Washington	Fayette	PA Brine Trt-Josephlne Plt	4620
804	25026	#29.	37-051-24249	Washington	Fayette	McCutcheon Enterprises, Inc.	40320
804	25026 .	#29	37-051-24249	Washington	Fayette	Tunnelton Liquids Company	102900
						TOTAL WASTE	1869546
	1 m						
804 _	23183	#16	37-125-23339	Rabinson	Washington	Advanced Waste Services	10290
						TOTAL WASTE	10290
804	24920	#19H	37-125-23334	Robinson	Washington	Advanced Waste Services	852600
804	24920	#19H ·	37-125-23334	Robinson	Washington	Franklin	4830
804	24920	#19H	37-125-23334	Robinson	Washington	Hunter	9240
804	24920	#19H ·	37-125-23334	Robinson	Washington	Tunnelton Liquids Company	20160
804	24920	#19H	37-125-23334	Robinson	Washington	West Virginia Oil Gathering	119028
	1					TOTAL WASTE	1005858
	3		W. U. J. W.			10-	
804	24295 -	#18	37-059-25314	Cumberland	Greene	Advanced Waste Services	92862
804	24295	#18	37-059-25314	Cumberland	Greene	Franklin	52500
804	24299	#18	37-059-25314	Cumberland	Greene	PA Brine Trt-Josephine Plt	44394
804	24295	#18	37-059-25314	Cumberland	Greene	McCutcheon Enterprises, Inc.	93156
						TOTAL WASTE	282912
1	100				1		
804	25304	#8	37-129-28084	Sewickley	Westmoreland	Advanced Waste Services	252000
804	25304	#8	37-129-28084	Sewickley	Westmoreland	Franklin	124740
804	25304	#8 2 6 .	37-129-28084	Sewickley	Westmoreland	McCutcheon Enterprises, Inc.	647640
804	25304	#8	37-129-28084	Sewickley	Westmoreland	Tunnelton Liquids Company	319620
1	1	**				TOTAL WASTE	1344000
	-				+=-		
804	23741	#4	37-125-23711	Deemston	Washington	Advanced Waste Services	643398
804	23741	#4	37-125-23711	Deemston	Washington	Franklin	42420
804	23741	¥4 ·	37-125-23711	Deemston	Washington	PA Brine Trt-Josephine Plt	32760
804	23741	¥4 .	37-125-23711	Deemston	Washington	McCutcheon Enterprises, Inc.	14490

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804	23741	Shoup #4	37-125-23711	Deemston	Washington	Tunnelton Liquids Company	22680
•						TOTAL WASTE	793968
146	-						
804	24463	14 .	37-129-27991	Sewickley	Westmoreland	Advanced Waste Services	474390
804	24463	14 :	37-129-27991	Sewickley	Westmoreland	Franklin	68250
804	24463	14	37-129-27991	Sewickley	Westmoreland	McCutcheon Enterprises, Inc.	290640
804	24463		37-129-27991	Sewickley	Westmoreland	Tunnelton Liquids Company	80430
		Carlotte and the second				TOTAL WASTE	913710
		- A					
804	24756	#7H	37-129-27982	Sewickley	Westmoreland	Advanced Waste Services	34020
804	24756	#7H	37-129-27982	Sewickley	Westmoreland	Franklin	23520
804	24756	#7H	37-129-27982	Sewickley	Westmoreland	PA Brine Trt-Josephine Plt	25830
804	24756	#7H	37-129-27982	Sewickley	Westmoreland	McCutcheon Enterprises, Inc.	123102
804	24756	#7H	37-129-27982	Sewickley	Westmoreland	Tunnelton Liquids Company	25830
	24750	, , ,	1		1	TOTAL WASTE	232302
					-	7-03-110-13	-
_	0.						
804	24895	#8	37-129-27983	Sewickley	Westmoreland	Advanced Waste Services	69216
804 -	24895	#8	37-129-27983	Sewickley	Westmoreland	PA Brine Trt-Josephine Pit	39354
804	24895	#8	37-129-27983	Sewickley	Westmoreland	McCutcheon Enterprises, Inc.	142044
804	24895	#8	37-129-27983	Sewickley	Westmoreland	Tunnelton Liquids Company	24780
004	. 24033	#0	37-123-27303	JEWICKIEY	Westinorciano	TOTAL WASTE	275394
	-		-	-		TOTAL WASTE	273334
	-		-	· · · · · · · · · · · · · · · · · · ·	_	-	
224	propri	#1	22 054 24244	Franklin	Country	Advanced Waste Services	66360
804	25996	H.A.	37-051-24314	Franklin	Fayette		
804	25996	#1	37-051-24314	Franklin	Fayette -	Appalachian Water Services, LLC	406350
804	25996	#1	37-051-24314	Franklin	Fayette	PA Brine Trt-Josephine Plt	13020
804	25996	#1	37-051-24314	Franklin	Fayette	Tunnelton Liquids Company	95340
		-179				TOTAL WASTE	581070
							-
11							
804	25880	Jnlt #1H	37-051-24279	Brownsville	Fayette	Advanced Waste Services	18186
804	25880	Jnit #1H	37-051-24279	Brownsville	Fayette	Appalachian Water Services, LLC	663054
804	25880	Jnit #1H	37-051-24279	Brownsville	Fayette	Tunnelton Liquids Company	50715
		A				TOTAL WASTE	731955
804	25881	Unit #2H	37-051-24280	Brownsville	Fayette	Advanced Waste Services	18144
804	25881	Unit #2H	37-051-24280	Brownsville	Fayette	Appalachian Water Services, LLC	637266
804	25881	Unit #2H	37-051-24280	Brownsville	Fayette	Tunnelton Liquids Company	54285
	1000	1				TOTAL WASTE	709695
				1 1			
			•				

- 1

304	26040	nit #32H	37-051-24316	Redstone	Fayette	Advanced Waste Services	144480
04	26040	Jnit #32H	37-051-24316	Redstone . :	Fayette	Appalachian Water Services, LLC	722232
04	26040	Jnit #32H	37-051-24316	Redstone	Fayette	PA Brine Trt-Josephine Plt	2730
04	26040	Unit #32H	37-051-24316	Redstone	Fayette	Tunnelton Liquids Company	13230
						TOTAL WASTE	882672
						In the state of th	
04	26041	Unit #33H . '	37-051-24317	Redstone	Fayette	Advanced Waste Services	179970
04	26041	Unit #33H	37-051-24317	Redstone	Fayette	Appalachian Water Services, LLC	439950
04	26041 .	Unit #33H ·	37-051-24317	Redstone	Fayette	Tunnelton Liquids Company	31080
				11.		TOTAL WASTE	651000
						,	1 1 7
			10.00				
104	25759 .	h #59H	37-129-28130	Rostraver	Westmoreland	Appalachian Water Services, LLC	756
						TOTAL WASTE	756
					1,11		
			17 477 4447		1		-
04	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Advanced Waste Services	4200
04	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Appalachian Water Services, LLC	756
04	23467	Unit #39 :	37-129-28129	Rostraver	Westmoreland	PA Brine Trt-Josephine Plt	3570
4			4			TOTAL WASTE	8526
							-
304	25750	Unit #60H	37-129-28131	Destroye	Martmaraland	Appalachian Water Services, LLC	4000
304	25760 25760	Unit #60H	37-129-28131	Rostraver Rostraver	Westmoreland Westmoreland		4998 3528
004	25700	Olit #00A	37-129-20131	Rostraver	vvesunoreianu	West Virginia Oil Gathering TOTAL WASTE	8526
			+	-		TOTAL WASTE	8546
_			-				
304	24557	# 5	37-129-28008	S. Huntingdon	Westmoreland	Advanced Waste Services	44730
304	24557 -	#5 .	37-129-28008	S. Huntingdon	Westmoreland	Franklin	205170
304	24557	#5	37-129-28008	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Plt	5040
304	24557	#5	37-129-28008	S. Huntingdon	Westmoreland	McCutcheon Enterprises, Inc.	373254
304	24557	#5	37-129-28008	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	119868
	1.00		01 120 2000	- Contracting Cont	17554115141315	TOTAL WASTE	748062
						11.00	
-			1				
804	24154	#19	37-059-25162	Jefferson	Greene	Advanced Waste Services	322980
304	24154	#19	37-059-25162	Jefferson	Greene	Franklin	34020
304	24154	#19	37-059-25162	Jefferson	Greene	PA Brine Trt-Josephine Pit	90720
304 .	24154	#19	37-059-25162	Jefferson	Greene	McCutcheon Enterprises, Inc.	323106
304	24154	#19	37-059-25162	Jefferson	Greene	Miller & Co #3	38010
304	24154	#19:	37-059-25162	Jefferson	Greene	Tunnelton Liquids Company	9660
						TOTAL WASTE	818496
						1	
1 2 .	1.4						

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804	25887	#1 .	37-051-24284	Franklin	Fayette	Advanced Waste Services	104160
04	25887	#1"	37-051-24284	Franklin	Fayette	Appalachian Water Services, LLC	460782
04	25887	#1	37-051-24284	Franklin	Fayette	Tunnelton Liquids Company	61740
	- 120-	7-1-		1 1		TOTAL WASTE	626682
	- Land				A Marie Taranta		
		-7.					
304	24430	#2	37-059-25161	Cumberland	Greene	Advanced Waste Services	420966
304	24430	#2	37-059-25161	Cumberland	Greene	Clinton #2	16380
804	24430	#2	37-059-25161	Cumberland	Greene	Franklin	78750
304	24430	#2	37-059-25161	Cumberland	Greene	PA Brine Trt-Josephine Pit	71610
304	24430	#2	37-059-25161	Cumberland	Greene	McCutcheon Enterprises, Inc.	606984
304	24430) #2	37-059-25161	Cumberland	Greene	Milier & Co #3	186564
804	24430	#2	37-059-25161	Cumberland	Greene	Tunnelton Liquids Company	72618
						TOTAL WASTE	1453872
					1		
Y	1.18	1					
304	25389	#1	37-129-28123	Sewickley	Westmoreland	Advanced Waste Services	166824
304	25389	#1	37-129-28123	Sewickley	Westmoreland	Appalachian Water Services, LLC	1130262
304	25389	#1	37-129-28123	Sewickley	Westmoreland	Hunter	10500
304	25389	. #1	37-129-28123	Sewickley	Westmoreland	PA Brine Trt-Josephine Plt	4620
304	25389	#1	37-129-28123	Sewickley	Westmoreland	Tunnelton Liquids Company	54810
304	25565	-	37-120-20-120	Sewickiey	TYCSONOICIONO	TOTAL WASTE	1367016
		1	-		+	TOTAL WASTE	1307010
			+				1
804	26048	Unit-#20H-	37-129-28264	S. Huntingdon	Westmoreland	Advanced Waste Services	153510
804	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Appalachian Water Services, LLC	889938
804	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	PA Brine Trt-Josephine Plt	23520
804	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	79800
004	20048	Dint WEUT	37-723-20201	3. Horidinguon	TV CSUITOI CIOTIG	TOTAL WASTE	1146768
	_		-			TOTAL WASTE	1140700
	-		-	_	-		
804	24410	#27	37-051-24247	Springhill	Fayette	Advanced Waste Services	475818
804		#27		Springhill		Clinton #2	8820
	24410	¥27	37-051-24247		Fayette	Franklin	232260
804	24410		37-051-24247	Springhill	Fayette		758436
804	24410	1747	37-051-24247	Springhill	Fayette	McCutcheon Enterprises, Inc.	
804 :	24410	#27	37-051-24247	Springhill	Fayette	Miller & Co #3	46830
_			-	-		TOTAL WASTE	1522164
			-		-	-	
BOA	DERF	ACU	27 176 22062	Doomstee	Marhinston	Advanced Waste Services	173040
804	25855	#5H .	37-125-23962	Deemston	Washington		397320
804	25855	#5H	37-125-23962	Deemston	Washington	Appalachian Water Services, LLC	
804	25855	#5H.	37-125-23962	Deemston	Washington	PA Brine Trt-Josephine Plt	21000 25620
804	25853	#5H	37-125-23962	Deemston	Washington		
804	25855	#5H .	37-125-23962	Deemston	Washington	Tunnelton Liquids Company	19740
						TOTAL WASTE	636720

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				TOTALS:	
		-		Advanced Waste Services	21427392
	* * * * *			Appalachian Water Services, LLC	30573984
,	*			Clinton #2	82320
				Franklin	5827836
6				Hart Resource Tech Plt	81312
1	1 - 4 - 1 - 1	1.1523		Hunter	19740
			Test Company of the	PA Brine Trt-Josephine Plt	2048132
	1			McCutcheon Enterprises, Inc.	9958053
				Miller & Co #3	790734
	1			Patriot Water Treatment, LLC	514500
100				Tunnelton Liquids Company	5510639
- N. 16		A FA FA		Waste Treatment Corporation	53130
 0.00				West Virginia Oil Gathering	957558
				GRAND TOTAL OF FACILITIES	77845330

1 + £

Exhibit 2D



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 legi	bly printed in the space ed sheet as Form 26R,	ately completed. All request provided. If additional some reference the item numbers needs to match the date.	pace is necessary, ide ber and identify the	ntify Date Receiver	ISE ONLY 2008 d & General Notes
-		rence 287.54				
Date	Prepare	d/Revised				
		E SECTION A	CLIENT GENERATO	ROFTHEWASTE)	NEORMATION	
	pany Na	Control of the Contro				
		rces, LLC y, Name of Parent Comp	201		EDA C	Senerator ID#
II a Si	upsidiai	y, Name of Parent com	anny		LI'A'S	Seliciator ID# .
		iling Address Line 1 n View Drive	C	Company Mailing Addr	ess Line 2	
Transport to the safe		dress Last Line - City	State	Zip+4	Phone	Ext
Smith			PA	15478+8902	724-564-2360	137
The Market Control		ntact Last Name	First Name	MI L	Suffix	
Butch	ipality		Jenny	County		
Georg				Fayette		
	ct Phor		Contact Email Address	9		
	64-236		jbutchko@atlasenergy.c			
			ny Mailing Address (noted neration and storage. See		П	Yes 🛛 No
11 140	, besch	be location of waste ger	ieration and storage. oee	attacimient		
Munic	ipality	Georges	County Fayel	lte	State	PA
					The state of the s	1.7
			SECTION BY WAS		VIEW TO DESIGN	
	idual	Resid	-SECTI©N BT. WAS ual Waste	PEDESCRIPTION	Unit of	Time
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Waste	idual e Code pH Ra	Resid Code D Drilling Fluid	SECRETONIES WAS ual Waste Description C 1. GENERALI a to n/a	Amount See attachment Robertuss (based on analyses or	Measure □ cu yd ⊠ gal □ lb □ ton	Time Frame 3010
Waste 803	pH Ra	Resid Code D Drilling Fluid	SECRETONIES WAS ual Waste Description EL GENERAL	Amount See attachment Replanues (based on analyses or ethod 9095)	Measure □ cu yd ⊠ gal □ lb □ ton	Time Frame 3010
Waste 803 a.	pH Ra	Resid Code D Drilling Fluid	Use Color Clear	Amount See attachment Representation (based on analyses or ethod 9095) 195) ature & pressure)	Measure □ cu yd	Time Frame a 010
Waste 803 a. b.	pH Ra	Resid Code D Drilling Fluid	SECREGINES WAS ual Waste Description GENERAL to n/a Liquid Waste (EPA Method 90) Gas (ambient temperate of Solid or Liquid Number Or Solid	Amount See attachment ROPERUS (based on analyses or ethod 9095) 195) ature & pressure) Odd Phases of Separation	Measure □ cu yd	Time Frame a 010
Waste 803 a. b.	pH Ra	Resid Code D Drilling Fluid	Use Color Clear	Amount See attachment ROPERUS (based on analyses or ethod 9095) 195) ature & pressure) Odd Phases of Separation	Measure □ cu yd	Time Frame a 010
Waste 803 a. b.	pH Ra	Resid Code D Drilling Fluid nge r/s cal State	SIECEIONES WAS ual Waste Description I GENERAL! I to n/a Liquid Waste (EPA Method 90 Gas (ambient tempera Color Clear Number of Solid or Liqui Describe each phase of s	Amount See attachment Recherups (based on analyses or ethod 9095) (95) ature & pressure) Od Phases of Separations	Measure □ cu yd	Time Frame a 010
Waste 803 a. b.	idual Code PH Ra Physic Physic	Resid Code D Drilling Fluid nge r/a cal State cal Appearance	SECREGINES WAS ual Waste Description GENERAL to n/a Liquid Waste (EPA Method 90 Gas (ambient temperate of Solid or Liquid Number Or Solid Or Sol	Amount See attachment Recherues (based on analyses or ethod 9095) (95) ature & pressure) Od Phases of Separations separation.	Measure □ cu yd	Time Frame a 010
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* Characterization is on file at the DEP that refers to the county in which the Stream was generated.

A detailed description of the manufacturing and/or pollution control processes producing A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processes producing the waste, A schematic of the manufacturing and/or pollution control processing the schematic processing or pollution control processing the schematic processing or disposal facility in the processing until the schematic processing or disposal facility being utilized. Address Line 1 Address City State ZIP Municipality City of New Castle General Manager Phone Total for Part of the manufacturing and/or processing or disposal facility in the previous year. Cuty of year of sposal facility in the previous year. Cuty of year of sposal facility in the previous year. Cuty of year of sposal facility in the previous year. Connelisville Address Line 1 Address City State ZIP Masonlown Appalachian Water Services, LLC 195 Enterprise Lane Address City State ZIP Masonlown County Fayette Facility Contact Name Facility Contact Name George Milne Title Supervisor Yolume of waste shipped to processing or disposal facility in the previous year. Connelisville Phone 724-553-2081 Email Address georgem@shallenbergerconstruction orm Volume of waste been approved for beneficial use? If "Yes", list the general perimit number or approval number. Volume of waste beneficially used in the previous year.		a transfer of the second second	3. PROCESS DESCRIPTION	& SCHEMATIC ATTA	CHMENTS	40.00	**********
A schematic of the manufacturing and/or pollution control processes producing the waste, a specified in the instructions, is attached. If portions of the information submitted are confidential, the substantiation for	a.	A detailed description of the	ne manufacturing and/or p	ollution control proc		∀es	No
A schematic of the manufacturing and/or pollution control processes producing the waste,		the waste, as specified in t	the instructions, is attached	d. A See Q	Harmon	~	_
as specified in the instructions, is attached. If portions of the information submitted are confidential, the substantiation for	-	A pohometic of the manufe	studios andles pollution of				N N-
a confidentiality claim, as described in the Instructions, is attached. SCCTION (S. MANAGEMEN) OF RESIDUAL WASTE II PROCESSING OR DISPOSAL FACILITY(ES). he 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. PAR0000291 Facility Name Address Line 1 Anthony Cialeila Title General Manager Phone T24-657-8777 Email Address avialella@davancedwasteservices.cc Solid waste permit number(s) for processing or disposal facility in the previous year. cuyd gal b ton (check one) Solid waste permit number(s) for processing or disposal facility being utilized. 253723 Facility Name Appalachian Water Services, LLC Address Line 1 Address L				ontroi processes pro	ducing the waste,	L] res	NO
a confidentiality claim, as described in the Instructions, is attached. SECTION'S MANAGEMENT OF RESPONAL WASJE					n for Yes	No No	N/
PROCESSING OR DISPOSAL FACILITY (IES)		a confidentiality claim, as	described in the instruction	ns, is attached.			
PROCESSING OR DISPOSAL FACILITY (IES)	in the same	in the control of the	TIONE MANAGEM	ENT OF PECINI	INI MASTE	W. Segunder	ALL PROPERTY AND
he 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. PAR0000291 Facility Name	- 46	The state of the s	to a mine the life of the second seco	the bearing the second of the life of the second of the se	CHIEF CO. O. C. LEWIS CO. P. C. STREET, C. L.		to the second
Solid waste permit number(s) for processing or disposal facility being utilized. PAR0000291 Facility Name	147	TO LETE ALEXANDER TO THE MEAN OF	THE BOCESSING OR	DISPUSAL FAGILITY	s additional about	A Parameter	
Facility Name	ne a		Capting a round principle of Old Contract Con-	And the second s	and the same of th	n necessary	
Facility Name			(s) for processing or dispo	osal facility being uti	lized.		
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Address Line 1 Address City State ZIP Municipality City of New Castle County Lawrence Facility Contact Name Title Phone Total-657-8777 Total-657-8777 Email Address Antiony Cialella General Manager Phone Total-657-8777 Total-657-87				~			
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Municipality City of New Castle County Lawrence Facility Contact Name Title General Manager 724-657-8777			New Castle	PΔ	16101		
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Volume of waste shipped to processing or disposal facility in the previous year. Cu yd Sal Ib ton (check one)		2,511.7				-	
Solid waste permit number(s) for processing or disposal facility being utilized. 253723 Facility Name		Phone	/24-657-8///	Email Address	avialella@advar	icedwastese	rvices.co
Facility Name		Volume of waste shipped to)	
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		Votalite of waste belieficial	cu yd gal		(check one)	2.3

Deng 122		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 Notions, is attached.	
C.		on submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.	
		HON OF MANAGEMENT OF RESIDUAL WAS TE	STATE OF THE PARTY OF
The a	rea below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.	
а.	Solid waste permit number 3262	r(s) for processing or disposal facility being utilized.	Ì
b.	Facility Name	Clinton SWIW #2	7
	Address Line 1	P.O. box 367	T
	Address Line 1		
	Address City State ZIP	Garrettsville OH 44231	
	Municipality	Freedom County Portage	
C.	Facility Contact Name	Dave Ballentine	
	Title	President	
	Phone	330-221-6681 Email Address davjball@yahoo.com	
d.	Volume of waste shipped to	o processing or disposal facility in the previous year. Cuyd gal Db Ocheck one)	
a.	Solid waste permit number PA 0101508	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Franklin	
	Address Line 1	5148 US 322	
	Address Line 1		
	Address City State ZIP	Franklin PA 16323	
	Municipality	Sandycreek County Venango	-
C.	Facility Contact Name	Elton DeLong	
	Title	Operations Manager	
	Phone	814-437-3593 Email Address sparky@pabrine.com	
d.		o processing or disposal facility in the previous year. Cuyd gal lb lton (check one)	1
A STATE OF		20Beneficial Use 17 Part 17 Part 18 Pa	ere.
a.	Has the waste been approv	red for beneficial use?	ī
		rmit number or approval number.	+
b.	Volume of waste beneficial	ly used in the previous year. Cuyd gal b lon (check one)	
	3		

10-11-2		3. PROCESS DESCRIPTION	ON & SCHEMATIC ATTA	CHMENTS		
a.	A detailed description of the waste, as specified in			esses producing	⊠ Yes	☐ No
b.	A schematic of the manufa as specified in the instruct		control processes pro	oducing the waste,	Yes	⊠ No
C.	If portions of the informati a confidentiality claim, as			on for Yes	□ No	N/A
		ION C MANAGEI				
The a	area below (ad.) will accomm				if necessary	
а.	Solid waste permit number PA 0095443	r(s) for processing or dis	posal facility being ut	ilized.	-	
ь.	Facility Name	Hart Resource Tec	h Pit			
	Address Line 1	P.O. Box 232 TR 1	10 West			
	Address Line 1					
	Address City State ZIP	Creekside	PA	15732		
-	Municipality	Washington	County	Indiana		
c.	Facility Contact Name	Becky Snyder				
	Title	Operations Manage	er			
	Phone	724-349-8600	Email Address	hart8600@como	ast.net	
d. a	Volume of waste shipped t Solid waste permit number	☐ cu yd ☐ gal	b to	n (check one))	
	PA 0095273					
b.	Facility Name	PA Brine Trt-Joseph	hine Plt			
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Sandycreek	County	Venango		
C.	Facility Contact Name	Elton DeLong				
	Title	Operations Manage	er .			
	Phone	814-437-3593	Email Address	sparky@pabrine	.com	
d.	Volume of waste shipped to	o processing or disposal ☐ cuyd ☑ gal	facility in the previou			
		12 2 2 32 BB	NEFICIALLUSE			S varsionill
a.	Has the waste been approv	ed for beneficial use?			Yes	☐ No
	If "Yes", list the general pe	mit number or approval	number.		1	
b.	Volume of waste beneficial			n (check one)		

West 1		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS - SELECTION	The state of the s	Land of
а.	A detailed description of t	the manufacturing and/or pollution control processes producing the instructions, is attached.	res 🔲 N	Vo
b.	A schematic of the manufa as specified in the instruct		Yes 🛭 N	No
C.	a confidentiality claim, as	described in the instructions, is attached.	No 🛛 N	N/A
	STATE OF THE PARTY	TION COMANAGEMENT OF RESIDUAL WASTE 1 PROCESSING OR DISPOSAL BACHETY (IES)		
The	area below (ad.) will accomm	modate the identification of two facilities. Attach additional sheets if nece	ssary.	
a.	Solid waste permit number 101674	er(s) for processing or disposal facility being utilized.		
b.	Facility Name	McCutcheon Enterprises, Inc.		
	Address Line 1	250 Park Road		
	Address Line 1			
	Address City State ZIP	Apollo PA 15613		
	Municipality	Alleghney County Westmoreland		
C.	Facility Contact Name	Mack Flood		
	Title	Business Development Engineer		
	Phone	724-568-3623 Email Address mackf@completewaste	emgmt.com	
d.	Volume of waste shipped t	to processing or disposal facility in the previous year. cu yd gal lb ton (check one)		
a.	Solid waste permit number 4355	r(s) for processing or disposal facility being utilized.		
b.	Facility Name	Miller & Co. #3		
	Address Line 1	P.O. Box 367		
	Address Line 1			
	Address City State ZIP	Garrettsville OH 44231		
	Municipality	Freedom County Portage		
c.	Facility Contact Name	Dave Ballentine		
	Title	President		
	Phone	330-221-6681 Email Address davejball@yahoo.com		
d.	Volume of waste shipped to	to processing or disposal facility in the previous year. cu yd gal lb ton (check one)		
d.	Volume of waste shipped to			
	Volume of waste shipped to	□ cu yd	Yes 🔲 N	Vo
d. a.	Has the waste been approv	□ cu yd	res N	Vo

a.		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
-4.		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.
	L. AND	HONG MANAGEMENT OF RESIDUAL WASTE (A. 1997)
		1 Processing or Disposal Each Dy (ies)
The :	area below (ad.) will accomm	nodate the identification of two facilities. Attach additional sheets if necessary.
a.		r(s) for processing or disposal facility being utilized.
b.	Facility Name	Tunnelton Liquids Company
	Address Line 1	P.O. Box 667
	Address Line 1	
	Address City State ZIP	Clarion PA 16214
	Municipality	Clarion Borough County Clarion
o	Facility Contact Name	Paula Wolbort
	Title	Accountant
	Phone	814-226-5016 Email Address pwolbort@usachoice.net
d. a.	13.11. 5.15.11	o processing or disposal facility in the previous year. Cuyd Sqal Ib ton (check one) (s) for processing or disposal facility being utilized.
b.	Facility Name	Waste Treatment Corporation
	Address Line 1	341 West Harmer Street
	Address Line 1	a representation and a second a
	Address City State ZIP	Warren PA 16365
	Municipality	City of Warren County Warren
	Facility Contact Name	Eric Johnson
	Title	Plant Supervisor
	Phone	724-228-9674 Email Address accounting@waste-treatment.net
	Volume of waste shipped to	o processing or disposal facility in the previous year. Cu yd gal Ib ton (check one)
1,		
1.		AD LANGE OF THE SECOND SECURITY OF THE PROPERTY OF THE SECOND SECURITY OF THE SECOND SECOND SECURITY OF THE SECOND SECURITY OF THE SECOND SECURITY OF THE SECOND SECOND SECURITY OF THE SECOND S
	Has the waste been approv	

	(-	3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS						
a.	B	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							
C.		ion submitted are confidential, the substantiation for Yes No N/A described in the instructions, is attached.						
The	area below (ad.) will accomm	TION G. MANAGEMENT OF RESIDUAL WASTE 1. PROCESSING OR DISPOSAL FACILITY (IES) nodate the identification of two facilities. Attach additional sheets if necessary.						
a.	Solid waste permit number WV3416729395	r(s) for processing or disposal facility being utilized.						
b.	Facility Name	West Virginia Oil Gathering						
	Address Line 1	157 Lower Eureka Road						
	Address Line 1	101 20101 2010101						
	Address City State ZIP	Saint Mary's WV 26170						
	Municipality	County Pleasant						
_	Facility Contact Name	Bob Gerst						
C.	Title							
	1000	State Manager 304-665-2461 Email Address boerst@wyogaon.com						
	Phone	304-665-2461 Email Address bgerst@wvogaop.com						
d.	Volume of waste shipped to	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							
J.	Address Line 1							
	Address Line 1							
	Address City State ZIP							
	Municipality	County						
_	Facility Contact Name							
C.	the second control of							
	Title	First Addition						
	Phone	Email Address						
d.	Volume of waste shipped to	o processing or disposal facility in the previous year. Cu yd gal lb ton (check one)						
		BENGE CIAL USE A SANCE OF A SANCE						
a.	Has the waste been approv							
		ermit number or approval number.						
h .		lly used in the previous year.						
b, `	Volume of waste deficition	cu yd gal lb ton (check one).						

		at the submission of false information herein is made subject to the penalties of 18 Pa. (Isification to authorities, which include fine and imprisonment.	C.S
Che	ck the following, if appli		
П	I certify the informat	on required in Section B-1, General Properties was supplied to the Department for the yanged.	yea
	Form Submitted:	Form 26R	
		Other (specify)	
	Date Submitted:		
	certify the informat	on required in Section B-2, Chemical Analysis was supplied to the Department for the yanged.	/ea
	Form Submitted:	Form 26R	
	Form Submitted.	Li .1 Olili Zoli	
	Form Submitted.	Other (specify)	
	Date Submitted:		
	Date Submitted:	Other (specify) required in Section B-3, Process Description and Schematic, was supplied to the Departm	nen
	Date Submitted:	Other (specify) required in Section B-3, Process Description and Schematic, was supplied to the Departm	nen
	Date Submitted: I certify the information for the year and	Other (specify) required in Section B-3, Process Description and Schematic, was supplied to the Departm has not changed.	nen
	Date Submitted: I certify the information for the year and	Other (specify) required in Section B-3, Process Description and Schematic, was supplied to the Departm has not changed. Form 26R	nen
Nagh	Date Submitted: I certify the information for the year and Form Submitted:	Other (specify) required in Section B-3, Process Description and Schematic, was supplied to the Departm has not changed. Form 26R	nen

- 3. Process Description & Schematic Attachments
 - a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.
 - Drilling Fluid Water that has been generated during the drilling process.

003 2 003 2 003 2 003 2 003 2	WE 10 125933 25933 25933 25933	#1HA #1HA		COLUMN TO SELECT THE WAS ASSESSED FOR THE PROPERTY OF THE PARTY OF THE	RICOUNTY	DISPOSAL POINT	TOTAL GALLONS
03 2 03 2	25933	#1HA	37-125-24241	W. Bethlehem	Washington	Advanced Waste Services	69510
03 2			37-125-24241	W. Bethlehem	Washington	Appalachian Water Services, LLC	221550
03	25933	#1HA	37-125-24241	W. Bethlehem	Washington	Franklin	34860
		#1HA	37-125-24241	W. Bethlehem	Washington	Tunnelton Liquids Company	193620
		-				TOTAL WASTE	519540
	16.			1			
				V			
	25901	#8H	37-125-23950	Amwell	Washington	Advanced Waste Services	59640
03	25901	#8H	37-125-23950	Amwell	Washington	Appalachian Water Services, LLC	28560
03	25901	#8H	37-125-23950	Amwell	Washington	Franklin	22890
03	25901	48H ·	37-125-23950	Amwell	Washington	Tunnelton Liquids Company	110418
03	25901	#8H	37-125-23950	Amwell	Washington	Waste Treatment Corporation	21000
100						TOTAL WASTE	242508
					1		
	25958	#9H	37-125-23951	Amwell	Washington	Advanced Waste Services	49140
	25958	#9H	37-125-23951	Amwell	Washington	Franklin	14490
303.	25958	#9H -	37-125-23951	Amwell	Washington	Tunnelton Liquids Company	106890
						TOTAL WASTE	170520
	3-						
	26381	Unit #8H	37-125-24255	W. Bethlehem	Washington	Advanced Waste Services	36330
303	26381	Unit #8H	37-125-24255	W. Bethlehem	Washington	Appalachian Water Services, LLC	73710
	26381	Unit #8H ·	37-125-24255	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	9870
803	26381	Unit #8H	37-125-24255	W. Bethlehem	Washington	Tunnelton Liquids Company	147000
		11.072 11.0	VII.			TOTAL WASTE	266910
					A STATE OF		
	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Advanced Waste Services	111090
	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Appalachian Water Services, LLC	47040
	26435	Unit #9H.	37-125-24256	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	18690
803	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Tunnelton Liquids Company	165816
			-		-	TOTAL WASTE	342636
-			1	-	-		
707	24402	uår '	22 051 24225	Mr. C. Donn	Fame	Advantage of	555070
	24403	#25	37-051-24272	Nicholson	Fayette	Advanced Waste Services	555870
-	24403	#25	37-051-24272	Nicholson	Fayette	Franklin	179970
	24403	#25	37-051-24272	Nicholson	Fayette	Hart Resource Tech Pit	85680
	24403	#25	37-051-24272	Nicholson	Fayette	PA Brine Trt-Josephine PLT	77280
803	24403	#25	37-051-24272	Nicholson	Fayette	Tunnelton Liquids Company	1385790
	-		-	-	4	TOTAL WASTE	2284590

803	23674	Unit #8H	37-059-25545	Cumberland	Greene	Advanced Waste Services	57330
803	23674	Unit #8H	37-059-25545	Cumberland	Greene	Appalachian Water Services, LLC	199290
803.	23674	Unit #8H	37-059-25545	Cumberland	Greene	Tunnelton Liquids Company	63000
303	23074	Cint, wort	37-033-23343	Combenato	OTECHE	TOTAL WASTE	
				-	-	TOTAL WASTE	319620
				-			
-	2.522						
803	24930	46H	37-059-25270	Greene	Greene	Advanced Waste Services	124950
803	24930	46H	37-059-25270	Greene	Greene	Clinton #2	4410
803	24930	146H	37-059-25270	Greene	Greene	Franklin	34020
803	24930 .	#46H	37-059-25270	Greene	Greene	PA Brine Trt-Josephine PLT	4620
803	24930	#46H'	37-059-25270	Greene	Greene	Miller & Co #3	4200
803	24930	#46H	37-059-25270	Greene	Greene	Tunnelton Liquids Company	55230
						TOTAL WASTE	227430
	10 3 - C - 1						
	TEST SOT A		1				
803	25038	#54H -	37-059-25272	Greene	Greene	Advanced Waste Services	19320
803	25038	#54H	37-059-25272	Greene	Greene	Franklin	4620
803	25038	#54H	37-059-25272	Greene	Greene	Tunnelton Liquids Company	2310
	200 200		13			TOTAL WASTE	26250
1							
803	26137	Unit #64H -	37-059-25603	Monongahela	Greene	Advanced Waste Services	2520
		onit no th	0.000	THE THE PERSON NAMED IN	- Const	TOTAL WASTE	2520
			+	+	+	TOTAL WASTE	2520
			-	-	-		-
007	20200	#8H	22.062.26060	Crane	Indiana	Advanced Waste Services	168840
803	26285		37-063-36859	Greene			
803	26285	#8H ·	37-063-36859	Greene	indiana	Tunnelton Liquids Company	148680
		· · · · · · · · · · · · · · · · · · ·		-	-	TOTAL WASTE	317520
		A ALL ALAC		-			
	3					-	
803	25668 .	Unit #5H	37-051-24311	Redstone	Fayette	Advanced Waste Services	93030
803	25668	Unit #5H	37-051-24311	Redstone	Fayette	Franklin	5040
803	25668	Unit #SH	37-051-24311	Redstone	Fayette	PA Brine Trt-Josephine PLT	5040
	0					TOTAL WASTE	103110
							17
		*				7-27-2	
803	25670	Init #7H	37-051-24313	Redstone	Fayette	Advanced Waste Services	70770
803	25670	Init #7H	37-051-24313	Redstone	Fayette	Franklin	4830
803	25670	Init #7H	37-051-24313	Redstone	Fayette	Tunnelton Liquids Company	47880
- Aug	N.					TOTAL WASTE	123480
5							
	-						
803	25213	¥19 ···	37-129-27943	Salem	Westmoreland	Advanced Waste Services	4830

mann -

803	25213	#19	37-129-27943	Salem	Westmoreland	Tunnelton Liquids Company	29820
		Tat Date			Charles and the second	TOTAL WASTE	34650
				4 /			
BO3 ⁻	22831	#14	37-051-24220	Dunbar	Fayette	Advanced Waste Services	2310
		The state of the s			1	TOTAL WASTE	2310
	19,1	- 185	1 1 - 1	J. Law	1		
303	26018	#6	37-059-25385	Greene	Greene	Advanced Waste Services	74340
303	26018	#6	37-059-25385	Greene	Greene	Franklin	137130
303	26018	#6	37-059-25385	Greene	Greene	Tunnelton Liquids Company	149688
803	26018	#6	37-059-25385	Greene	Greene	Waste Treatment Corporation	14910
						TOTAL WASTE	376068
		-v					
803	25857	ol/USX #90	37-059-25334	Monongahela	Greene	Advanced Waste Services	43470
803	25857	ol/USX #90	37-059-25334	Monongahela	Greene	Tunnelton Liquids Company	9240
000	120901	101/ 001/ 1100	07 000 2000 1	THO TO THE STATE OF	Or Corne	TOTAL WASTE	52710
				-	4	TOTAL WASTE	32/10
				-			
803	26150	Unit #10H	37-051-24392	German	Fayette .	Advanced Waste Services	566790
803	26150	Unit #10H	37-051-24392	German	Fayette	Appalachian Water Services, LLC	106470
005	20250	O I III III III III III III III III III	37 032 21332	delinion	Troyette	TOTAL WASTE	673260
-	• • • • • • • • • • • • • • • • • • • •	4		-		TOTAL WASTE	075200
				-	1		
803	26151	: Unit #11H	37-051-24391	German	Fayette	Advanced Waste Services	370440
803	26151	Unit #11H	37-051-24391	German	Fayette	Appalachian Water Services, LLC	202440
003	20131	Olit HILI	37-031-24331	German	rayette	TOTAL WASTE	572880
				-	-	TOTAL WASTE	372000
			-	-	+	,	
			22 125 21125	-	Lucia de la compansión		
803.	25745	Unit #4H	37-125-24185	Deemston	Washington	Advanced Waste Services	175140
803	25745	Unit #4H	37-125-24185	Deemston	Washington	Appalachian Water Services, LLC	49980
803	25745	Unit #4H	37-125-24185	Deemston	Washington	Franklin	14910
803	25745	Unix #4H	37-125-24185	Deemston	Washington	Tunnelton Liquids Company	207060
						TOTAL WASTE	447090
				1	-	¥	
201	05745	1	27 400 00 00	C Ower of	West of 1	1	67630
803	25715	#11H	37-129-28404	S. Huntingdon	Westmoreland	Advanced Waste Services	67620
803	25715	#11H	37-129-28404	S. Huntingdon	Westmoreland	Appalachian Water Services, LLC	41580
803	25715	#11H	37-129-28404	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	14910
	-	*			-	TOTAL WASTE	124110
		10-0		-	-		
803	25716	#12H	37-129-28403	5. Huntingdon	Westmoreland	Advanced Waste Services	73080

		-0					
		**					
		1					
					-		
303	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Advanced Waste Services	22596
303	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Franklin	24150
803 803	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	McCutcheon Enterprises, Inc.	9198
803	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Tunnelton Liquids Company	138138
			_	-		TOTAL WASTE	194082
		8 2		-	4		
				-			
803	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Advanced Waste Services	18900
803	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Franklin	33810
803	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene ,	Tunnelton Liquids Company	4620
					_	TOTAL WASTE	57330
				-	-	+	
003	2027	The state of the s	27.050.35330	Dualmed	Cenna	Advantad Minte Conince	0450
803	25777	Game Lands Unit #3H	37-059-25339	Dunkard	Greene	Advanced Waste Services Franklin	9450 22680
803		Game Lands Unit #3H. Game-Lands Unit #3H	37-059-25339	Dunkard	Greene		
803	25777		37-059-25339	Dunkard	Greene	Tunnelton Liquids Company TOTAL WASTE	9660 41790
		- 1 	_		+	TOTAL WASTE	41/90
	-			-		1	_
803	22812	ні	37-059-25330	Cumberland	Greene	Advanced Waste Services	33390
803	22812	(#1	37-059-25330	Cumberland	Greene	Franklin	4830
803	22812	#1	37-059-25330	Cumberland	Greene	Hart Resource Tech Pit	47040
803	22812	41	37-059-25330	Cumberland	Greene	PA Brine Trt-Josephine PLT	14280
803	22812	#1	37-059-25330	Cumberland	Greene	Tunnelton Liquids Company	103740
003	12012	**1	37-033-23330	Cumperisto	Oteene	TOTAL WASTE	203280
				+	-	TOTAL WASTE	203200
					+		
803	25282 1	f1	37-125-23806	W. Bethlehem	Washington	Advanced Waste Services	64260
803	25282	11.	37-125-23806	W. Bethlehem	Washington	Franklin	15960
803	25282	11	37-125-23806	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	4830
803	25282	#1	37-125-23806	W. Bethlehem	Washington	Tunnelton Liquids Company	57330
003	23202		37 123 23000	W. detilienen	Washington	TOTAL WASTE	142380
		1					-
803	25884	#11 -	37-059-25373	Greene	Greene	Advanced Waste Services	139860
803	25884	#11	37-059-25373	Greene	Greene	Franklin	7140
803	25884	#11.	37-059-25373	Greene	Greene	Tunnelton Liquids Company	111720
1		-				TOTAL WASTE	258720
	1.						
803	25060	e Unit #8	37-059-25341	Cumberland	Greene	Advanced Waste Services	52290
803	25060	Unit #8	37-059-25341	Cumberland	Greene	Appalachian Water Services, LLC	188790

803	25060	Unit #8	37-059-25341	Cumberland	Greene	Franklin	90510
03	25060	Jait #8	37-059-25341	Cumberland	Greene	Tunnelton Liquids Company	162288
						TOTAL WASTE	493878 -
1.1	1110	121-7					
					1		
803	30418	2 '	37-063-36374	W. Wheatfield	Indiana	Advanced Waste Services	32130
303	30418	12	37-063-36374	W. Wheatfield	Indiana	PA Brine Trt-Josephine PLT	4620
803	30418	2	37-063-36374	W. Wheatfield	Indiana	Tunnelton Liquids Company	164430
					1	TOTAL WASTE	201180
		100	9				
803	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Advanced Waste Services	25620
303	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Franklin	24570
303 -	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Tunnelton Liquids Company	18480
						TOTAL WASTE	68670
	1000			I read to			
						¥	
803	24311	Jackson Farms Unit #32H.	37-051-24234	Redstone	Fayette	Advanced Waste Services	34650
803	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Franklin	13020
803 -	24311	Jackson Farms Unit.#32H	37-051-24234	Redstone	Fayette	Tunnelton Liquids Company	8820
						TOTAL WASTE	56490
		The state of the s					
803	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Advanced Waste Services	14700
803	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Franklin	23520
803	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Tunnelton Liquids Company	32340
		34 35 3				TOTAL WASTE	70560
			A, 22				
	7 7					-11 (-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Advanced Waste Services	75642
803 .	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Appalachian Water Services, LLC	183498
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Franklin	9240
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	PA Brine Trt-Josephine PLT	10500
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Tunnelton Liquids Company	199626
						TOTAL WASTE	478506
		12-12-12-1		4	42		
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Advanced.Waste Services	30072
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Appalachian Water Services, LLC	175938
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Franklin	59430
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	PA Brine Trt-Josephine PLT	18522
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Tunnelton Liquids Company	248724
						TOTAL WASTE	532686

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				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Advanced Waste Services	99246
03	24997	Jackson Farms.Unit #39H	37-051-24372	Redstone	Fayette	Appalachian Water Services, LLC	83748
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Franklin	42630
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	PA Brine Trt-Josephine PLT	6048
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Tunnelton Liquids Company	215880
		N - III - I				TOTAL WASTE	447552
		9-					7
03	25925	#5*	37-129-28252	Sewickley	Westmoreland	Advanced Waste Services	18270
03	25925	#5 ·	37-129-28252	Sewickley	Westmoreland	Tunnelton Liquids Company	73290
		9	1 1		7	TOTAL WASTE	91560
	118.		7 000				
		100000000000000000000000000000000000000					
03	24974	#17	37-059-25245	Dunkard	Greene	Advanced Waste Services	72870
	THE STATE OF THE S					TOTAL WASTE	72870
	1.5						
	1446						
03	24979	#22H .	37-059-25249	Dunkard	Greene	Advanced Waste Services	56700
03	24979	#22H	37-059-25249	Dunkard	Greene	Tunnelton Liquids Company	45948
						TOTAL WASTE	102648
	The second		1200				
303	25106	#4H	37-129-27964	Salem	Westmoreland	Advanced Waste Services	82740
303	25106	#4H	37-129-27964	Salem	Westmoreland	Franklin	50190
03	25106	#4H	37-129-27964	Salem	Westmoreland	PA Brine Trt-Josephine PLT	18900
303	25106	#4H	37-129-27964	Salem	Westmoreland	Tunnelton Liquids Company	29820
		- 1				TOTAL WASTE	181650
-		_					
_					1		
303	24043	#21	37-059-25159	Monongahela	Greene	Advanced Waste Services	41370
303	24043	#21	37-059-25159	Monongahela	Greene	Tunnelton Liquids Company	57960
4		7.		- Benzie	1100000	TOTAL WASTE	99330
	2 2						
303	25605	#33.	37-059-25185	Monongahela	Greene	Advanced Waste Services	44100
	2		37.333.337			TOTAL WASTE	44100
	in the special				407		
		, , , , , , ,					
303	25758	÷	37-129-28113	Rostraver	Westmoreland	Advanced Waste Services	110880
303	25758	3	37-129-28113	Rostraver	Westmoreland	Hart Resource Tech Pit	10080
303	25758	9	37-129-28113	Rostraver	Westmoreland	Tunnelton Liquids Company	84840
	70.55					TOTAL WASTE	205800
		4			_		

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			-			A A Property of the Control of the C	
303	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Advanced Waste Services	104580
303	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Hart Resource Tech Pit	227640
803	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	PA Brine Trt-Josephine PLT	37800
803	30425 .	Unit #1	37-063-36627	W. Wheatfield	Indiana	Tunnelton Liquids Company	323190
						TOTAL WASTE	693210
				1			
303	25769	#4.	37-051-24266	Springhill	Fayette	Advanced Waste Services	122850
303	25769	#4	37-051-24266	Springhill	Fayette	Franklin	14280
303	25769	#4	37-051-24266	Springhill	Fayette	PA Brine Trt-Josephine PLT	10290
803	25769	#4	37-051-24266	Springhill	Fayette	Tunnelton Liquids Company	98070
		DC-1				TOTAL WASTE	245490
		7			1		2.10.000
-							
303	25853	#20	37-059-25362	Jefferson	Greene	Advanced Waste Services	30240
803	25853	#20	37-059-25362	Jefferson	Greene	Franklin	13860
303	25853	#20	37-059-25362	Jefferson	Greene	Tunnelton Liquids Company	111300
304	25050		0. 000 20002	Jenerson	Greene	TOTAL WASTE	155400
					1	Trouble Trouble	135 100
		25.6					
303	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Advanced Waste Services	118230
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Franklin	74340
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	PA Brine Trt-Josephine PLT	19950
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Tunnelton Liquids Company	95760
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	West Virginia Oil Gathering	10416
003	23324	Tradiction (Villies, Corp. #2011	37-031-24303	Luzerne	rayette.	TOTAL WASTE	318696
				+	_	TOTAL WASTE	310030
-					+		
803	25197	Jult #3H	37-051-24257	Lower Tyrone	Fayette	Advanced Waste Services	2100
					-	Franklin	
803	25197	JULY HOLL	37-051-24257	Lower Tyrone	Fayette	11.751.0010	4830
803	25197 25197	Jnit #3H	37-051-24257	Lower Tyrone	Fayette	Hart Resource Tech Pit	18060 14700
803		Jrit #3H	37-051-24257	Lower Tyrone	Fayette	PA Brine Trt-Josephine PLT	146160
803	25197	JULY 454	37-051-24257	Lower Tyrone	Fayette	Tunnelton Liquids Company	
		1	+		+	TOTAL WASTE	185850
	-			1	-		
207	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Advanced Waste Services	73080
803	25742	_				Advanced Waste Services	
803	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Franklin	19950
803	25742	UT #ZH	37-063-36738	W. Wheatfield	Indiana	Tunnelton Liquids Company	275310
			1	+	+	TOTAL WASTE	368340
			+	+	-		
002	15026		27.051.24240	Merchiantes	Females	Advanced Months Commission	122020
803	25026	#29	37-051-24249	Washington	Fayette	Advanced Waste Services	132930

803	25026	29	37-051-24249	Washington	Fayette	PA Brine Trt-Josephine PLT	10080
303	25026	29	37-051-24249	Washington	Fayette	Tunnelton Liquids Company	28350
						TOTAL WASTE	171360
1			1 34				
				Hone and			
803	23182	15H *	37-125-24044	Robinson	Washington	Advanced Waste Services	127890
	111.7.					TOTAL WASTE	127890
			1	1 2			
803	24910	#18H	37-125-23963	Robinson	Washington	Advanced Waste Services	178920
		-				TOTAL WASTE	178920
803	25304	#8	37-129-28084	Sewickley	Westmoreland	Advanced Waste Services	53886
803	25304	#8	37-129-28084	Sewickley	Westmoreland	Tunnelton Liquids Company	68670
						TOTAL WASTE	122556
						15.000.000.000	-
803	25996	#1	37-051-24314	Franklin	Fayette	Advanced Waste Services	124110
803	25996	#1.	37-051-24314	Franklin	Fayette	Appalachian Water Services, LLC	23730
803	25996	#1	37-051-24314	Franklin	Fayette	Franklin	39690
003	23330		37 032 24324	T I WI I KINT	Tayette ,	Tunnelton Liquids Company	257250
· ·			-	-	_	TOTAL WASTE	444780
				-		TOTAL WASTE	144780
				+			
803	25880	Unit #1H	37-051-24279	Brownsville	Fayette	Advanced Waste Services	36330
803	25880	Unit #1H	37-051-24279	Brownsville	Fayette	Franklin	24780
803	25880	Unit #1H ·	37-051-24279	Brownsville	Fayette	Tunnelton Liquids Company	255486
603	23880	Olit FILL	137-031-24273	Biowiisvine	royette	TOTAL WASTE	316596
			+	_		TOTAL WASTE	310390
				-	_		
902	25680	Unit #26H	37-051-24344	Redstone	Fayette	Advanced Waste Services	23940
803 803	25680	Unit #26H :	37-051-24344	Redstone	Fayette	PA Brine Trt-Josephine PLT	9240
803	25680	Unit #26H	37-051-24344	Redstone	Fayette	Tunnelton Liquids Company	65730
003	23000	Dilit #20ri	37-031-24344	nedstone	rayette	TOTAL WASTE	98910
				+	_	TOTAL WASTE	30310
			4	+	_	1	
803	25681	Unit #27H	37-051-24343	Redstone	Fayette	Advanced Waste Services	46830
803	: 25681	Unit #27H	37-051-24343	Redstone	Fayette	Appalachian Water Services, LLC	162750
803	25681	Unit #27H	37-051-24343	Redstone	Fayette	Tunnelton Liquids Company	18480
003	23001	UNIC#4/H	37-031-24343	reastone	rayette	TOTAL WASTE	228060
			-	-	_	TOTAL WASTE	220000
-	-	105		-	1		
202	25070	Mait H34H	27.051.24200	Podstona	Cavatta	Advanced Waste Services	70970
803	26474	Unit #34H	37-051-24388	Redstone	Fayette	Advanced Waste Services	29820

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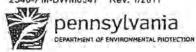
803	26474	Unit #34H	37-051-24388	Redstone	Fayette	Appalachian Water Services, LLC	267330
803	26474	Jnit #34H	37-051-24388	Redstone	Fayette	PA Brine Trt-Josephine PLT	4830
803	26474	Unit #34H	37-051-24388	Redstone	Fayette	Tunnelton Liquids Company	34440
						TOTAL WASTE	336420
		- 8					
	13/15/75						
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Advanced Waste Services	49980
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Appalachian Water Services, LLC	343140
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	PA Brine Trt-Josephine PLT	5040
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Tunnelton Liquids Company	29715
	1					TOTAL WASTE	427875
		4					
803	25682	Unit #28H	37-051-24342	Redstone	Fayette	Advanced Waste Services	85260
803	25682	Jnit #28H	37-051-24342	Redstone	Fayette	Appalachian Water Services, LLC	135240
803	25682 ,	Jņit #28H	37-051-24342	Redstone	Fayette	Tunnelton Liquids Company	23520
	(8)			1 -0		TOTAL WASTE	244020
-			1110				
803	26016	Nunit #30H	37-051-24341	Redstone	Fayette	Advanced Waste Services	60165
803	26016	Unit #30H	37-051-24341	Redstone	Fayette	Appalachian Water Services, LLC	91980
803 -	26016	Unit #30H	37-051-24341	Redstone	Fayette	Franklin	36435
803	26016	Unit #30H	37-051-24341	Redstone	Fayette	PA Brine Trt-Josephine PLT	2520
803	26016	Unit #30H	37-051-24341	Redstone	Fayette	Tunnelton Liquids Company	58590
	3	4				TOTAL WASTE	249690
		**					
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Advanced Waste Services	68985
E08	26017	Unit #31H	37-051-24340	Redstone	Fayette	Appalachian Water Services, LLC	81270
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Franklin	36435
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	PA Brine Trt-Josephine PLT -	2520
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Tunnelton Liquids Company	58590
		3 3 4				TOTAL WASTE	247800
	3				3		
		The Management		1			
803	26040 .	h Unit #32H	37-051-24316	Redstone	Fayette	Advanced Waste Services	186900
803	26040 .	n Unit #32H	37-051-24316	Redstone	Fayette	Franklin	29820
803	26040	n Unit #32H	37-051-24316	Redstone	Fayette	PA Brine Trt-Josephine PLT	9660
803	26040	Unit #32H	37-051-24316	Redstone	Fayette	Tunnelton Liquids Company	116340
		19-11-17				TOTAL WASTE	342720
		- 23		d Lagran	A Long		
	M				-1577-		
803	26041	n Unit #33H	37-051-24317	Redstone	Fayette	Advanced Waste Services	252000

						TOTAL WASTE	368760
		46					
		P*1					
303	26476	Unit.#36	37-051-24390	Redstone	Fayette	Advanced Waste Services	51240
303	26476	Unit#36	37-051-24390	Redstone	Fayette	Appalachian Water Services, LLC	154980
		4				TOTAL WASTE	206220
		7.	III I		1		la Ca
03	25759	\$59H ·	37-129-28130	Rostraver	Westmoreland	Advanced Waste Services	50900
03	25759	#59H	37-129-28130	Rostraver	Westmoreland	Franklin	62160
03	25759	#59H	37-129-28130	Rostraver	Westmoreland	Tunnelton Liquids Company	102480
						TOTAL WASTE	225540
303	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Advanced Waste Services	840
103	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Tunnelton Liquids Company	9870
				1,000,000	1.001.101.0110	TOTAL WASTE	10710
							20120
77							
103	25760	Unit #60H	37-129-28131	Rostraver	Westmoreland	Franklin	20160
103	25760	Unit #60H	37-129-28131	Rostraver	Westmoreland	Tunnelton Liquids Company	19530
503		BINE WBOH	37-123-20131	Hostravei	vvestillorelatiu	TOTAL WASTE	
				-	-	TOTAL WASTE	39690
- 14			1	-	+	<u> </u>	
	24/64	The second second	27 252 35153	1000	-		
303	24154	19	37-059-25162	Jefferson	Greene	Advanced Waste Services	28140
303	24154	19	37-059-25162	Jefferson	Greene	McCutcheon Enterprises, Inc.	4620
303	24154	119	37-059-25162	Jefferson	Greene	Tunnelton Liquids Company	4620
		-				TOTAL WASTE	37380
	4	4 6					
303	25887	#1	37-051-24284	Franklin	Fayette	Advanced Waste Services	18690
		97.				Franklin	32760
						Tunnelton Liquids Company	14070
		5-1-				TOTAL WASTE	65520
	194	101					
				-			
803	25389	1	37-129-28123	Sewickley	Westmoreland	Advanced Waste Services	178920
803	25389	1	37-129-28123	Sewickley	Westmoreland	PA Brine Trt-Josephine PLT	14490
303	25389	1	37-129-28123	Sewickley	Westmoreland	Miller & Co #3	21210
303	25389	1 ,	37-129-28123	Sewickley	Westmoreland	Tunnelton Liquids Company	118230
						TOTAL WASTE	332850
· ·	9.7						
803	7.6048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Advanced Waste Services	5040

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03 : : : : : : : : : : : : : : : : : : :	25855 25855 25855 25750 25750 25750	Unit #20H Unit #20H #5H #5H	37-129-28264 37-129-28264 37-125-23962 37-125-23962	S. Huntingdon S. Huntingdon Deemston Deemston	Westmoreland Westmoreland Washington Washington	Franklin Tunnelton Liquids-Company TOTAL WASTE Advanced Waste Services	9240 214830 229110
003 103 103 103 103 103 103	25855 25855 25750 25750	#5H #5H	37-125-23962	Deemston	Washington	TOTAL WASTE Advanced Waste Services	229110
03	25855 25855 25750 25750	#5H #5H				TOTAL WASTE Advanced Waste Services	
03	25855 25855 25750 25750	#5H #5H					4420
03 03 03 03	25855 25750 25750	#5H #5H					14240
03 03 03 03	25855 25750 25750	#5H,					11210
03 03 03	25750 25750	#1H	37-125-23962	Deemston	Washington		44310
03	25750	#1H.				Tunnelton Liquids Company	83370
03	25750	#1H.				TOTAL WASTE	127680
03 03	25750						
03 03	25750						
03			37-059-25459	Jefferson	Greene	Advanced Waste Services	117810
	25750	#1H, .	37-059-25459	Jefferson	Greene	Franklin	4200
303		#1H .	37-059-25459	Jefferson	Greene	Tunnelton Liquids Company	118650
303						TOTAL WASTE	240660
803	9		M.T.				
303					VI had now to the		
	24177	#3	37-129-27568	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	2520
				10 - 3M RO	Harana and A	TOTAL WASTE	2520
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			141		
						TOTALS:	
	*					ADVANCED WASTE SERVICES	6630582
	4 4 1					Appalachian Water Services, LLC	3411744
						CLINTON #2	4410
	1 7 1	14.				FRANKLIN	1462020
						HART RESOURCE TECH PIT	388500
						PA BRINE TRT-JOSEPHINE	334320
				1		MCCUTCHEON ENTERPRISES, INC.	13818
		:.				MILLER & CO. #3	25410
		4 8				TUNNELTON LIQUIDS COMPANY	8439669
					E. T.	WASTE TREATMENT CORPORATION	35910
						WEST VIRGINIA OIL GATHERING	10416
		n .				GRAND TOTAL OF FACILITIES	20756799
			Children in				
	-						
	·		•		N.	1	7-1-1-1
		1	3				
-	1						

Exhibit 2E



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

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

typed	d or legil	bly printed in the space ed sheet as Form 26R	rately completed. All reques provided. If additional so, reference the item numets needs to match the date.	pace is necessary, ide ber and identify the	ntify D:	DEP 0	Service and Assessed	A STATE OF THE PARTY OF THE PARTY	- COLUMN
	2012 1014	rence 287.54							
Date	Prepare	d/Revised				Walleston 1975			
	医生活	SECTION A	CLIENTUGENERATO	Pagrantewaste)	NFORM/	MONG			
	pany Na								
		rces, LLC y, Name of Parent Com	nanu			EDAC		tor ID#	
na a	uusiulai	y, Name of Parent Com	party			LIAG	ellela	IOI IO#	
		iling Address Line 1 n View Drive		Company Malling Addr	ess Line 2				
Comp	any Ad	dress Last Line - City	State	Zip+4	Phon	The state of the s		Ext	
Smith		F CO TWO TO THE	PA	15478+8902	724-	564-2360		137	
		ntact Last Name	First Name Jenny	MI		Suffix			
Butch	clpality		Jerniy	County			-	_	
Geor				Fayette					
	ct Phon		Contact Email Address						
	64-236		jbutchko@atlasenergy.						
The second second			ny Mailing Address (noted			П,	/es	⋈ N	lo
IT NO	, descri	be location of waste ge	neration and storage. See	allaciment			-		_
Munic	cipality	Georges	County Faye	tte	S	tate	PA		_
			SECTIONE WAS	HEIDES GRIPHIO	VIII COM				
Res	idual		fual Waste		Unit	need to	1	Time	The Control of the
Waste	e Code		Description	Amount	Meas			Frame	
803		Drilling Fluid		See attachment	☐ cu yd	⊠ gal ☐ ton	90	One Tim	
			THE RESERVE OF THE RESERVE	PROPERTIES CALL		1011		Die III	ne Rang
a.	pH Ra	nge n/		(based on analyses or	knowledge)	and the fall later to	A THE STATE OF THE	The second	THE REAL PROPERTY.
b.		cal State	Liquid Waste (EPA M Solid (EPA Method 90 Gas (amblent tempera	ethod 9095) 095)					
C.	Physic	cal Appearance	Color Clear	Oc	110110				
			Number of Solid or Liqui		n				
			Describe each phase of	separation.			-	•	
111247年	Mineral Writer	企业的人们也可能的	2 CHEMICAL ANALY	SIS ATTACHMENTS	CHERT WILL	7555Eb35	CONTRACTOR	(100 - 170 H) - 170 170 - 170 H) - 170	1700
а,	V CHARLES TO		nical characterization of th				es .	N	lo
	instruc	ctions, is attached.		The state of the s					
b.	instruc	ctions, is attached.	waste sampling method is	The state of the s			es .	□ N	lo
b	A deta	ctions, is attached. illed description of the uality assurance/quality		attached.	(les) is		es es		lo lo
	A deta The quattach The re	ctions, is attached. iled description of the uality assurance/quality ed. sults of the hazardous	waste sampling method is	attached. byed by the laboratory ached.			1,510	N	_

* Characterization is on file at the DEP that refers to the county in which the Stream was generated.

neme		3. PROCESS DESCRIPTION			La Company				
a.	A detailed description of t the waste, as specified in	he manufacturing and/or p the instructions, is attache		esses producing	Yes.		Jo		
b.	A schematic of the manufa as specified in the instruc				Yes	⊠ N	lo		
C.	If portions of the informati a confidentiality claim, as			n for Yes	□ No	⊠ N	I/A		
The	SEG area below (ad.) will accomn		DISPOSAL FACILITY (I	s):	if necessary				
a.	Solid waste permit number PAR0000291								
b.	Facility Name	Advanced Waste Services							
	Address Line 1	1001 Sampson Stree							
	Address Line 1		-				_		
	Address City State ZIP	New Castle	PA	16101					
	Municipality	City of New Castle	County	Lawrence		****	-		
c.	Facility Contact Name	Anthony Cialella							
٠.	Title	General Manager					_		
	Phone	724-657-8777	Email Address	avialella@advan	redwastase	ndoor e			
d.	Volume of waste shipped t	☐ cu yd ☐ gal	☐ lb ☐ tor	(check one)	v.T				
a.	Solid waste permit number 253723	(s) for processing or disp	osal facility being util	ized.					
b.	Facility Name	Appalachian Water S	Services, LLC	·			-		
	Address Line 1	195 Enterprise Lane				-			
	Address Line 1			-11 - 1			-		
	Address City State ZIP	Connellsville	PA	15425					
	Municipality	Masontown	County	Fayette					
C.	Facility Contact Name	George Milne		7					
	Title	Supervisor							
	Phone	724-583-2081	Email Address	georgem@shalle	enbergercon	structio	n.c		
d.	Volume of waste shipped to	☐ cu yd	☐ lb ☐ tor						
in disease		2. BENE	FICIAL USE	负的。因为是对于建筑					
a.	Has the waste been approv			10	☐ Yes		0		
	If "Yes", list the general pe	imit number or approval n	umber.		1		1		
b.	Volume of waste beneficial	ly used in the previous year	ar.	(check one)		(1)			

		37 PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
а.		the manufacturing and/or pollution control processes producing Yes No the instructions, is attached.
ь.	A schematic of the manuf 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.
The		TION COMANAGEMENT OF RESIDUAL WASTE 11. PROCESSING OF DISPOSAUFACILITY (IES) 12. PROCESSING OF DISPOSAUFACILITY (IES) 13. TOTAL T
а.	Solid waste permit number 3262	r(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1 Address Line 1	Clinton SWIW #2 P.O. box 367
	Address City State ZIP Municipality	Garrettsville OH 44231 Freedom County Portage
c.	Facility Contact Name Title Phone	Dave Ballentine President 330-221-6681 Email Address davjball@yahoo.com
d.	Volume of waste shipped	to processing or disposal facility in the previous year. Cuyd gal lb ton (check one)
a.	Solid waste permit number PA 0101508	r(s) for processing or disposal facility being utilized.
b.	Facility Name Address Line 1 Address Line 1	Franklin
	Address City State ZIP Municipality	Franklin PA 16323 Sandycreek County Venango
C.	Facility Contact Name Title Phone	Elton DeLong Operations Manager 814-437-3593 Email Address sparky@pabrine.com
d.	Volume of waste shipped to	o processing or disposal facility in the previous year. cu yd gal lb ton (check one)
Pastingly		CONTROL 12 BENERICIAL USE TO BE REPORTED TO THE PROPERTY OF TH
a	Has the waste been approv	ved for beneficial use? Yes No
i +		mit number or approval number.
b.	Volume of waste beneficial	lly used in the previous year. Cu yd gal lb ton (check one)

317		37 PROCESS DESCRIPTION	& SCHEMATIC ATTA	CHMENTS		
ä.	the waste, as specified in	ne manufacturing and/or po the instructions, is attached			⊠ Yes	☐ No
D.	A schematic of the manufa as specified in the instruct	cturing and/or pollution cor ions, is attached.	ntrol processes pro	oducing the waste,	Yes	⊠ No
C.		on submitted are confidenti described in the instruction		on for Yes	□ No	⊠ N/A
		IJONES MANAGEME	ISPOSAL FACILITY	IES)		
The :	area below (ad.) will accomm	odate the identification of t	wo facilities. Attac	h additional sheets	if necessary	1.
a.	Solid waste permit number PA 0095443	(s) for processing or dispos	al facility being ut	ilized.		
b,	Facility Name	Hart Resource Tech P	it	~~		
	Address Line 1	P.O. Box 232 TR 110				
	Address Line 1					
	Address City State ZIP	Creekside	PA	15732		
	Municipality	Washington	County	Indiana		200
C.	Facility Contact Name	Becky Snyder				
	Title	Operations Manager				
	Phone	724-349-8600	Email Address	hart8600@comc	ast.net	
d.	Volume of waste shipped t		cility in the previou			1
a.	Solid waste permit number PA 0095273	(s) for processing or dispos	al facility being ut	ilized		
b.	Facility Name	PA Brine Trt-Josephin	e Plt			
	Address Line 1	5148 US 322				
	Address Line 1					
	Address City State ZIP	Franklin	PA	16323		
	Municipality	Sandycreek	County	Venango		
Ċ.	Facility Contact Name	Elton DeLong				
	Title	Operations Manager				
	Phone	814-437-3593	Email Address	sparky@pabrine	.com	
d.	Volume of waste shipped to	o processing or disposal fac ☐ cu yd ☐ gal	cility in the previou			
		2. BENER	ICIAL USE			search Lagran
a.	Has the waste been approv		The same of the sa		Yes	No
	If "Yes", list the general per		mber.			
b.	Volume of waste beneficial			n (check one)		

		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	1
а.	A detailed description of t	the manufacturing and/or pollution control processes producing Yes N the instructions, is attached.	0
b.	A schematic of the manufi as specified in the instruc	acturing and/or pollution control processes producing the waste, Yes N tions, is attached.	0
C.		ion submitted are confidential, the substantiation for Yes No No Nodescribed in the instructions, is attached.	I/A
	AND THE PROPERTY OF THE PARTY O	TION C MANAGEMENT OF RESIDUAL WASTE	20.5
	A STREET OF THE PARTY OF THE PA		
The		th Processing or Disnesal Eachny (iss) nodate the identification of two facilities. Attach additional sheets if necessary.	是医學
-			
a.	101674	r(s) for processing or disposal facility being utilized.	
b,	Facility Name	McCutcheon Enterprises, Inc.	
	Address Line 1	250 Park Road	
	Address Line 1		
	Address City State ZIP	Apollo PA 15613	
	Municipality	Alleghney County Westmoreland	
C.	Facility Contact Name	Mack Flood	
	Title	Business Development Engineer	-
	Phone	724-568-3623 Email Address mackf@completewastemgmt.com	-
-	Malana afanasta ahimmad f	to processing or disposal facility in the previous year.	
d.		☐ cu yd ☐ gal ☐ lb ☐ ton (check one)	
a.	Solid waste permit number 4355	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Miller & Co. #3	_
	Address Line 1	P.O. Box 367	
	Address Line 1		
	Address City State ZIP	Garrettsville OH 44231	
	Municipality	Freedom County Portage	- 11
C.	Facility Contact Name	Dave Ballentine	-
	Title	President	_
	Phone	330-221-6681 Emall Address davejball@yahoo.com	
d.	Volume of waste shipped to	o processing or disposal facility in the previous year.	-
u.	volume ur waste simpped t	☐ cu yd	
164		The state of the s	
a.	Has the waste been approv	ved for beneficial use?	0
	If "Yes", list the general pe	rmit number or approval number.	
b. ·		lly used in the previous year. ☐ cu yd ☐ gal ☐ ib ☐ ton (check one)	
_		ш «э/э ш «э ш «э» (чилия»»,	

2540-PM-BWM0347 Feev. 1/2011

	The state of the s	3. PROCESS DESCRIPTION'S SCHEMATIC ATTACHMENTS	- 15 1
a.			No
	the waste, as specified in	the instructions, is attached.	
b.	A schematic of the manul as specified in the instruc	acturing and/or pollution control processes producing the waste, Yes X tions, is attached.	No
C.		ion submitted are confidential, the substantiation for Yes No 🛛 Ye	N/A
	a confidentiality claim, as	described in the instructions, is attached.	
	SEC	TIONED MANAGEMENT OF RESIDUALEWASTERS AND THE TEXT	Carultura.
		14 PROCESSING OR DISPOSAL FACILITY (IES)	
The	area below (ad.) will accome	nodate the identification of two facilities. Attach additional sheets if necessary.	1.11 p. 1
a.	Solid waste permit number PA0091472	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Tunnelton Liquids Company	
	Address Line 1	P.O. Box 667	
	Address Line 1		
	Address City State ZIP	Clarion PA 16214	
	Municipality	Clarion Borough County Clarion	
Ċ.	Facility Contact Name	Paula Wolbort	
	Title	Accountant	
	Phone	814-226-5016 Email Address pwolbort@usachoice.net	
d. a.		to processing or disposal facility in the previous year. cuyd gal lb ton (check one) r(s) for processing or disposal facility being utilized.	
b.	Facility Name	Waste Treatment Corporation	
	Address Line 1 Address Line 1	341 West Harmer Street	-
	Address City State ZIP	Warren PA 16365	_
	Municipality	City of Warren County Warren	_
	Facility Contact Name		-
C.	Title	Eric Johnson Plant Supervisor	_
	Phone	724-228-9674 Email Address accounting@waste-treatment.net	_
d. 	Volume of waste shipped t	o processing or disposal facility in the previous year. cu yd gal lb ton (check one)	
		The state of 12 Beneficial Use to PV. This is the state of the state o	
a.	Has the waste been appro-	ved for beneficial use?	Vo
		N. W. Charles and C.	
		rmit number or approval number. Ily used in the previous year.	

0		3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS
а.		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 Notions, 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.
The a	191.11	TION G. MANAGEMENT OF RESIDUAL WASTE 1. PROCESSING OR DISPOSAL FACILITY (IES) nodate the identification of two facilities. Attach additional sheets if necessary.
а.	Solid waste permit number WV3416729395	r(s) for processing or disposal facility being utilized.
b.	Facility Name	West Virginia Oil Gathering
	Address Line 1	157 Lower Eureka Road
	Address Line 1	
	Address City State ZIP	Saint Mary's WV 26170
	Municipality	County Pleasant
c.	Facility Contact Name	Bob Gerst
•.	Title	State Manager
	Phone	304-665-2461 Email Address bgerst@wvogaop.com
	2	3,7,5,7,5,7,5,7,5,7,5,7,5,7,5,7,5,7,5,7,
d,	Volume of waste shipped to	o processing or disposal facility in the previous year. cu yd gal lb lon (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	H
	Municipality	County
-		122007
C.	Facility Contact Name	
	Title	Email Address
	Phone	
d,	Volume of waste shipped to	o processing or disposal facility in the previous year. cuyd gal lb lon (check one)
		2 BENEFICIAL USE PLANTAGE AND
3.	Has the waste been approv	red for beneficial use?
		rmit number or approval number.
D		ly used in the previous year.
		☐ cu yd ☐ gal ☐ lb . ☐ ton (check one).

Rep	rtify, under penalty of lav fort and all attached do aining the information, wledge. I understand the	cuments I verify	s and that based that the submitted	mined and upon my i d informat	am famil nquiry of tion is tru	ar with the those indi	viduals c and c	immediatel omplete to	y responsit the best	ole for
	04, relating to unsworn fa							the penan	ues 01 10 P	i. L.S.
Che	ck the following, if applic	able:	-0						1	
	certify the informati		ired in Section B-1	, General	Properties	was sup	plied to	the Depart	ment for th	e year
	Form Submitted:		Form 26R			-			4	
		. 0	Other (specify)	-						
	Date Submitted:					Y	· ·	~		
	I certify the information		ired in Section B-2	, Chemica	l Analysis	was sup	olied to	the Depart	ment for the	year
-								1.0		
	Form Submitted:		Form 26R							
	Form Submitted:		Form 26R Other (specify)					No. 1		
	Form Submitted: Date Submitted:			- in-	-	Υ,				
			Other (specify)	rocess De	scription	and Schem	atic, was	supplied	to the Depar	tment
	Date Submitted:		Other (specify)	rocess De	scription	and Schem	atic, was	supplied	to the Depai	tment
	Date Submitted: I certify the information for the year and		Other (specify) ed in Section B-3, P	Process De	scription	and Schem	atic, was	s supplied	to the Depai	tment
	Date Submitted: I certify the information for the year and		Other (specify) ed in Section B-3, Pt changed. Form 26R	Process De	scription	and Schem	atic, was	s supplied	to the Depar	tment
Nagh	Date Submitted: I certify the information for the year and Form Submitted:		Other (specify) ed in Section B-3, Pt changed. Form 26R	rocess De	scription Title	and Schem	atic, was	as supplied	to the Depai	tment

- 3. Process Description & Schematic Attachments
 - a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.
 - Drilling Fluid Water that has been generated during the drilling process.

NASTE TYPE	WELID	WE AME .	PERMITA	TOWNSHIP	COUNTY	POISPOSAL POINT	TOTAL GALLONS
03	25933	P1HA:	37-125-24241	W. Bethlehem	Washington	Advanced Waste Services	69510
03	25933	H1HA	37-125-24241	W. Bethlehem	Washington	Appalachian Water Services, LLC	221550
03	25933	#1HA-	37-125-24241	W. Bethlehem	Washington	Franklin	34860
03	25933	#IHA	37-125-24241	W. Bethlehem	Washington	Tunnelton Liquids Company	193620
	V-3					TOTAL WASTE	519540
*		4 ×					
303	25901 .	#8H	37-125-23950	Amwell	Washington	Advanced Waste Services	59640
303	25901	181	37-125-23950	Amwell	Washington	Appalachian Water Services, LLC	28560
303	25901	#8H	37-125-23950	Amwell	Washington	Franklin	22890
i03	25901	#8H =	37-125-23950	Amwell	Washington	Tunnelton Liquids Company	110418
303	25901	#8H	37-125-23950	Amwell	Washington	Waste Treatment Corporation	21000
LORC -					THE RESERVE	TOTAL WASTE	242508
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11		
	*		AC DOE COUNT	4			Cato
303	25958	9H -	37-125-23951	Amwell	Washington	Advanced Waste Services	49140
303	25958	I9H	37-125-23951	Amwell	Washington	Franklin	14490
803,	25958	19H	37-125-23951	Amwell	Washington	Tunnelton Liquids Company	106890
	11.					TOTAL WASTE	170520
-	10.0	1	-	+			
803	26381	Jnit #8H	37-125-24255	W. Bethlehem	Washington:	Advanced Waste Services	36330
803	26381	Jnit #8H	37-125-24255	W. Bethlehem	Washington	Appalachian Water Services, LLC	73710
803	26381	Joit #8H	37-125-24255	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	9870
803	26381	Joit #8H	37-125-24255	W. Bethlehem	Washington	Tunnelton Liquids Company	147000
	1	1.5				TOTAL WASTE	266910
					4 in 1		
		100			1		
803	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Advanced Waste Services	111090
803	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Appalachian Water Services, LLC	47040
803	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	18690
803	26435	Unit #9H	37-125-24256	W. Bethlehem	Washington	Tunnelton Liquids Company	165816
	12.0		12 1/2			TOTAL WASTE	342636
			-	-	+	1	-
803	24403	25	37-051-24272	Nicholson	Fayette	Advanced Waste Services	555870
803	24403	2 25 .	37-051-24272	Nicholson	Fayette	Franklin	179970
803	24403	#25	37-051-24272	Nicholson	Fayette	Hart Resource Tech Pit	85680
803	24403	#25	37-051-24272	Nicholson	Fayette	PA Brine Trt-Josephine PLT	77280
803	24403	25	37-051-24272	Nicholson	Fayette	Tunnelton Liquids Company	1385790
		Transfer of the second	4	1177		TOTAL WASTE	2284590

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The second second

	1				1	T .	
803	23674	Unit #8H	37-059-25545	Cumberland	Greene	Advanced Waste Services	57330
803	23674	Unit #8H	37-059-25545	Cumberland	Greene	Appalachian Water Services, LLC	199290
803.	23674	Unit #8H	37-059-25545	Cumberland	Greene	Tunnelton Liquids Company	63000
-			77.302.303.10	-	- Control	TOTAL WASTE	319620
	1	3-5	F. Contract	17.000	·		
803 .	24930	#46H	37-059-25270	Greene	Greene	Advanced Waste Services	124950
803 -	24930	#46H	37-059-25270	Greene	Greene	Clinton #2	4410
803	24930	#46H	37-059-25270	Greene	Greene	Franklin	34020
803	24930	#46H ·	37-059-25270	Greene	Greene	PA Brine Trt-Josephine PLT	4620
803	24930	#46H	37-059-25270	Greene	Greene	Miller & Co #3	4200
803	24930	#46H	37-059-25270	Greene	Greene	Tunnelton Liquids Company	55230
						TOTAL WASTE	227430
			-				
007	25028	FAU	27.050.2522	5	Control		
803	25038	\$54H	37-059-25272	Greene	Greene	Advanced Waste Services	19320
803	25038 25038	#S4H	37-059-25272	Greene	Greene	Franklin	4620
803	25038	#54H	37-059-25272	Greene	Greene	Tunnelton Liquids Company TOTAL WASTE	2310
			_		+	TOTAL WASTE	26250
	-		-		-		
803	26137	Unit #64H ·	37-059-25603	Monongahela	Greene	Advanced Waste Services	2520
003	20137	Offic HO4/3	37-033-23003	Wiononganeia	Greene	TOTAL WASTE	2520
		· · · · · ·			-	TOTAL WASTE	2320
					120	7.2	
803	26285 .	#8H	37-063-36859	Greene	Indiana	Advanced Waste Services	168840
803	26285	#8H ·	37-063-36859	Greene	indiana	Tunnelton Liquids Company	148680
				1 1 1 1 1		TOTAL WASTE	317520
	1000		1100 -				
803	25668	Unit #5H	37-051-24311	Redstone	Fayette	Advanced Waste Services	93030
803	25658	Unit #5H	37-051-24311	Redstone	Fayette	Franklin	5040
803	25668	Unit #5H	37-051-24311	Redstone	Fayette	PA Brine Trt-Josephine PLT	5040
-						TOTAL WASTE	103110
0							
803	25670	Unit #7H	37-051-24313	Redstone	Fayette	Advanced Waste Services	70770
803	25670	Unit #7H	37-051-24313	Redstone	Fayette	Franklin	4830
803	25670	Unit #7H	37-051-24313	Redstone	Fayette	Tunnelton Liquids Company	47880
	2			-		TOTAL WASTE	123480
				+	-		
903	25213	#19	37-129-27943	Salem	Westmoreland	Advanced Waste Services	14920
803	123273	"15	121.152-21343	Jaieiii	TANESTHOLEIBUG	Movauren Maste Services	4830

803	25213	#19	37-129-27943	Salem	Westmoreland	Tunnelton Liquids Company	29820
7		6				TOTAL WASTE	34650
	/ = I						
803	22831	114	37-051-24220	Dunbar	Fayette	Advanced Waste Services	2310
						TOTAL WASTE	2310
803	26018	#6	37-059-25385	Greene	Greene	Advanced Waste Services	74340
803	26018	#6	37-059-25385	Greene	Greene	Franklin	137130
803	26018	#6	37-059-25385	Greene	Greene	Tunnelton Liquids Company	149588
803	26018	#6	37-059-25385	Greene	Greene	Waste Treatment Corporation	14910
						TOTAL WASTE	376068
803	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	Advanced Waste Services	43470
803	25857	Consol/USX #90	37-059-25334	Monongahela	Greene	Tunnelton Liquids Company	9240
						TOTAL WASTE	52710
		-					
803	26150	Init #10H	37-051-24392	German	Fayette	Advanced Waste Services	566790
803	26150	Init #10H	37-051-24392	German	Fayette	Appalachian Water Services, LLC	106470
						TOTAL WASTE	673260
				4/			
7.		A. Andread					
803	26151	Init #11H	37-051-24391	German	Fayette	Advanced Waste Services	370440
803	26151	Unit #11H	37-051-24391	German	Fayette	Appalachian Water Services, LLC	202440
						TOTAL WASTE	572880
		a - 1:1					
7		200					
803.	25745	Jnit #4H	37-125-24185	Deemston	Washington	Advanced Waste Services	175140
803	25745	Jnit #4H	37-125-24185	Deemston	Washington	Appalachian Water Services, LLC	49980
803	25745	Jnit #4H	37-125-24185	Deemston	Washington	Franklin	14910
803	25745	Jnit #4H	37-125-24185	Deemston	Washington	Tunnelton Liquids Company	207060
						TOTAL WASTE	447090
803	25715	#11H	37-129-28404	S. Huntingdon	Westmoreland	Advanced Waste Services	67620
803	257.15	#11H	37-129-28404	5. Huntingdon	Westmoreland	Appalachian Water Services, LLC	41580
803	25715	#11H	37-129-28404	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	14910
						TOTAL WASTE	124110
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
×	-					, , , , , , , , , , , , , , , , , , , ,	
803	25716	2H	37-129-28403	S. Huntingdon	Westmoreland	Advanced Waste Services	73080
	_	_					

303	25716	#12H	37-129-28403	5. Huntingdon	Westmoreland	Franklin	19950
303	25716	#12H	37-129-28403	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	265230
	2-11-12-12			1		TOTAL WASTE	358260
	24						
303	25664	Init.#4	37-051-24304	Redstone	Fayette	Advanced Waste Services	58800
803	25664	Init #4	37-051-24304	Redstone	Fayette	Tunnelton Liquids Company	58506
			/			TOTAL WASTE	117306
- X							
803	25665	Init#5H	37-051-24305	Redstone	Fayette	Advanced Waste Services	145740
B03	25665	Jnit #SH	37-051-24305	Redstone	Fayette	Appalachian Water Services, LLC	57330
803	25665	Jnit #5H	37-051-24305	Redstone	Fayette	Franklin	39060
803	25665	Unit #5H	37-051-24305	Redstone	Fayette	Tunnelton Liquids Company	100800
			1 1 -4:			TOTAL WASTE	342930
		7					
		1.					
803	25666	Unit #6H	37-051-24306	Redstone	Fayette	Advanced Waste Services	44730
803	25666 :	Jnit #6H	37-051-24306	Redstone	Fayette	Appalachian Water Services, LLC	21840
803	25666	Unit #6H	37-051-24306	Redstone	Fayette	Tunnelton Liquids Company	78120
003	23000	orne worr	01-031-24300	Redstone	rayette	TOTAL WASTE	144690
			+	-	-	TOTAL WASTE	144030
				+		-	
803.	25826	Fayette Beagle Club Unit #5H	37-051-24309	Redstone	Fayette	Advanced Waste Services	17010
803	25826	Fayette Beagle Club Unit #5H	37-051-24309	Redstone	Fayette	Franklin	29610
803	25826	Fayette Beagle Club Unit #5H	37-051-24309	Redstone	Fayette	Tunnelton Liquids Company	84420
003		rayette beagle club offit #3ft	37-031-24303	neustone	rayette	TOTAL WASTE	131040
,	- 1		-	+	-	TOTAL WASTE	131040
	-	-	-	-	-	 	
003	25827	Fructte Seedle Club Unit MCU	37-051-24310	Machineton	Fayette	Advanced Waste Services	9240
803		Fayette Beagle Club Unit #6H Fayette Beagle Club Unit #6H		Washington			4830
80,3	25827	Fayette Beagle Club Onit Hon	37-051-24310	Washington	Fayette	Tunnelton Liquids Company TOTAL WASTE	14070
	-		+		-	TOTAL WASTE	14070
	1 1 1						
003		1-12-14-211	27 051 24275	Dunhar	Envette	Advanced Waste Services	28980
803	26229	Init #13H	37-051-24375	Dunbar	Fayette		
803	26229	Init #19H	37-051-24375	Dunbar	Fayette	Appalachian Water Services, LLC	469560
803	26229	Init #13H	37-051-24375	Dunbar	Fayette	Tunnelton Liquids Company	116256
-	-	100	-			TOTAL WASTE	614796
-		1.	-	-	-		
000	75055	ath watt	27 100 2000	Death	Market and the 1	Advanced Warra Control	25020
803	25915	Init #2H	37-129-28295	Rostraver	Westmoreland	Advanced Waste Services	35070
803	25915	Init #2H	37-129-28295	Rostraver	Westmoreland	Franklin	76020
803.	25915	Init #2H	37-129-28295	Rostraver	Westmoreland	Tunnelton Liquids Company	256620
		Carrier Comments				TOTAL WASTE	367710

	16 T		1 11 11 11 11 11				
		1.7					
303	25726	Game Land's Unit #1	37-059-25337	Dunkard	Greene	Advanced Waste Services	22596
03	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Franklin	24150
803	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	McCutcheon Enterprises, Inc.	9198
303	25726	Game Lands Unit #1	37-059-25337	Dunkard	Greene	Tunnelton Liquids Company	138138
	-					TOTAL WASTE	194082
		2.0					
303	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Advanced Waste Services	18900
303	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Franklin	33810
303	25727	Game Lands Unit #2H	37-059-25338	Dunkard	Greene	Tunnelton Liquids Company	4620
						TOTAL WASTE	57330
							12.5
-		2.1		1			
303	25777	Game Lands Unit #3H	37-059-25339	Dunkard	Greene	Advanced Waste Services	9450
303	25777	Game Lands Unit #3H.	37-059-25339	Dunkard	Greene	Franklin	22680
803	25777	Game-Lands Unit #3H	37-059-25339	Dunkard	Greene	Tunnelton Liquids Company	9660
						TOTAL WASTE	41790
		The same and					
	7.		4 -				
303	22812	i i	37-059-25330	Cumberland	Greene	Advanced Waste Services	33390
803	22812	#1	37-059-25330	Cumberland	Greene	Franklin	4830
803	22812	#1 .	37-059-25330	Cumberland	Greene	Hart Resource Tech Pit	47040
803	22812	#1	37-059-25330	Cumberland	Greene	PA Brine Trt-Josephine PLT	14280
803	22812	#1	37-059-25330	Cumberland	Greene	Tunnelton Liquids Company	103740
						TOTAL WASTE	203280
	1.		-		4		
803	25282	#1 -	37-125-23806	WBethlehem	Washington	Advanced Waste Services	64260
803	25282	#1-	37-125-23806	W. Bethlehem	Washington	Franklin	15960
803	25282	#1	37-125-23806	W. Bethlehem	Washington	PA Brine Trt-Josephine PLT	4830
803	25282	11 .	37-125-23806	W. Bethlehem	Washington	Tunnelton Liquids Company	57330
	-			32 - 53 15 15 17		TOTAL WASTE	142380
		11 7 7 7					
803	25884	#11	37-059-25373	Greene	Greene	Advanced Waste Services	139860
803	25884	#11	37-059-25373	Greene	Greene	Franklin	7140
803	25884	#11.	37-059-25373	Greene	Greene	Tunnelton Liquids Company	111720
-						TOTAL WASTE	258720
		N					
	v gis						
803	25060	Unit #8	37-059-25341	Cumberland	Greene	Advanced Waste Services	52290
803	25060	Unit #8	37-059-25341	Cumberland	Greene	Appalachian Water Services, LLC	188790

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303	25060 .	Unit #8	37-059-25341	Cumberland	Greene	Franklin	90510
03	25060	Unit #8	37-059-25341	Cumberland	Greene	Tunnelton Liquids Company	152288
		1000				TOTAL WASTE	493878
		4					
	9						
103	30418	#2 ,	37-063-36374	W. Wheatfield	Indiana	Advanced Waste Services	32130
303	30418	#2	37-063-36374	W. Wheatfield	Indiana	PA Brine Trt-Josephine PLT	4620
303	30418	#2	37-063-36374	W. Wheatfield	Indiana	Tunnelton Liquids Company	164430
						TOTAL WASTE	201180
	122	1 1 2 2 L					
303	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Advanced Waste Services	25620
03	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Franklin	24570
303 .	24310	Jackson Farms Unit #31H	37-051-24235	Redstone	Fayette	Tunnelton Liquids Company	18480
						TOTAL WASTE	68670
	**						
303	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Advanced Waste Services	34650
303	24311	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Franklin	13020
303	24311 .	Jackson Farms Unit #32H	37-051-24234	Redstone	Fayette	Tunnelton Liquids Company	8820
	17.8	1.744				TOTAL WASTE	56490
		1- :					
	0.00	100					
303	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Advanced Waste Services	14700
803	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Franklin	23520
303	24312	Jackson Farms Unit #33H	37-051-24233	Redstone	Fayette	Tunnelton Liquids Company	32340
		7, 1				TOTAL WASTE	70560
		2					
		200					
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Advanced Waste Services	75642
303	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Appalachian Water Services, LLC	183498
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Franklin	9240
303	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	PA Brine Trt-Josephine PLT	10500
803	24995	Jackson Farms Unit #37H	37-051-24369	Redstone	Fayette	Tunnelton Liquids Company	199626
1						TOTAL WASTE	478506
	18						
				0.00			
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Advanced Waste Services	30072
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Appalachian Water Services, LLC	175938
BC3	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Franklin	59430
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	PA Brine Trt-Josephine PLT	18522
803	24996	Jackson Farms Unit #38H	37-051-24373	Redstone	Fayette	Tunnelton Liquids Company	248724
						TOTAL WASTE	532686

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		T		1	1		
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03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Advanced Waste Services	99246
03_	24997	Jackson Farms.Unit #39H	37-051-24372	Redstone	Fayette	Appalachian Water Services, LLC	83748
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Franklin	42630
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette .	PA Brine Trt-Josephine PLT	6048
03	24997	Jackson Farms Unit #39H	37-051-24372	Redstone	Fayette	Tunnelton Liquids Company	215880
	-			-	1	TOTAL WASTE	447552
	-				1		
-	20000		27.100.00000		West State		
03	25925	. #5'	37-129-28252	Sewickley	Westmoreland	Advanced Waste Services	18270
03 .	25925	115	37-129-28252	Sewickley	Westmoreland	Tunnelton Liquids Company	73290
			_	-	-	TOTAL WASTE	91560
	100	1 1		-	-		
02	24024	War and a second	27.050.050.15	D. Alveit	6		77.07.
103	24974	#17	37-059-25245	Dunkard	Greene	Advanced Waste Services	72870
-	-		-		-	TOTAL WASTE	72870
			-	-	-		
	21000				-		
303	24979	#22H	37-059-25249	Dunkard	Greene	Advanced Waste Services	56700
803	24979	#22H	37-059-25249	Dunkard	Greene	Tunnelton Liquids Company	45948
	V			-		TOTAL WASTE	102648
	1 2 3	4		-	+		

303	25106	#4H	37-129-27964	Salem	Westmoreland	Advanced Waste Services	82740
303	25106	#4H ·	37-129-27964	Salem	Westmoreland	Franklin	50190
303	25106	#4H "·	37-129-27964	Salem	Westmoreland	PA Brine Trt-Josephine PLT	18900
803	25106	#4H	37-129-27964	Salem	Westmoreland	Tunnelton Liquids Company	29820
		-				TOTAL WASTE	181650
+	-						
			100000000000000000000000000000000000000		-		
303	24043	#21	37-059-25159	Monongahela	Greene	Advanced Waste Services	41370
303	24043	#21	37-059-25159	Monongahela	Greene	Tunnelton Liquids Company	57960
	-	**************************************	-	-		TOTAL WASTE	99330
	_	-					
			27.050.251.05	14		No. and Waste Contract	144100
803	25605	#33	37-059-25185	Monongahela	Greene	Advanced Waste Services TOTAL WASTE	44100
-		+				TOTAL WASTE	44100
		-	-	-			
202	2020	100	27.120.20112	Rostraver	Westmoreland	Advanced Waste Services	110880
303	25758	#9	37-129-28113 37-129-28113	Rostraver	Westmoreland	Hart Resource Tech Pit	10080
303	25758	#9	37-129-28113	Rostraver	Westmoreland	Tunnelton Liquids Company	84840
003	23730	17	37-123-20113	NO3(18VE)	VI COLINIO CIONO	TOTAL WASTE	205800
-	-		-	-	_	TOTAL WASTE	203000

303	30425	nit #1 .	37-063-36627	W. Wheatfield	Indiana	Advanced Waste Services	104580
303	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Hart Resource Tech Pit	227540
303	30425 .	Unit #1	37-063-36627	W. Wheatfield	Indiana	PA Brine Trt-Josephine PLT	37800
303	30425	Unit #1	37-063-36627	W. Wheatfield	Indiana	Tunnelton Liquids Company	323190
		The state of the s		1		TOTAL WASTE	693210
	1						
803	25769	#4	37-051-24266	Springhill	Fayette	Advanced Waste Services	122850
803	25769	1 #4	37-051-24266	Springhill	Fayette	Franklin	14280
803	25769	#4	37-051-24266	Springhill	Fayette	PA Brine Trt-Josephine PLT	10290
803	25769	#4	37-051-24266	Springhill	Fayette	Tunnelton Liquids Company	98070
	- Y		10 36 1 -	1 1 1 1 1		TOTAL WASTE	245490
		1		1 7			
		-					
803	25853	#20	37-059-25362	Jefferson	Greene	Advanced Waste Services	30240
803	25853	#20	37-059-25362	Jefferson	Greene	Franklin .	13860
803	25853	#2,0	37-059-25362	Jefferson	Greene	Tunnelton Liquids Company	111300
			1 7 7 1 1 1 1			TOTAL WASTE	155400
		2					
	1 - 1	1 - 11.0	В				
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Advanced Waste Services	118230
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Franklin	74340
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	PA Brine Trt-Josephine PLT	19950
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	Tunnelton Liquids Company	95760
803	25924	National Mines Corp. #26H	37-051-24365	Luzerne	Fayette	West Virginia Oil Gathering	10416
-	1 2					TOTAL WASTE	318696
		* "		11 1 =			
		3 4 4 4				***	
803	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	Advanced Waste Services	2100
803	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	Franklin	4830
803	25197	Unit #3H	37-051-24257	Lower Tyrone	Fayette	Hart Resource Tech Pit	18060
803	25197	Jnit #3H	37-051-24257	Lower Tyrone	Fayette	PA Brine Trt-Josephine PLT	14700
803	25197	Init #3H	37-051-24257	Lower Tyrone	Fayette	Tunnelton Liquids Company	146160
		7.2			10 4	TOTAL WASTE	185850
		1.00		1			
803	25742	UT #2H	37-063-36738	W. Wheatfield	Indiana	Advanced Waste Services	73080
803	25742	UT #2H'	37-063-36738	W. Wheatfield	Indiana	Franklin	19950
803	25742	UT #ZH"	37-063-36738	W. Wheatfield	Indiana	Tunnelton Liquids Company	275310
						TOTAL WASTE	368340
	in the second	The second second					
	i i						
803	25026	#29	37-051-24249	Washington	Fayette	Advanced Waste Services	132930

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803	25026	#29	37-051-24249	Washington	Fayette	PA Brine Trt-Josephine PLT	10080
303	25026	#29	37-051-24249	Washington	Fayette	Tunnelton Liquids Company	28350
				1		TOTAL WASTE	171360
				1 1/2			
803	23182 .	#15H "	37-125-24044	Robinson	Washington	Advanced Waste Services	127890
1.0						TOTAL WASTE	127890
	- 11			4 1			11 21 2
303	24910	#18H	37-125-23963	Robinson	Washington	Advanced Waste Services	178920
						TOTAL WASTE	178920
	100	1 10 5		1			
303	25304	#8	37-129-28084	Sewickiey	Westmoreland	Advanced Waste Services	53886
303	25304	#8	37-129-28084	Sewickley	Westmoreland	Tunnelton Liquids Company	68670
						TOTAL WASTE	122556
		1 1 18		1, 17			
803	25996	#1	37-051-24314	Franklin	Fayette	Advanced Waste Services	124110
303	25996	#1	37-051-24314	Franklin	Fayette	Appalachian Water Services, LLC	23730
303	25996	#1 :	37-051-24314	Franklin	Fayette	Franklin	39690
-			137 032 21321	Transmit	royette	Tunnelton Liquids Company	257250
						TOTAL WASTE	444780
		100	-			TOTAL TITAL	144700
		1 1		-	_		
803	25880	Unit #1H	37-051-24279	Brownsville	Fayette	Advanced Waste Services	36330
803	25880	Unit #1H	37-051-24279	Brownsville	Fayette	Franklin	24780
803	25880	Unit #1H	37-051-24279	Brownsville	Fayette	Tunnelton Liquids Company	255486
003	23000	Ollicath	37-031-24273	BIOWISVIILE	rayette	TOTAL WASTE	316596
					-	TOTAL WASTE	370320
						1	
803	25680	Unit #26H :	37-051-24344	Redstone	Fayette	Advanced Waste Services	23940
803	25680	Unit #26H '	37-051-24344	Redstone	Fayette	PA Brine Trt-Josephine PLT	9240
803	25680	Unit #26H	37-051-24344	Redstone	Fayette	Tunnelton Liquids Company	65730
803	23060	Dritt #2017	37-031-24344	Medstolle	rayette	TOTAL WASTE	98910
				-		TOTAL WASTE	38310
				-		1	
002	25681	Unit #27H	37-051-24343	Redstone	Fayette	Advanced Waste Services	46830
803		Unit #27H	37-051-24343	Redstone		Appalachian Water Services, LLC	162750
803 803	25681	Unit #27H	37-051-24343	Redstone	Fayette Fayette	Tunnelton Liquids Company	18480
803	25081	Unit #4/H	37-031-24343	Venziolle	rayette	TOTAL WASTE	228060
	_	N. Comments				TO AL WASTE	220000
		P.C.					
803	26474	Unit #34H .	37-051-24388	Redstone	Fayette	Advanced Waste Services	29820
003	20474	Unit wagn	121-027-54300	Lienztone	Trayette	Lunabiliten Maste Selvices	123020

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303	26474	Unit #34H	37-051-24388	Redstone	Fayette	Appalachian Water Services, LLC	267330
03	26474	Unit #34H	37-051-24388	Redstone	Fayette	PA Brine Trt-Josephine PLT	4830
103	26474	Unit #34H	37-051-24388	Redstone	Fayette	Tunnelton Liquids Company	34440
	and The Control					TOTAL WASTE	336420
					-		
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Advanced Waste Services	49980
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Appalachian Water Services, LLC	343140
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	PA Brine Trt-Josephine PLT	5040
803	26475	Unit #35H	37-051-25389	Redstone	Fayette	Tunnelton Liquids Company	29715
						TOTAL WASTE	427875
	1 25 0 1	4.7					
803	25682	Unit #28H	37-051-24342	Redstone	Fayette	Advanced Waste Services	85260
303	25682	Unit #28H	37-051-24342	Redstone	Fayette	Appalachían Water Services, LLC	135240
803	25682	Unit #28H	37-051-24342	Redstone	Fayette	Tunnelton Liquids Company	23520
P	7/25					TOTAL WASTE	244020
				SE-			
803	26016 -	Unit #30H	37-051-24341	Redstone	Fayette	Advanced Waste Services	60165
803	26016	Unit #30H	37-051-24341	Redstone	Fayette	Appalachian Water Services, LLC	91980
803 -	26016	Únit #30H	37-051-24341	Redstone	Fayette	Franklin	36435
803	26016	Unit #30H	37-051-24341	Redstone	Fayette	PA Brine Trt-Josephine PLT	2520
803	26016	Unit #3.0H	37-051-24341	Redstone	Fayette	Tunnelton Liquids Company	58590
		.;				TOTAL WASTE	249690
			-0 -				
				4			
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Advanced Waste Services	68985
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Appalachian Water Services, LLC	81270
803 .	26017	Unit #31H	37-051-24340	Redstone	Fayette	Franklin	36435
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	PA Brine Trt-Josephine PLT	2520
803	26017	Unit #31H	37-051-24340	Redstone	Fayette	Tunnelton Liquids Company	58590
						TÖTAL WASTE	247800
	1.4.	- n-0	_		74 1 3		
						41 5 2 5 5 5	
803	26040 .	Unit #32H	37-051-24316	Redstone	Fayette	Advanced Waste Services	186900
803	26040	Unit #32H	37-051-24316	Redstone	Fayette	Franklin	29820
803	26040	Unit #32H	37-051-24316	Redstone	Fayette	PA Brine Trt-Josephine PLT	9660
803	26040	Unit #32H	37-051-24316	Redstone	Fayette	Tunnelton Liquids Company	116340
17-7						TOTAL WASTE	342720
	1						
803	26041	Unit #33H	37-051-24317	Redstone	Fayette	Advanced Waste Services	252000
803	26041	Unit #33H	37-051-24317	Redstone	Fayette	Tunnelton Liquids Company	116760

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_					1	TOTAL WASTE	368760
		*** ×					
	1		Art in the case			7	
303	26476	Unit.#36 :	37-051-24390	Redstone	Fayette	Advanced Waste Services	51240
803	26476	Jnit#36	37-051-24390	Redstone	Fayette	Appalachian Water Services, LLC	154980
						TOTAL WASTE	206220
	0,			- 4			
803	25759	5914	37-129-28130	Rostraver	Westmoreland	Advanced Waste Services	50900
303	25759	59H	37-129-28130	Rostraver	Westmoreland	Franklin	62160
803	25759 3	59H	37-129-28130	Rostraver	Westmoreland	Tunnelton Liquids Company	102480
	13.					TOTAL WASTE	225540
		4 10 00			10.		
803	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Advanced Waste Services	840
803	23467	Unit #39	37-129-28129	Rostraver	Westmoreland	Tunnelton Liquids Company	9870
					10 /	TOTAL WASTE	10710
	(-						
					The same of		
803	25760	nit #6QH	37-129-28131	Rostraver	Westmoreland	Franklin	20160
803	25760	nit #60H	37-129-28131	Rostraver	Westmoreland	Tunnelton Liquids Company	19530
						TOTAL WASTE	39690
4			41				
						- X	
803	24154	#19	- 37-059-25162	Jefferson	Greene	Advanced Waste Services	28140
803	24154	#19	37-059-25162	Jefferson	Greene	McCutcheon Enterprises, Inc.	4620
803	24154	#19	37-059-25162	Jefferson	Greene.	Tunnelton Liquids Company	4620
		11 10 10 10 10 10 10 10 10 10 10 10 10 1				TOTAL WASTE	37380
			4		5		
803	25887	#1	37-051-24284	Franklin	Fayette	Advanced Waste Services	18690
		1. A				Franklin	32760
						Tunnelton Liquids Company	14070
						TOTAL WASTE	65520
	The second	The second second					
803	25389	#1	37-129-28123	Sewickley	Westmoreland	Advanced Waste Services	178920
803	25389	#1	37-129-28123	Sewickley	Westmoreland	PA Brine Trt-Josephine PLT	14490
803	25389	#1 +,	37-129-28123	Sewickley	Westmoreland	Miller & Co #3	21210
803	25389	#1	37-129-28123	Sewickley	Westmoreland	Tunnelton Liquids Company	118230
						TOTAL WASTE	332850
	1						
t te							
803	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Advanced Waste Services	5040

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	3	100					
03	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Franklin	9240
03	26048	Unit #20H	37-129-28264	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	214830
303	20040		37-223-20204	J. Harring don	TANCE OF THE PARTY	TOTAL WASTE	229110
			-	-		TOTAL WALL	LEGIZO
				+	-		_
B03	25855	#SH	37-125-23962	Deemston	Washington	Advanced Waste Services	44310
803	25855	#SH	37-125-23962	Deemston	Washington	Tunnelton Liquids Company	83370
003	25055	1311.	07-120-20002	Ocemston	W ESTIMISTON	TOTAL WASTE	127680
			_	-	-	TOTAL WASTE	12/660
			-	+	1	-	
803	25750	41H,	37-059-25459	Jefferson *	Greene	Advanced Waste Services	117810
803	25750	#1H.,	37-059-25459	Jefferson	Greene	Franklin	4200
803	25750	#1H .	37-059-25459	Jefferson	Greene	Tunnelton Liquids Company	1.18650
503	25750	, III .	37-038-23439	Dellerson	Greene	TOTAL WASTE	240660
			-	1	-	TOTAL WASTE	24000
			-	+			-
803	24177	#3	37-129-27568	S. Huntingdon	Westmoreland	Tunnelton Liquids Company	2520
003	241//		37-123-27300	3. Auticinguon	Westinoreiand	TOTAL WASTE	2520
	_		-	-	-	TOTAL WASTE	2520
				+	-		
			-			TOTALS	
	-	La Article Control		-	-	TOTALS:	
		- · · · · · · · · · · · · · · · · · · ·		-	-	ADVANCED WASTE SERVICES	6630582
						Appalachian Water Services, LLC	3411744
		D		-		CUNTON #2	4410
	V 16	++		-		FRANKLIN	1462020
					1 1	HART RESOURCE TECH PIT	388500
						PA BRINE TRT-JOSEPHINE	334320
		in the second		-		MCCUTCHEON ENTERPRISES, INC.	13818
		in the second				MILLER & CO. #3	25410
	3,500	V .*			111	TUNNELTON LIQUIDS COMPANY	8439669
					1	WASTE TREATMENT CORPORATION	35910
		3				WEST VIRGINIA OIL GATHERING	10416
14					1	GRAND TOTAL OF FACILITIES	20756799
7	27						
	7						
	7.7						
	2 2 2 3 1		0		5 2		
		3-1-1					

Exhibit 2F



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 legil ttache	oly printed in the spaces of sheet as Form 26R,	stely completed. All requisions provided. If additional sy reference the item numbers needs to match the date	pace is necessary, iden per and identify the d	tify Date Rece	P.USE ONLY
Genera	Refe	rence 287.54				
Date Pr	epare	d/Revised				
	Amminus Co.	SECTION A	CLIENT GENERATO	ROFTHE WASTE II	FORMATION	
Compa		me	The state of the s	and the state of t		
		ces, LLC)
ir a Sub	sidiar	y, Name of Parent Comp	any		EP	A Generator ID#
		iling Address Line 1 View Drive	C	Company Mailing Addre	ss Line 2	1-20
Compa	ny Ad	dress Last Line - City	State	Zip+4	Phone	Ext
Smithfi			PA	15478+8902	724-564-23	
Butchk		ntact Last Name	First Name	MI	Su	ffix
Municip			Jenny	County		
George	_	*		Favette		
Contact			Contact Email Address			
724-56			jbutchko@atlasenergy.c			
			y Mailing Address (noted eration and storage. See		L	Yes No
It No.'	descri	be location of waste ger	eration and Storage. See	attachment		
Municip	ality	Georges	County Fayet	te	State	PA
			SECTION B. WASI			
Resid		7.167717	ual Waste		Unit of	Time
Waste (Code	Code D	escription	Amount	Measure	Frame
802		Brine		See attachment	☐ cu yd ga ☐ lb ☐ for	
Fig. 12.5	4000 M	PART TO ELLE	1. GENERAL P	ROPERTIES	44.5	
	pH Ra		to n/a	(based on analyses or k	nowledge)	
b.	Physic	al State	Liquid Waste (EPA Me			
Ŧ		1. 44 7.4	Solid (EPA Method 90		6.2	
	Dhunio	ol Appendica	Gas (ambient tempera	iture & pressure) Odo	Alexan	
C	rnysic	al Appearance	Number of Solid or Liquid	the same of the sa		
		. 4	Describe each phase of s			
	1		Describe cault phase of s	срагавоп.		
经特别			* 2. CHEMICAL ANALY			
i	instruc	tions, is attached.	ical characterization of the		n the	Yes No
			aste sampling method is			Yes No
	The quattache		control procedures emplo	yed by the laboratory(i	es) is	Yes No
			raste determination is atta	ched		Yes No
e I	fappli		ation supporting use of ge		Yes [] No

		3) PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS	
а.	the waste, as specified in	the instructions, is attached. & Sel Attached	No
b.	A schematic of the manuf as specified in the instruc		No
C.		ion submitted are confidential, the substantiation for Yes No described in the instructions, is attached.	N/A
		TION C. MANAGEMENT OF RESIDUAL WAS IE 1. Processing or Disposal Facility (IES)	
The a		modate the identification of two facilities. Attach additional sheets if necessary.	
a,	Solid waste permit numbe 0927	er(s) for processing or disposal facility being utilized.	-
b.	Facility Name	B & R Injection Wel "American Energy Inc."I	
	Address Line 1	P.O. Box 471	-
	Address Line 1		_
	Address City State ZIP	Cortland OH 44410	
	Municipality	Pierpoint County Ashtabula	
	Facility Contact Name		
C,	Title	Bob Barnett	
		President 440-862-4041 Email Address amenergy@earthlink.pet	
	Phone	440-862-4041 Email Address amenergy@earthlink.net	
d.	Volume of waste shipped t 8400	to processing or disposal facility in the previous year. cu yd gal lb ton (check one)	
a.	Solid waste permit number OH-2403	r(s) for processing or disposal facility being utilized.	
b.	Facility Name	BDB Trucking & Energy	
	Address Line 1	P.O. Box 4352	-
	Address Line 1	· ·	
	Address City State ZIP	Youngstown OH 44515	-
	Municipality	Fowler County Trumbull	_
-1-	Facility Contact Name	Kirk Sherrill	
c.	Title		_
	Phone	Manager 330-544-6566 Email Address bdbtrucking1229@aol.com	
ď.	Volume of waste shipped to 3528	to processing or disposal facility in the previous year. cu yd	
		2 Benefigiarus automatika (h. 1914).	4200
	manuscriptum and the state of t		No
a.	Has the waste been approv		
a.	그 사람이 가장이 가장 생각이 사람이 없었다.	그러워 생각하는 사람들이 가지 않는데 이번 가게 되었다.	176
a. o.	If "Yes", list the general pe	ermit number or approval number. Ily used in the previous year.	

		Ar Service	SECTION D. GERTIFICATION
Rep obta know	ort and all attached doc aining the information, I wledge. I understand the	cuments verify at 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.
Che	ck the following, if applic	able:	
	I certify the information		ired in Section B-1, General Properties was supplied to the Department for the year
	Form Submitted:		Form 26R
	4 4		Other (specify)
	Date Submitted;		
	I certify the informatio		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
	5.		Other (specify)
	Date Submitted:		
Ham	e of Responsible Official	,	Title EHS Muchen
Sign	ature White L	her	Date 3(1)11
_			

- 3. Process Description & Schematic Attachments
 - a. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.
 - Brine Water that has been generated during the well production process.

共产人公里	THE REPORT OF THE PERSON OF T	TIVE	Livebre	Fernut # #	The Winstell	C OF IER	And of Anisposal only	Calline
802	30304		k #3	37-031-24858	Knox	Clarion	B & R INJECTION WELL	8400
802	30304		L#3	37-031-24858	Knox	Clarion -	BDB ENERGY D-1 DISP WELL	3528
							Total Waste	11928

17.



TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Form 26R

Lot #: C9L230421

Stephanie Eliason

BCSER 3237 US Highway 19tories Inc Cochranton,, PA 16314

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch Project Manager

January 8, 2010



NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program NFESC	Certificate #	Program Types NAVY	TestAmerica X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW HW	X
California – NELAC	04224CA	WW HW	X
Connecticut	(#PH-0688)	WW HW	X
Florida - NELAC	(#E871008-04)	WW HW	X
Illinois - NELAC	(#002064)	WW HW	X
Kansas – NELAC	(#E-10350)	WW HW	X
Louisiana – NELAC	(#04041)	WW HW	X
New Hampshire - NELAC	(#203008)	ww	X
New Jersey - NELAC	(PA-005)	WW HW	X
New York - NELAC	(#11182)	WW	X
North Carolina	(#434)	WW HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
South Carolina	(#89014002)	WW	X
Utah - NELAC	(STLP)	WW	X
West Virginia	(#142)	WW HW	X
Wisconsin	998027800	ww	X

The codes utilized for program types are described below:

HW Hazardous Waste certification

Non-potable Water and/or Wastewater certification WW

Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATTVE Pttsburgh.doc

CASE NARRATIVE ECS&R Form 26R

LOT # C9L230421

Sample Receiving:

TestAmerica's Pittsburgh laboratory received samples on December 23, 2009. The coolers were received within the proper temperature range.

The laboratory could not determine which sample bottles were for sample Green County Flowback and Fayette County Flowback. These were resampled and the results are reported in lot C9L290507.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:

Due to the concentration of compounds detected, WASHINGTON COUNTY FLOW BACK was analyzed at a dilution.

Metals:

Several samples listed above were analyzed at dilution for all requested analytes. These analytes are reported from the 6500ICP, for which an internal standards, indium and yttrium, are added to all standards and samples during analysis. The yttrium counts in these samples were outside of QC criteria (70-130% of the yttrium counts in the ICB), therefore, all analytes referencing yttrium were diluted for analysis.

The method blank had mercury detected at a concentration between the MDL and the reporting limit. The result was flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

The matrix spikes of sample FAYETTE COUNTY BRINE recovered below the control limit for mercury. The RPD recovered above the control limit.

General Chemistry:

pH is a field parameter. Laboratory pH analysis was completed at the request of the client.

For nitrate and nitrite, samples WESTMORELAND PRODUCTION BRINE and WESTMORELAND FLOW BACK were received with 50% or more of their 48-hr holding times expired. They were analyzed as soon as possible after receipt but their holding times were exceeded.

CASE NARRATIVE ECS&R Form 26R

LOT # C9L230421

General Chemistry cont.:

The samples were analyzed at a dilution for several analytes due to concentration or matrix.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

TestAmerica's Buffalo laboratory analyzed the ethylene glycol.

TestAmerica's Nashville laboratory analyzed the TKN and MBAS.



COC ID: KOVITCHC19038-1194-2

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Form 26R			Quote #:	84855	Ī		Client:	Atlas		
Date: /2-22-09				Carrier/Waybill #:		·			800 Mo	untain View Dr.	
Project Manager:	Johπ Collins										
Phone:	724-317-2293								Smithfield 15478		
SAME	PLE ID	DATE/TIME	MATRIX	ВС	TTLE TYP	E	*	PRESE	RVATIVE	ANA	LYSIS
WAShington Co	outy Flow Bak	12-22-09 1000AH	WATER	1LP	F	Plastic -1 Liter	1	No	ne	WATER, Addity, T-ALK	,Cond,TDS,TSS
1000		Action 1	WATER	1LAG	Glas	s - 1 Liter Amber	2	Hydroch	loric Acid	WATER, 1864A HEM, C	&G
			WATER	250P	PI	lastic - 250mL	1	Nitrio	Acid	WATER, 2340C, T-Hard	ness .
			WATER	500P	Plast	ic - 500mL (16az)	1	Sulfuri	ic Acid	WATER, 351.2 TKN TA	A Nashville
			WATER	250AG	Glas	s - 250mL (8oz)	1	Sulfuri	ic Acid	WATER, 420.4, Total Ph	enolics
			WATER	1LP	P	Amber lastic -1 Liter	1	No	ne	WATER, 425.1 MBAS	TA Nashville
			WATER	1LP	P	lastic -1 Liter	1	No	ne	WATER, 5210B, BOD	
			WATER	500P	Plast	c - 500mL (16cz)	1	Nitric	Add	WATER, 60108 Diss-Me	etal (Fe Only)
			WATER	500P	Plasti	c - 500mL (16oz)	1	Nitric	Add	WATER, 6010B T-Metals	s+ HG (26R List)
			WATER	1LP	P	lastic -1 Liter	1	Nitric	Add	WATER, 6010C Metals	U,Th,Sr
			WATER	w	Gla	ss - 40mL Vial	2	Hydrochi	oric Acid	WATER, 8015 Ethylene	Glycol TA Buffalo
			WATER	w	Gia	ss - 40mL Vial	3	Hydrochie	oric Acid	WATER, 8260B, VOA (8	3&T only)
			WATER	1LP	P	lastic -1 Liter	1	No	ne	WATER, Br,CI,NO2, NO3	\$04
			WATER	500P	Plastic	c - 500mL (16oz)	1	Sulfurio	c Acid	WATER, Ammonia Nitrog	en, COD
WAShing ton Co	WHY PINBACK	12-22-09 JOSE AM	WATER	1GP	Pla	stic - 1 Gallon	1	No	ne	WATER. Gamma Emitte	s Cesium Grass Alpha Beta
Special Requirements:											
Possible Hazard Identification	Non-Hazard	Flammable Skin kritant	Poison 9	Unknown Sam	ple Disposal:	Return to Citent		Disposel by	Lab [Archive for Month	(A fee may apply if samples are retained longer than 3 months)
Turn Around Time Required:	Normal	Rush Other	QC Level:	.1 11 11	Project Spe	icific Requirements (S)	pecify):				
John Call	in		Date/Tigne:	9 BOOPH	Received b	у:					Date/Time:
Removished by:			Deterrine:	Y -96-14	Received by	r:		7			Date/Time:
Relinquished by:			Date/Time:		Received by	×		K		3	Deterture 23/09 98
Comments:											11-1-1

Printed On: 12/16/2009 01:50 PM



COC ID: KOVITCHC19038-1194-2

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Form 26R				Quote #:	84855	1		Client	Atlas		
Date: 12-21-09					Carrier/Waybill #:	7				800 Mo	untain View Dr.	
Project Manager:	John Collins	_							1			
Liver was to be					-				- 1	C-146-		
Phone:	724-317-2293				1					Smithfie PA	ви	15478
SAMP	LE ID	D	ATE/TIME	MATRIX	В	OTTLE TY	PE	#	PRESER	EVATIVE	ANA	ALYSIS
VESTMORELAN	H Penductine	Rayle	12.21-09	WATER	1LP		Plastic -1 Liter	1	No		WATER, Addity, T-AL	
EITHERAM	12000	- C	100101	WATER	1LAG	Gla	ss - 1 Liter Amber	2	Hydrochk	oric Acid	WATER, 1684A HEM,	O&G
		1	_/_	WATER	250P		Plastic - 250mL	1	Nitric	Acid	WATER, 2340C, T-Han	dness
				WATER	500P	Plas	tic - 500mL (16oz)	1	Sulfurk	c Acid	WATER, 351.2 TKN	TA Nashville
		1	1	WATER	250AG	Gla	ss - 250mL (Boz)	1	Sulfurk	c Acid	WATER, 420.4, Total P	henolics
		/	/	WATER	1LP		Plastic -1 Liter	1	No	ne	WATER, 425.1 MBAS	TA Nashville
		/	1	WATER	1LP		Plastic -1 Liter	1	No	ne	WATER, 5210B, BOD	
				WATER	500P	Plas	tic - 500mL (16oz)	1	Nitric	Add	WATER, 8010B Diss-N	letal (Fe Only)
				WATER	500P	Plas	tic - 500mL (16oz)	1	Nitric.	Acid	WATER, 6010B T-Meta	fs+ HG (26R List)
			1	WATER	1LP		Plastic -1 Liter	1	Nitric	Acid	WATER, 6010C Metals	U,Th,Sr
				WATER	W	G	ass - 40mL Vial	2	Hydrochk	oric Acid	WATER, 8015 Ethylene	Glycol TA Buffalo
			1	WATER	W	G	ass - 40mL Vial	3	Hydrochic	oric Acid	WATER, 8260B, VOA	(B&T only)
	1	1		WATER	1LP		Plastic -1 Liter	1	Nor	ne	WATER, Br,CI,NO2, NO.	3,504
			1	WATER	500P	Plas	ic - 500mL (16oz)	1	Sulfurio	Acid	WATER,Ammonia Nitro	gen, COD
UEST WERE AND	Production Be	we 12.2	1-09 10:00	AM WATER	1GP	P	astic - 1 Gallon	1	Nor	10	WATER, Gamma Emitte	ers Cesium Grass Alpha Beta
pecial Requirements:												*
ossible Hezerd Identification;	Non-Hazzerd	Flammable	Skin irritari	Poison B	Unknown Se	npie Disposal.	Return to Client	П	Disposat by	Leb	Archive for Mont	hs (A fee may apply if semples ar retained longer than 3 months
ium Around Time Required;		Rush	Other_	QC Lavel:	_1	Project Sp	pecific Requirements (S	pecify):				reasined longer than 3 months
Jaku Car				Dete/Time:	09 1:00 PM	Received	by:					Date/Time:
sylvistred by:				Date/Time:		Received	by:	_		-		Date/Time:
elinquished by:				Date/Time:	Determine Determ			Detertide: 3/29 9				
omments:						-1-	6	-			>	14000



COC ID: KOVITCHC19038-1194-2

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Form 26R		0	Quote #: 8	4855			Client: A	fas		
Date: 12/22/09			C	anterWaybill #:				80	800 Mountain View Dr.		
Project Manager.	John Collins							1			
Phone:	724-317-2293							S	mithfield		
	12. 01. 2200						_	P		15478	
SAMPI	LE ID	DATE/TIME	MATRIX	ВО	TLE TYP	Έ	*	PRESERVA	ATIVE A	NALYSIS	
FAYEHE	County -Brise	12/22/09 -10:00 Am	WATER	1LP	F	Plastic -1 Liter	1	None	WATER, Addity, T-	ALK,Cond,TDS,TSS	
		1	WATER	1LAG	Glas	s - 1 Liter Amber	2	Hydrochlorid	Acid WATER, 1864A HEA	A, O&G	
			WATER	250P	P	astic - 250mL	1	Nitric Ac	id WATER, 2340C, T-H	lardness	
)			WATER	500P	Plast	ic - 500mL (18oz)	1	Sulfuric A	cid WATER, 351.2 TKN	TA Nashville	
1			WATER	250AG	Glas	s - 250mL (8oz)	1	Sulfuric A	cid WATER, 420.4, Total	l Phenolics	
(WATER	1LP	P	lastic -1 Liter	1	None	WATER, 425.1 MBA	S TA Nashville	
			WATER	1LP	P	lastic -1 Liter	1	None	WATER, 5210B, BO	0	
1)	WATER	500P	Plast	c - 500mL (16oz)	1	Nitric Ac	MATER, 6010B Diss	s-Metal (Fe Only)	
			WATER	500P	Plasti	c - 500mL (16az)	1	Nitric Ac	MATER, 8010B T-M	etals+ HG (26R List)	
7			WATER	1LP	P	lastic -1 Liter	1	Nitric Ac	MATER, 8010C Met	als U,Th,Sr	
(WATER	w	Gla	ss - 40mL Vial	2	Hydrochloric	Acid WATER, 8015 Ethyle	ene Glycol TA Buffalo	
\rightarrow			WATER	w	Gla	ss - 40mL Vial	3	Hydrochloric	Add WATER, 8260B, VOA	(B&T only)	
-		7	WATER	1LP	P	lastic -1 Liter	1	None	WATER, Br,CI,NO2, N	Y03,S04	
)	WATER	500P	Plasti	c - 500mL (16oz)	1	Suffuric A	old WATER Ammonia Ni	trogen, COD	
	E-E-S-d)	7	WATER	1GP	Pla	stic - 1 Gallon	1	None	WATER. Gamma Em	litters Cesium Grass Alpha Beta	
pecial Requirements:										- C	
lossible Hazard Identification:	Non-Hazard Fi	erremable Skin Irritant F	Poison B	Unknown Samp	le Disposal:	Return to Client		Disposal by Lat	Archive for Me	onths (A fee may apply if samples ar retained longer than 3 months	
ium Around Time Required:	Normal Ru		QC Level:	# III	Project Spi	cific Requirements (S)				retained longer than 3 months	
elinquished by:	us Jims		DeterTime: /2-37-09/	13:00 PM	Received b	у:				Date/Time:	
olinquished by:	-00		Dete/Time:	7 7 7 7	Received b	y:		> /	7	Dete/Time:	
elinquished by:			Data/Time:		Received b	r	K	0	-	Date/Time/23/09 9	
ommerits:						-				771	

Page 1 of 1



COC ID: KOVITCHC19038-1194-2

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Form 26R					Quote #:	84855				Client:	Atlas		
Date: 12-21-69						Carrier/Wayb	M D:			-		800 Mo	untain View Dr.	
Project Manager:	John Collins					1					1			
						1					- 10	Smithfie	u.	
Phone:	724-317-229	13							_	_		PA	eio.	15478
SAMP	LEID		DATE	E/TIME	MATRIX		BOTTLE	TYPE		#	PRESER	VATIVE	ANA	LYSIS
Westmoreland	Flour	BACK	Black	1030A4	WATER	1	LP	Plastic -1 Lite	r I	1	Nor	10	WATER, Addity, T-ALK	(Cond,TDS,TSS
W.Comine april	1	1	14jon jo	100.77	WATER	11	AG (Glass - 1 Liter An	nber	2	Hydrochie	ric Acid	WATER, 1684A HEM, O	0&G
	1	1	1	-11	WATER	25	OP	Plastic - 250m	L	1	Nitric /	Acid	WATER, 2340C, T-Hard	Iness
		11			WATER	50	OP P	lastic - 500mL (1	Boz)	1	Sulfurio	Acid	WATER, 351.2 TKN T	A Nashville
		1		: /	WATER	250	AG (Glass - 250mL (8	loz)	1	Sulfurio	Acid	WATER, 420.4, Total Ph	nenolics
	1	/	1		WATER	11	P	Plastic -1 Liter	,	1	Non	e	WATER, 425.1 MBAS	TA Nashville
	11		/	/	WATER	11	P	Plastic -1 Liter	r	1	Non	8	WATER, 5210B, BOD	
	1	7	1		WATER	50	OP P	astic - 500mL (1	60Z)	1	Nitric A	Acid	WATER, 6010B Disa-M	etal (Fe Only)
	11				WATER	50	OP P	astic - 500mL (1	60Z)	1	Nitric A	Acid	WATER, 6010B T-Metal	s+ HG (26R List)
	1	1	1	1	WATER	11	P	Plastic -1 Liter		1	Nitric A	Acid	WATER, 6010C Metals	U,Th,Sr
			1		WATER	V	V	Glass - 40mL V	ial	2	Hydrochlo	nic Acid	WATER, 8015 Ethylene	Glycol TA Buffalo
					WATER	V	V	Glass - 40mL Vi	iat	3	Hydrochlo	ric Acid	WATER, 8260B, VOA (1	B&T only)
		1			WATER	11	P	Plastic -1 Liter		1	Non	•	WATER, Br,CI,NO2, NO3	,504
1					WATER	50	OP P	astic - 500mL (1	6oz)	1	Sulfuric	Acid	WATER,Ammonia Nitrog	gen, COD
WESTMORELAND	Flow L	3ACK	12/21/09	1030AM	WATER	10	P	Plastic - 1 Gallo	on I	1	Non	•	WATER, Gamma Emitte	rs Cesium Grass Alpha Beta
Special Requirements:									-	-	_			*
Possible Hezerd Identification:	Non-Hez	ard [Flammable	Skin Irritant	Poison B	Unknown	Semple Dispo	sa/: Relum to	o Client		Disposal by L	,eb _	Archive for Month	(A fee may apply if samples are retained longer than 3 months)
Turn Around Time Required:	Normal	×	Rush	Other	QC Level:	11	III Project	Specific Requirem	ents (Spe	city):			***************************************	
Cartin Car	ceis				Deterime:	7 2:00	OM Receiv	ed by:						Delo/Time:
Refriquished by:					Date/Time:		Receiv	ed by:			_			Date/Time:
Relinquished by:		_			Date/Time:		Receiv	ed by:	2	3	20			12/23/09 94K
Comments:								1	1					7777



COC ID: KOVITCHC19038-1194-2

TestAmerica Pittsburgh 301 Alpha Drive Pittsburgh, PA 15238 (412) 963-7058 (412) 963-2468 - fax

Project Information:	Form 26R			Quote #:	84855			Client: Atl	es		
Date: /2:22-09				Carrier/Waybill #:			_		Mountain View Dr.		
Project Manager:	John Collins							19	Smithfield		
ACREATION AND ADDRESS	Mark Same										
Phone:	724-317-2293							PA		15478	
SAMP	LE ID	DATE/TIME	MATRIX	ВС	TTLE TYP	E	#	PRESERVA	TIVE AN	ALYSIS	
GROOME CHOWLY	Interior Bive	12-22-09 10:00AM	WATER	1LP	F	Plastic -1 Liter	1	None	WATER, Addity, T-A	LK,Cond,TDS,TSS	
-	7 20002111111111	74.000	WATER	1LAG	Glas	s - 1 Liter Amber	2	Hydrochloric	Acid WATER, 1884A HEM,	, O&G	
			WATER	250P	P	lastic - 250mL	1	Nitric Aci	WATER, 2340C, T-He	udness	
			WATER	500P	Plast	ic - 500mL (16oz)	1	Sulfuric Ac	MATER, 351.2 TKN	TA Nashville	
	1	/	WATER	250AG	Glas	s - 250mL (8oz)	1	Sulfuric Ac	MATER, 420.4, Total	Phenolics	
/			WATER	1LP	P	Amher lastic -1 Liter	1	None	WATER, 425.1 MBAS	TA Nashville	
			WATER	1LP	P	lastic -1 Liter	1	None	WATER, 5210B, BOD)	
			WATER	500P	Plasti	c - 500mL (16oz)	1	Nitric Acid	WATER, 6010B Diss-	Metal (Fe Only)	
			WATER	500P	Plasti	c - 500mL (16oz)	1	Nitric Ack	WATER, 6010B T-Met	als+ HG (26R List)	
			WATER	1LP	P	lastic -1 Liter	1	Nitric Acid	WATER, 8010C Meta	is U,Th,Sr	
1			WATER	W	Gla	ss - 40mL Vial	2	Hydrochloric.	Acid WATER, 8015 Ethyler	ne Glycol TA Buffalo	
1		1	WATER	w	Gla	ss - 40mL Vial	3	Hydrochloric .	Acid WATER, 82608, VOA	(B&T only)	
			WATER	1LP	P	lastic -1 Liter	1	None	WATER, Br,CI,NO2, NO	03,504	
			WATER	500P	Plasti	c - 500mL (16oz)	1	Sulfuric Ac	id WATER Ammonia Nitr	ogen, COD	
Greene County PA	odvotion Beine	12.22.09 10:00 AM	WATER	1GP	Pla	stic - 1 Gallon	1	None	WATER. Gamma Emit	ters Cesium Grass Alpha Beta	
Special Requirements:					_					*	
Possible Hazard Identification:	Non-Hazard	Flammable Skin Irritant	Poison B	Unknown Sam	ple Disposal:	Return to Client		Disposal by Lab	Archive for Mor	(A fee may apply if samples are retained longer than 3 months)	
Furn Around Time Required:	Normal	Rush Other	QC Level:	1 1 11	Project Spe	edfic Requirements (S)	oedfy):				
Color Cal	eni		Date/Time:	9 300 AM	Received b	y:				Data/Time:	
Religiosted by:	-,		Date/Time:		Received b	y:				Date/Time:	
Refinquished by:			Date/Time:		Received b	, //	1	0	2	Detertine 23/09 98	
Comments:					-				X	1-1-1	

METHODS SUMMARY

C9L230421

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD	
pH (Electrometric)	SM20 4500-H+B	SM20 4500-H B	
Acidity (Titrimetric) 2310B (4a)	SM20 2310B (4a)		
Alkalinity, Total	SM18 2320 B	SM18 2320 B	
Biochemical Oxygen Demand 5210B	SM20 5210B	SM20 5210B	
Bromide	MCAWW 300.0A	MCAWW 300.0A	
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4	
Chloride	MCAWW 300.0A	MCAWW 300.0A	
Conductivity 2510B	SM20 2510B	SM20 2510B	
HARDNESS, TOTAL	SM20 2340C	SM20 2340C	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A	
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	EPA 1664A	
Nitrate as N	MCAWW 300.0A	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A	
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1	
Sulfate	MCAWW 300.0A	MCAWW 300.0A	
Total Dissolved Solids SM 2540C (SM 20)	SM20 2540C	SM20 2540C	
Total Phenolics 420.4	MCAWW 420.4		
Total Suspended Solids SM 2540 D	SM20 2540D	SM20 2540D	
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A	
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A	
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B	

References:

CFR136A	"Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
MCAWW	"Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
SM18	"Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.
SM20	"STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."
SW846	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9L230421

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP
LRJLW	001	WASHINGTON COUNTY FLOW BACK	12/22/09	10:00
LRJLO	002	WESTMORELAND PRODUCTION BRINE	12/21/09	10:00
LRJLI	003	FAYETTE COUNTY BRINE	12/22/09	10:00
LRJL2	004	WESTMORELAND FLOW BACK	12/21/09	10:30
LRJNQ	005	TRIP BLANK	12/21/09	
LRJPP	008	GREENE COUNTY PRODUCTION BRINE	12/22/09	10:00

NOTE (S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Client Sample ID: WASHINGTON COUNTY FLOW BACK

GC/MS Volatiles

Lot-Sample #...: C9L230421-001 Work Order #...: LRJLW1AC Matrix.....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09 MS Run #....: 9364191

Prep Date....: 12/30/09 Analysis Date..: 12/30/09 Prep Batch #...: 9364341 Analysis Time..: 12:51

Prep Batch #...: 9364341 Analysis Time..: 12:
Dilution Factor: 10

Dibromofluoromethane

Method.....: SW846 8260B

104

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	240	50	ug/L	9.9
Toluene	530	50	ug/L	8.5
SURROGATE	PERCENT	RECOVERY		
1,2-Dichloroethane-d4	107	(62 - 123)	Ti l	
Toluene-d8	92	(80 - 120)	11	
4-Bromofluorobenzene	101	(75 - 120)		

(80 - 120)

Client Sample ID: WESTMORELAND PRODUCTION BRINE

GC/MS Volatiles

Lot-Sample #:	C9L230421-002	Work Order #:	LRJL01AN	Matrix:	WATER
Date Sampled:	12/21/09	Date Received:	12/23/09	MS Run #:	9364191

Prep Date....: 12/30/09 Analysis Date..: 12/30/09 Prep Batch #...: 9364341 Analysis Time..: 13:39

Dilution Factor: 1

Method....: SW846 8260B

		REPORTIN	IG		
PARAMETER	RESULT	LIMIT	UNITS	MDL	
Benzene	ND	5.0	ug/L	0.99	
Toluene	ND	5.0	ug/L	0.85	

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
1,2-Dichloroethane-d4	118	(62 - 123)		
Toluene-d8	101	(80 - 120)		
4-Bromofluorobenzene	80	(75 - 120)		
Dibromofluoromethane	112	(80 - 120)		

Client Sample ID: FAYETTE COUNTY BRINE

GC/MS Volatiles

Lot-Sample #: C9L230421-00	3 Work Order #: LRJL11AN	Matrix: WATER
Date Sampled: 12/22/09	Date Received: 12/23/09	MS Run # 9364191

Prep Date....: 12/30/09 Analysis Date..: 12/30/09
Prep Batch #...: 9364341 Analysis Time..: 14:04

Dilution Factor: 1

Dibromofluoromethane

Method....: SW846 8260B

113

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	5.0	ug/L	0.99
Toluene	ND	5.0	ug/L	0.85
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	1.11	(62 - 123	1	
Toluene-d8	89	(80 - 120)) ·	
4-Bromofluorobenzene	98	(75 - 120)	

(80 - 120)

Client Sample ID: WESTMORELAND FLOW BACK

GC/MS Volatiles

Matrix....: WATER

Date Sampled: 12/21/09	Date Received:	12/23/09	MS	Run	#	9364191
Prep Date: 12/30/09	Analysis Date:	12/30/09				
Prep Batch #: 9364341	Analysis Time:	14:29				
Dilution Factor: 1						
	Method:	SW846 8260	B			
		REPORTING				
PARAMETER	RESULT	LIMIT	UNITS		MDL	
Benzene	1.1 J	5.0	ug/L		0.99	
Toluene	1.1 J	5.0	ug/L		0.85	

SURROGATE	RECOVERY	LIMITS
1,2-Dichloroethane-d4	107	(62 - 123)
Toluene-d8	92	(80 - 120)
4-Bromofluorobenzene	97	(75 - 120)
Dibromofluoromethane	108	(80 - 120)

Lot-Sample #...: C9L230421-004 Work Order #...: LRJL21AN

NOTE(S):

J Estimated result. Result is less than RL.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #: C9L230421-00	Work Order #: LRJNQ1AA	Matrix: WATER
Date Sampled: 12/21/09	Date Received: 12/23/09	MS Run # 9364191
Desar Data - 10/20/00	Be-1 Date - 10/20/00	

Prep Date....: 12/30/09 Analysis Date..: 12/30/09 Prep Batch #...: 9364341 Analysis Time..: 13:15

90

99

107

Dilution Factor: 1

Toluene-d8

4-Bromofluorobenzene

Dibromofluoromethane

Method....: SW846 8260B

(80 - 120)

(75 - 120)

(80 - 120)

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
Benzene	ND	5.0	ug/L	0.99
Toluene	ND	5.0	ug/L	0.85
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	105	(62 - 123)	

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

GC/MS Volatiles

Lot-Sample #:	C9L230421-008	Work Order #: LRJPPIAN	Matrix WATER
Date Sampled:	12/22/09	Date Received: 12/23/09	MS Run # 9364191
	10/00/00	- 1	

Prep Date....: 12/30/09 Analysis Date..: 12/30/09
Prep Batch #...: 9364341 Analysis Time..: 16:31

Dilution Factor: 1

Method....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL		
Benzene	ND	5.0	ug/L	0.99		
Toluene	ND	5.0	ug/L	0.85		
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS				
1,2-Dichloroethane-d4	105	(62 - 123)			
Toluene-d8	91	(80 - 120)			
4-Bromofluorobenzene	101	(75 - 120)			
Dibromofluoromethane	110	(80 - 120)			

GREENE COUNTY PRODUCTION BRINE

GC/MS Volatiles

Lot-Sample #: C9L230421-008 Work Order #: LRJPP1AN Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Carbon dioxide	124-38-9	290 NJ	M	1.4495	ug/L
Isopropyl Alcohol	67-63-0	45 NJ	M	3.9316	ug/L
1-Hexanol, 2-ethyl-	104-76-7	41 NJ	M	13.02	ug/L
2-Propynenitrile, 3-fluoro-	32038-83-8	0.18 NJ	M	14.31	ug/L
6-Nitro-8-methoxy-2H-chromene	100014-76-4	0.19 NJ	M	14.571	ug/L
3,3-Dimethyl-4-phenylamino-but	100014-32-6	0.17 NJ	M	14.936	ug/L
Butane, 2,2-dimethyl-	75-83-2	0.66 NJ	M	15.398	ug/L
1-Decanol	112-30-1	5.4 NJ	M	15.648	ug/L
6-Nitro-8-methoxy-2H-chromene	100014-76-4	0.35 NJ	M	15.976	ug/L
Aziridine, 2,2-dimethyl-	2658-24-4	0.20 NJ	M	16.238	ug/L
Butanoic acid, 2-ethylhexyl es	100014-00-1	0.48 NJ	M	16.329	ug/L

M: Result was measured against nearest internal standard assuming a response factor of 1.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C9L230421

Work Order # ...: LRQRN1AA

Matrix....: WATER

MB Lot-Sample #: C9L300000-341

Prep Date....: 12/30/09

Analysis Time..: 08:22

Analysis Date..: 12/30/09

9

Prep Batch # ...: 9364341

Dilution Factor: 1

REPORTING

		TITLE OUT TO	110	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	104	(62 - 1)	23)	
Toluene-d8	102	(80 - 1)	20)	
4-Bromofluorobenzene	103	(75 - 1	20)	
Dibromofluoromethane	100	(80 - 1:	20)	

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9L230421 Work Order #...: LRQRN1AC Matrix.....: WATER

LCS Lot-Sample#: C9L300000-341

Prep Date....: 12/30/09 Analysis Date..: 12/30/09
Prep Batch #...: 9364341 Analysis Time..: 09:17

Dilution Factor: 1

	PERCENT	RECOVERY	
PARAMETER	RECOVERY	LIMITS	METHOD
1,1-Dichloroethene	93	(69 - 127)	SW846 8260B
Trichloroethene	96	(80 - 120)	SW846 8260B
Chlorobenzene	100	(83 - 120)	SW846 8260B
Benzene	99	(80 - 120)	SW846 8260B
Toluene	100	(80 - 124)	SW846 8260B
		PERCENT	RECOVERY
SURROGATE		RECOVERY	LIMITS
1,2-Dichloroethane-d4		97	(62 - 123)
Toluene-d8		96	(80 - 120)
4-Bromofluorobenzene		97	(75 - 120)
Dibromofluoromethane		95	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: C9L230421 Work Order #...: LRHT41AN-MS Matrix..... WATER

MS Lot-Sample #: C9L220567-001 . LRHT41AP-MSD

Date Sampled...: 12/22/09 Date Received..: 12/22/09 MS Run #.....: 9364191

Prep Date....: 12/30/09 Analysis Date..: 12/30/09 Prep Batch #...: 9364341 Analysis Time..: 09:42

Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	94	(69 - 127)			SW846 8260B
	96	(69 - 127)	1.9	(0-20)	SW846 8260B
Trichloroethene	95	(80 - 120)			SW846 8260B
	96	(80 - 120)	1.1	(0-20)	SW846 8260B
Chlorobenzene	98	(83 - 120)			SW846 8260B
	103	(83 - 120)	5.1	(0-20)	SW846 8260B
Benzene	95	(80 - 120)			SW846 8260B
	98	(80 - 120)	2.5	(0-20)	SW846 8260B
Toluene	99	(80 - 124)			SW846 8260B
	102	(80 - 124)	2.7	(0-20)	SW846 8260B
		PERCENT		RECOVERY	
TURROGATE		RECOVERY		LIMITS	
_,2-Dichloroethane-d4		95		(62 - 12	3)
		94		(62 - 12.	3)
Toluene-d8		97		(80 - 12)	0)
		100		(80 - 12)	0)
4-Bromofluorobenzene		94		(75 - 12)	0)
		98		(75 - 12)	0)
Dibromofluoromethane		94		(80 - 12	0)
		96		(80 - 12)	

NOTE (S)

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Client Sample ID: WASHINGTON COUNTY FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-001 Matrix....: WATER

Date Sampled...:.12/22/09 Date Received..: 12/23/09

		REPORTIN	REPORTING			PREPARATION-	WORK
PARAMETER RESULT		LIMIT	UNITS	METHOD)	ANALYSIS DATE	ORDER #
Prep Batch #	: 0002054						
Silver	ND	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1A5
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.68				
Aluminum	180 B	200	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1A6
		Dilution Fac	tor; 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 9.7				
Arsenic	17.2	10.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1A7
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 2.7				
Barium	9430	200	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1A8
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.62				
eryllium	ND	4.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1A9
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.23				
Boron	7760	200	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CA
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 1.3				
Calcium	1790000	50000	ug/L	SW846	6010B	01/02-01/06/10	LRJLW1CO
		Dilution Fac	tor: 10	Analysis	Time: 17:53	MS Run #	: 0002030
		MDL	: 96.8				
Cadmium	0.19 в	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CI
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.13				
Cobalt	4.2 B	500	ug/L	SW846	6010B	01/02-01/06/10	LRJLW1CE
		Dilution Fac	tor: 10	Analysis	Time: 17:53	MS Run #	: 0002030
		MDL	: 4.0				

Client Sample ID: WASHINGTON COUNTY FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-001 Matrix.....: WATER

		REPORTIN	IG			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
Chromium	0.84 B	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CF
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.57				
Copper	6.5 B	25.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CG
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 2.7				
Iron	6470	100	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CH
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 11.9				
Lithium	12500	50.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CJ
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 2.8				
Magnesium	188000	5000	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CK
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 20.7				
Manganese	1310	15.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CL
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 0.68				
Molybdenum	14.1 B	40.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CM
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	: 1.4				
Sodium	6920000	250000	ug/L	SW846	6010B	01/02-01/06/10	LRJLW1CN
		Dilution Fac	tor: 50	Analysis	Time: 17:58	MS Run #	: 0002030
		MDL	: 10800				
Nickel	29.2 B	400	ug/L	SW846	6010B	01/02-01/06/10	LRJLW1CP
		Dilution Fac	tor: 10	Analysis	Time: 17:53	MS Run #	: 0002030
		MDL	: 15.6				
Selenium	ND	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRJLW1CQ
		Dilution Fac	tor: 1	Analysis	Time: 17:30	MS Run #	: 0002030
		MDT	. 3.0				

Client Sample ID: WASHINGTON COUNTY FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-001

Matrix..... WATER

PARAMETER	RESULT	REPORTIN	NG UNITS	METHO	D	PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	215000	2500	ug/L	SW846	6010B	01/02-01/06/10	LRJLW1CR
		Dilution Fac	tor: 50	Analysis	Time: 17:58	MS Run #	: 0002030
		MDL	: 4.6				
Zinc	32.1	20.0	ug/L	SW846	6010В	01/02-01/05/10	LRJLW1CT
		Dilution Factor: 1		Analysis	Time: 17:30	MS Run #	: 0002030
		MDL	2,5				
Prep Batch #	: 0006015						
Mercury	ND	0.20	ug/L	SW846	7470A	01/06/10	LRJLW1A0
		Dilution Factor: 1		Analysis	Time: 09:00	00 MS Run #: 0006000	
		MDL	: 0.038				
NOTE(S):		_					

B Estimated result. Result is less than RL.

Client Sample ID: WASHINGTON COUNTY FLOW BACK

DISSOLVED Metals

Lot-Sample #...: C9L230421-001 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

REPORTING PREPARATION- WORK

PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 0002053

Iron 6270 100 ug/L SW846 6010B 01/02-01/05/10 LRJLW1A1

Dilution Factor: 1 Analysis Time..: 19:08 MS Run #.....: 0002029

MDL..... 11.9

Client Sample ID: WESTMORELAND PRODUCTION BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-002 Matrix....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

RESULT	REPORTIN LIMIT	G UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
: 0002054						
ND	125	ug/L	SW846 6010B		01/02-01/06/10	LRJL01A
	Dilution Fac	tor: 25	Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 17.0				
1880 B	5000	ug/L	SW846 6010B		01/02-01/06/10	LRJL01A
	Dilution Fac	tor: 25	Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 242				
90.8 B	250	ug/L	SW846 6010B		01/02-01/06/10	LRJL01A
	Dilution Fac	tor: 25	Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 68.5				
1410000	10000	ug/L	SW846 6010B		01/02-01/06/10	LRJL01A
	Dilution Fac	tor: 50	Analysis Time:	17:03	MS Run #	: 0002030
	MDL	: 31.0				
ND	100	ug/L	SW846 6010B		01/02-01/06/10	LRJL01A
	Dilution Fac	tor: 25	Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 5.8				
94700	5000	ug/L	SW846 6010B		01/02-01/06/10	LRJL01C
	Dilution Fac	tor: 25	Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 32.8				
17600000	250000	ug/L	SW846 6010B		01/02-01/06/10	LRJL01C
	Dilution Fac	tor: 50	Analysis Time:	17:03	MS Run #	: 0002030
	MDL	: 484				
ND	125	ug/L	SW846 6010B		01/02-01/06/10	LRJL01C
			Analysis Time:	16:57	MS Run #	: 0002030
	MDL	: 3.2				
ND	2500	ug/L	SW846 6010B		01/02-01/06/10	LRJL01C
	Dilution Fac	tor: 50	Analysis Time:	17:03	MS Run #	.: 0002030
	MDL	: 20.0				
	: 0002054 ND 1880 B 90.8 B 1410000 ND 94700	RESULT LIMIT	: 0002054 ND 125 ug/L Dilution Factor: 25 MDL: 17.0 1880 B 5000 ug/L Dilution Factor: 25 MDL: 242 90.8 B 250 ug/L Dilution Factor: 25 MDL: 68.5 1410000 10000 ug/L Dilution Factor: 50 MDL: 31.0 ND 100 ug/L Dilution Factor: 25 MDL: 5.8 94700 5000 ug/L Dilution Factor: 25 MDL: 5.8 17600000 250000 ug/L Dilution Factor: 50 MDL: 32.8 17600000 125 ug/L Dilution Factor: 50 MDL: 484 ND 125 ug/L Dilution Factor: 25 MDL: 3.2	### ND	ND 100 125 125 126 127 127 12846 128	ND 125

Client Sample ID: WESTMORELAND PRODUCTION BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-002 Matrix..... WATER

		REPORTIN	IG			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOI)	ANALYSIS DATE	ORDER #
Chromium	16.0 B	125	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CF
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 14.2				
Copper	90.2 B	625	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CG
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 67.8				
Iron	119000	2500	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CH
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 298				
Lithium	104000	1250	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CJ
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 69,5				
Magnesium	1300000	125000	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CK
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 518				
Manganese	2040	375	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CL
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 17.0				
Molybdenum	ND	1000	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CM
		Dilution Fac	tor: 25	Analysis	Time: 16:57	MS Run #	: 0002030
		MDL	: 34.5				
Sodium	48400	5000	ug/L	SW846	6010B	01/02-01/07/10	LRJL01CN
		Dilution Fac	tor: 1	Analysis	Time: 13:22	MS Run #	: 0002030
		MDL	: 215				
Nickel	ND	2000	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CP
		Dilution Fac	tor: 50	Analysis	Time: 17:03	MS Run #	.: 0002030
		MDL	: 78.0				
Selenium	ND	125	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CQ
		Dilution Fac	ctor: 25	Analysis	Time: 16:57	MS Run #	.: 0002030
		MDL	76.0				

Client Sample ID: WESTMORELAND PRODUCTION BRINE

TOTAL Metals

Lot-Sample #: C9L230421-002	Matrix: WATER
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PARAMETER	RESULT	REPORTIN	NG UNITS	метног		PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	5800000	50000	ug/L	SW846	6010B	01/02-01/07/10	LRJL01CR
		Dilution Fac	tor: 1000	Analysis	Time: 13:22	MS Run #	.: 0002030
		MDL,	: 93.0				
Zinc	146 B	500	ug/L	SW846	6010B	01/02-01/06/10	LRJL01CT
		Dilution Fac	ctor: 25	Analysis	Time: 16:57	MS Run #	.: 0002030
		MDL,,,,,,	: 61.5				
Prep Batch	: 0006015						
Mercury	0.045 B,J	0.20	ug/L	SW846	7470A	01/06/10	LRJL01AA
		Dilution Fac	tor: 1	Analysis	Time: 09:02	MS Run ∦	.: 0006006
		MDL	: 0.038				

NOTE (S):

B Estimated result, Result Is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Client Sample ID: WESTMORELAND PRODUCTION BRINE

DISSOLVED Metals

Lot-Sample #...: C9L230421-002 Matrix....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

REPORTING PREPARATION- WORK

PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 0002053

Iron 110000 2500 ug/L SW846 6010B 01/02-01/06/10 LRJL01AC

Dilution Factor: 25 Analysis Time..: 19:23 MS Run #.....: 0002029

MDL..... 298

Client Sample ID: FAYETTE COUNTY BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-003 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

		REPORTI	REPORTING			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
Prep Batch #	: 0002054						
Silver	ND	50.0	ug/L	SW846 6	5010B	01/02-01/06/10	LRJL11AG
		Dilution Fac	ctor: 10	Analysis I	ime: 17:13	MS Run #	: 0002030
		MDL	: 6.8				
Aluminum	508 B	2000	ug/L	SW846 6	5010B	01/02-01/06/10	LRJL11AH
		Dilution Fa	ctor: 10	Analysis T	ime: 17:13	MS Run #	: 0002030
		MDL	: 96.8				
Arsenic	ND	100	ug/L	SW846 6	5010B	01/02-01/06/10	LRJL11AJ
		Dilution Fa	ctor: 10	Analysis T	'ime: 17:13	MS Run #	: 0002030
		MDL	: 27.4				
Barium	19000	2000	ug/L	SW846 6	5010В	01/02-01/06/10	LRJL11AK
		Dilution Fa	ctor: 10	Analysis T	ime: 17:13	MS Run #	: 0002030
		MDL	: 6.2				
eryllium	ND	40.0	ug/L	SW846 (5010B	01/02-01/06/10	LRJL11AL
		Dilution Fa	ctor: 10	Analysis T	ime: 17:13	MS Run #	.: 0002030
		MDL	: 2.3				
Boron	25500	2000	ug/L	SW846	5010B	01/02-01/06/10	LRJL11CA
		Dilution Fa	ctor: 10	Analysis T	cime: 17:13	MS Run #	.: 0002030
		MDL	: 13.1				
Calcium	3140000	50000	ug/L	SW846	5010B	01/02-01/06/10	LRJL11CC
		Dilution Fa	ctor: 10	Analysis T	Time: 17:13	MS Run #	.: 0002030
		MDL	: 96.8				
Cadmium	ND	50.0	ug/L	SW846	5010B	01/02-01/06/10	LRJL11CD
		Dilution Fa	A STATE OF THE STA	Analysis 1	Pime: 17:13	MS Run #	.: 0002030
		MDL	: 1.3				
Cobalt	8.8 B	500	ug/L	SW846	6010B	01/02-01/06/10	
		Dilution Fa	ctor: 10	Analysis 7	Pime: 17:13	MS Run #	.: 0002030
		MDL	: 4.0				

Client Sample ID: FAYETTE COUNTY BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-003 Matrix....: WATER

		REPORTIN	IG			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOI)	ANALYSIS DATE	ORDER #
Chromium	11.5 B	50.0	ug/L	SW846	6010B	01/02-01/06/10	
		Dilution Fac		Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 5.7				
Copper	ND	250	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CG
		Dilution Fac	etor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 27.1				
Iron	27400	1000	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CH
		Dilution Fac	tor: 10	Analysis	Time.,: 17:13	MS Run #	: 0002030
		MDL	: 119				
Lithium	21500	500	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CJ
		Dilution Fac	etor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 27.8				
Magnesium	295000	50000	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CK
		Dilution Fac	ctor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 207				
Manganese	722	150	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CI
		Dilution Fac	tor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 6.8				
Molybdenum	ND	400	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CM
		Dilution Fac	tor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 13.8				
Sodium	12000000	125000	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CN
		Dilution Fac	tor: 25	Analysis	Time: 17:18	MS Run #	: 0002030
		MDL	: 5380				
Nickel	ND	400	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CF
		Dilution Fac	tor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 15.6				
Selenium	ND	50.0	ug/L	SW846	6010B	01/02-01/06/10	LRJL11CQ
		Dilution Fac	etor: 10	Analysis	Time: 17:13	MS Run #	: 0002030
		MDL	: 30.4				

Client Sample ID: FAYETTE COUNTY BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-003

Matrix..... WATER

PARAMETER	RESULT	REPORTIN LIMIT	NG UNITS	METHO	0	PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	693000	5000 Dilution Fac	2000	20.2.2	6010B Time: 13:27	01/02-01/07/10 MS Run #	
Zinc	83.9 B	200 Dilution Fac			6010B Time: 17:13	01/02-01/06/10 MS Run #	
Prep Batch #	: 0006015						
Mercury	ND	0.20 Dilution Fac MDL			7470A Time: 09:03	01/06/10 MS Run #	LRJL11AA : 0006006
NOTE(S):							

B Estimated result. Result is less than RL.

Client Sample ID: FAYETTE COUNTY BRINE

DISSOLVED Metals

Lot-Sample #...: C9L230421-003 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

REPORTING PREPARATION- WORK

PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 0002053

Iron 28000 1000 ug/L SW846 6010B 01/02-01/06/10 LRJL11AC

Dilution Factor: 10 Analysis Time..: 19:28 MS Run #.....: 0002029

MDL....: 119

Client Sample ID: WESTMORELAND FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-004 Matrix.....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

		REPORTIN	REPORTING		PREPARATION- WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE ORDER #
Prep Batch #	: 0002054				
Silver	ND	50.0	ug/L	SW846 6010B	01/02-01/06/10 LRJL21AC
		Dilution Fac	ctor: 10	Analysis Time: 17:	
		MDL	: 6.8		
Aluminum	519 В	2000	ug/L	SW846 6010B	01/02-01/06/10 LRJL21AF
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 96.8		
Arsenic	ND	100	ug/L	SW846 6010B	01/02-01/06/10 LRJL21AJ
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 27.4		
Barium	107000	2000	ug/L	SW846 6010B	01/02-01/06/10 LRJL21AK
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 6.2		
eryllium	ND	40.0	ug/L	SW846 6010B	01/02-01/06/10 LRJL21AI
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 2.3		
Boron	12800	2000	ug/L	SW846 6010B	01/02-01/06/10 LRJL21CA
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run # 0002030
		MDL	: 13.1		
Calcium	2730000	50000	ug/L	SW846 6010B	01/02-01/06/10 LRJL21CO
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 96.8		
Cadmium	ND	50.0	ug/L	SW846 6010B	01/02-01/06/10 LRJL21CD
		Dilution Fac	ctor: 10	Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 1.3		
Cobalt	ND	500	ug/L	SW846 6010B	01/02-01/06/10 LRJL21CE
		Dilution Fac		Analysis Time: 17:	28 MS Run #: 0002030
		MDL	: 4.0		

Client Sample ID: WESTMORELAND FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-004 Matrix..... WATER

		REPORTIN	NG			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
Chromium	7.8 B	50.0	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CF
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	: 0002030
		MDL	5.7				
Copper	ND	250	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CG
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	: 0002030
		MDL	: 27.1				
Iron	43500	1000	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CH
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	: 0002030
		MDL	: 119				
Lithium	19800	500	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CJ
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	: 0002030
		MDL	: 27.8				
Magnesium	278000	50000	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CK
		Dilution Fac	A CONTRACTOR	Analysis	Time: 17:28	MS Run #	: 0002030
		MDL	: 207				
Manganese	2540	150	ug/L	SW846		01/02-01/06/10	
		Dilution Fac	The state of the s	Analysis	Time: 17:28	MS Run #	.: 0002030
		MDL	: 6.8				
Molybdenum	ND	400	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CM
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	.: 0002030
		MDL	: 13.8				
Sodium	12700000	250000	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CN
		Dilution Fac	ctor: 50	Analysis	Time: 17:34	MS Run #	.: 0002030
		MDL	; 10800				
Nickel	33.2 B	400	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CP
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	.: 0002030
		MDL	: 15.6				
Selenium	ND	50.0	ug/L	SW846	6010B	01/02-01/06/10	
		Dilution Fac	ctor: 10	Analysis	Time: 17:28	MS Run #	.: 0002030
		MDL	: 30.4				

Client Sample ID: WESTMORELAND FLOW BACK

TOTAL Metals

Lot-Sample #...: C9L230421-004

Matrix....: WATER

PARAMETER	RESULT	REPORTIN LIMIT	NG UNITS	METHO		PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	670000	5000 Dilution Fac	ug/L tor: 100		6010B Time: 17:48	01/02-01/06/10 MS Run #	
		MDL	: 9,3	7,000-02.3			
Zinc	65.7 B	200	ug/L	SW846	6010B	01/02-01/06/10	LRJL21CT
		Dilution Factor: 10		Analysis Time: 17:28		MS Run #: 0002030	
		MDL 24.6					
Prep Batch	: 0006015						
Mercury	ND	0.20	ug/L	SW846	7470A	01/06/10	LRJL21AA
		Dilution Factor: 1		Analysis Time: 09:13		MS Run #: 0006006	
		MDL 0.038					
NOTE (S):					_		

B Estimated result. Result is less than RL.

Client Sample ID: WESTMORELAND FLOW BACK

DISSOLVED Metals

Lot-Sample #...: C9L230421-004 Matrix....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

REPORTING PREPARATION- WORK

PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 0002053

Iron 43000 1000 ug/L SW846 6010B 01/02-01/06/10 LRJL21AC

Dilution Factor: 10 Analysis Time..: 19:34 MS Run #.....: 0002029

MDL..... 119

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-008 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

PARAMETER	RESULT	REPORTING LIMIT UNITS		METHOD		PREPARATION- ANALYSIS DATE	WORK
PARAMETER	KESOLI	HIMIT	UNITS	METHOD		ANALISIS DATE	ORDER #
Prep Batch #	: 0002054						
Silver	ND	50.0	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1AG
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	: 0002030
		MDL	: 6.8				
Aluminum	629 B	2000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1AH
		Dilution Factor: 10		Analysis Time: 18:08		MS Run #: 0002030	
		MDL 96.8					
Arsenic	27.4 B	100	ug/L	SW846	6010В	01/02-01/06/10	LRJPP1AJ
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	: 0002030
		MDL	: 27.4				
Barium	3700	2000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1AK
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL					
eryllium	ND	40.0	ug/L	SW846	6010B	01/02-01/06/10	
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL	: 2.3				
Boron	25700	2000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CA
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL	: 13.1				
Calcium	2440000	50000	ug/L	2022	6010B	01/02-01/06/10	
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL	: 96.8				
Cadmium	ND	50.0	ug/L	SW846	6010B	01/02-01/06/10	
		Dilution Fac		Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL	: 1.3				
Cobalt	8.8 B	500	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CE
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	.: 0002030
		MDL 4.0					

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-008 Matrix....: WATER

		REPORTING				PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD		ANALYSIS DATE	ORDER #
Chromium	24.7 B	50.0	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CF
		Dilution Facto	r: 10	Analysis 1	rime: 18:08	MS Run #	: 0002030
		MDL	.: 5.7				
Copper	ND	250	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CG
		Dilution Facto	r: 10	Analysis 1	Pime: 18:08	MS Run #	: 0002030
		MDL	.: 27.1				
Iron	21100	1000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CH
		Dilution Facto	r: 10	Analysis 7	rime: 18:08	MS Run #	: 0002030
		MDL	.: 119				
Lithium	15300	500	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CJ
		Dilution Facto	r: 10	Analysis 1	rime: 18:08	MS Run #	: 0002030
		MDL	.: 27.8				
Magnesium	250000	50000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CK
		Dilution Facto	r: 10	Analysis '	Time: 18:08	MS Run #	: 0002030
		MDL	.: 207				
Manganese	1080	150	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CL
		Dilution Facto	r: 10	Analysis !	Time: 18:08	MS Run #	: 0002030
		MDL	.: 6.8				
Molybdenum	15.0 B	400	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CM
		Dilution Facto	r: 10	Analysis '	Time: 18:08	MS Run #	: 0002030
		MDL	.: 13.8				
Sodium	11900000	250000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CN
		Dilution Facto	r: 50	Analysis '	Time: 18:13	MS Run #	: 0002030
		MDL	.: 10800				
Nickel	23.4 B	400	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CP
		Dilution Facto	r: 10	Analysis '	Time: 18:08	MS Run #	: 0002030
		MDL	.: 15.6				
Selenium	ND	50.0	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CQ
		Dilution Facto	r: 10	Analysis '	Time: 18:08	MS Run #	.: 0002030
		MDL	.: 30.4				

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

TOTAL Metals

Lot-Sample #...: C9L230421-008

Matrix....: WATER

PARAMETER	RESULT	REPORTIN LIMIT	NG UNITS	METHO	D	PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	587000	5000	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CR
		Dilution Fac	tor: 100	Analysis	Time: 18:18	MS Run #	: 0002030
		MDL,.,	+++: 9.3				
Zinc	61.8 B	200	ug/L	SW846	6010B	01/02-01/06/10	LRJPP1CT
		Dilution Fac	tor: 10	Analysis	Time: 18:08	MS Run #	: 0002030
		MDL	: 24.6				
Prep Batch #	: 0006015						
Mercury	ND	0.20	ug/L	SW846	7470A	01/06/10	LRJPP1AA
		Dilution Fac	tor: 1	Analysis	Time: 09:15	MS Run #	: 0006006
		MDL	: 0.038				
NOTE(S):							

B Estimated result. Result is less than RL.

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

DISSOLVED Metals

Lot-Sample #...: C9L230421-008 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

REPORTING PREPARATION- WORK
PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

FARAMETER RESULT DIMIT UNITS METHOD ANADISTS DATE ORDER #

Prep Batch #...: 0002053

Iron 99900 2500 ug/L SW846 6010B 01/02-01/06/10 LRJPP1AC

Dilution Factor: 25 Analysis Time..: 19:48 MS Run #.....: 0002029

MDL..... 298

TOTAL Metals

Client Lot #...: C9L230421 Matrix.....: WATER

a consular		REPORTI				PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	LIMIT UNITS METHOD		D	ANALYSIS DATE	ORDER #
MB Lot-Samol	e #: COA02000	0-054 Prep 1	Batch #:	0002054			
Aluminum	ND	200	ug/L		6010B	01/02-01/05/10	LRR901AC
		Dilution Fac				N. C.	Section Section 1
		Analysis Tir	me: 16:17				
Arsenic	ND	10.0	ug/L	SW846	6010B	01/02-01/05/10	T.RR901 AT
	1,0	Dilution Fac		Directo	GOTOD	01/02 01/03/10	Dittoorn
		Analysis Tir	me: 16:17				
Barium	ND	200	ug/L	SW846	6010B	01/02-01/05/10	T.RR901AF
Darram	210	Dilution Fac		511035	00100	01/02 01/03/10	DIMOUTAL
		Analysis Tir					
Beryllium	ND	4.0	ug/L	SW846	6010B	01/02-01/05/10	T.RR901 A
DOLJALIA.	214	Dilution Fac		511045	00202	01/02 01/00/10	DIMOLIN
		Analysis Tir	me: 16:17				
Boron	ND	200	ug/L	SW846	6010B	01/02-01/05/10	LRR901AC
e i e di ci		Dilution Fa		- Frechland	67.015.30		
		Analysis Ti	me: 16:17				
Cadmium	ND	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRR901A
		Dilution Fac	ctor: 1			100000000000000000000000000000000000000	
		Analysis Tir	me: 16:17				
Calcium	ND	5000	ug/L	SW846	6010B	01/02-01/05/10	LRR901AF
		Dilution Fac	ctor: 1				
		Analysis Tir	me: 16:17				
Chromium	ND	5.0	ug/L	SW846	6010B	01/02-01/05/10	LRR901AI
		Dilution Fac					
		Analysis Ti	me: 16:17				
Cobalt	ND	50.0	ug/L	SW846	6010B	01/02-01/05/10	LRR901AI
		Dilution Fa	ctor: 1				
		Analysis Ti	me: 16:17				
Copper	ND	25.0	ug/L	SW846	6010B	01/02-01/05/10	LRR901AN
		Dilution Fa					
		Analysis Ti	me: 16:17				
Iron	ND	100	ug/L	SW846	6010B	01/02-01/05/10	LRR901A
		Dilution Fac					
		Analysis Tir	me: 16:17				

TOTAL Metals

Client Lot #...: C9L230421

Matrix..... WATER

		REPORTI	NG		PREPARATION-	WORK ORDER #
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	
Lithium	ND	50.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AP
		Dilution Fac	ctor: 1			
		Analysis Tir	ne: 16:17			
Magnesium	ND	5000	ug/L	SW846 6010B	01/02-01/05/10	LRR901AQ
		Dilution Fac				
		Analysis Tir	ne.,: 16:17			
Manganese	ND	15.0	ug/I	SW846 6010B	01/02-01/05/10	LRR901AR
		Dilution Fac	ctor: 1			
		Analysis Tir	ne: 16:17			
Molybdenum	ND	40.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AT
		Dilution Fac	ctor: 1			
		Analysis Tir	me: 16:17			
Nickel	ND	40.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AV
		Dilution Fac	ctor: 1			
		Analysis Tir	me: 16:17			
elenium	ND	5.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AW
		Dilution Fac	ctor: 1			
		Analysis Ti	ne: 16:17			
Silver	ND	5.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AA
		Dilution Fac	ctor: 1			
		Analysis Ti	me: 16:17			
Sodium	ND	5000	ug/L	SW846 6010B	01/02-01/05/10	LRR901AU
		Dilution Fac	ctor: 1			
		Analysis Ti	me: 16:17			
Strontium	ND	50.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901AX
		Dilution Fa	ctor: 1			
		Analysis Ti	me: 16:17			
Zinc	ND	20.0	ug/L	SW846 6010B	01/02-01/05/10	LRR901A0
		Dilution Fa	ctor: 1			
		Analysis Tir	me: 16:17			

MB Lot-Sample #: COA060000-015 Prep Batch #...: 0006015

Mercury 0.039 B 0.20 ug/L SW846 7470A 01/06/10 LRV0E1AA

Dilution Factor: 1 Analysis Time..: 08:57

TOTAL Metals

Client Lot #...: C9L230421

Matrix..... WATER

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

DISSOLVED Metals

Client Lot #...: C9L230421

NOTE(S):

Matrix....: WATER

REPORTING PREPARATION- WORK
PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

MB Lot-Sample #: C0A020000-053 Prep Batch #...: 0002053

Iron ND 100 ug/L SW846 6010B 01/02-01/05/10 LRR9W1AA

Dilution Factor: 1 Analysis Time..: 18:10

Analysis Time..: 18:1

TOTAL Metals

Client Lot #:	C9L230421				Matrix	: WATE
PARAMETER		RECOVERY LIMITS			PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: Silver	98		SW846	6010B	01/02-01/05/10	LRR901A1
Aluminum	101				01/02-01/05/10 Time: 16:22	LRR901A2
Arsenic	99				01/02-01/05/10 Time: 16:22	LRR901A3
Barium	99				01/02-01/05/10 Time: 16:22	LRR901A4
Beryllium	99				01/02-01/05/10 Time: 16:22	
Poron	103				01/02-01/05/10 Time: 16:22	LRR901A6
Calcium	101				01/02-01/05/10 Time: 16:22	LRR901A7
Cadmium	94				01/02-01/05/10 Time: 16:22	LRR901A8
Cobalt	98				01/02-01/05/10 Time: 16:22	LRR901A9
Chromium	96				01/02-01/05/10 Time: 16:22	LRR901CA
Copper	100				01/02-01/05/10 Time: 16:22	LRR901CC
Iron	104				01/02-01/05/10 Time: 16:22	LRR901CD
Lithium	103				01/02-01/05/10 Time: 16:22	LRR901CE
Magnesium	100				01/02-01/05/10 Time: 16:22	LRR901CF

TOTAL Metals

Client Lot #:	C9L230421			Matrix	: WATER
PARAMETER		RECOVERY LIMITS METHO	OD.	PREPARATION- ANALYSIS DATE	
Manganese	98	(80 - 120) SW84	6 6010B	01/02-01/05/10	LRR901CG
		Dilution Factor: 1	Analysis	Time: 16:22	
Molybdenum	101	(80 - 120) SW84	6010B	01/02-01/05/10	LRR901CH
		Dilution Factor: 1	Analysis	Time: 16:22	
Sodium	101	(80 - 120) SW84	6010B	01/02-01/05/10	LRR901CJ
		Dilution Factor: 1	Analysis	Time: 16:22	
Nickel	99	(80 - 120) SW84	6 6010B	01/02-01/05/10	LRR901CK
		Dilution Factor: 1	Analysis	Time: 16:22	
Selenium	100	(80 - 120) SW84	6 6010B	01/02-01/05/10	LRR901CL
		Dilution Factor: 1	Analysis	Time: 16:22	
Strontium	100	(80 - 120) SW84	6 6010B	01/02-01/05/10	LRR901CM
		Dilution Factor: 1	Analysis	Time.,: 16:22	
inc	100	(80 - 120) SW84	6 6010B	01/02-01/05/10	LRR901CN
		Dilution Factor: 1			
		015 Prep Batch #			
Mercury	98	(80 - 120) SW84	6 7470A	01/06/10	LRV0E1AC
		Dilution Factor: 1	Analysis	Time: 08:58	

NOTE(S):

DISSOLVED Metals

Client Lot #...: C9L230421 Matrix..... WATER

PERCENT RECOVERY PREPARATION-

PARAMETER RECOVERY LIMITS METHOD ANALYSIS DATE WORK ORDER #

LCS Lot-Sample#: COA020000-053 Prep Batch #...: 0002053

Iron 102 (80 - 120) SW846 6010B 01/02-01/05/10 LRR9W1AD

Dilution Factor: 1 Analysis Time..: 18:15

NOTE(S):

TOTAL Metals

Client Lot #...: C9L230421 Matrix..... WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

PERCENT RECOVERY RPD PREPARATION- WORK
PARAMETER RECOVERY LIMITS RPD LIMITS METHOD ANALYSIS DATE ORDER #

MS Lot-Sample #: C9L230421-003 Prep Batch #...: 0006015

Mercury 15 N (75 - 125) SW846 7470A 01/06/10 LRJL11CV

12 N,* (75 - 125) 25 (0-20) SW846 7470A 01/06/10 LRJL11CW

Dilution Factor: 1 Analysis Time..: 09:09 MS Run #.....: 0006006

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

TOTAL Metals

Client Lot #...: C9L230421 Matrix.....: WATER

Date Sampled...: 12/28/09 Date Received..: 12/29/09

PARAMETER	PERCENT RECOVERY	RECOVERY RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sampl Aluminum	e #: C9L29 104 104	0507-001 Prep Batch #. (75 - 125) (75 - 125) 0.21 (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run #: 0002	SW846 6010B SW846 6010B	01/02-01/05/10 01/02-01/05/10	
Arsenic	111 113	(75 - 125) (75 - 125) 1.2 (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run #: 0002	36	01/02-01/05/10 01/02-01/05/10	the American services and
Barium	99 102	(75 - 125) (75 - 125) 1.3 (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run # 0002	96	01/02-01/05/10 01/02-01/05/10	
Beryllium	93 93	(75 - 125) (75 - 125) 0.10 (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run #: 0002	36	01/02-01/05/10 01/02-01/05/10	
Boron	NC NC	(75 - 125) (75 - 125) (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run #: 0002	36	01/02-01/05/10 01/02-01/05/10	
Cadmium	87 88	(75 - 125) (75 - 125) 0.84 (0-20) Dilution Factor: 1 Analysis Time: 16:3 MS Run #: 0002	36	01/02-01/05/10 01/02-01/05/10	
Calcium	NC NC	(75 - 125) (75 - 125) (0-20) Dilution Factor: 10 Analysis Time: 16:2 MS Run #: 0002	28	01/02-01/06/10 01/02-01/06/10	

TOTAL Metals

Client Lot #...: C9L230421 Matrix.....: WATER

Date Sampled...: 12/28/09 Date Received..: 12/29/09

PARAMETER	PERCENT	RECOVERY LIMITS RPD	RPD LIMITS	METHOI)	PREPARATION- ANALYSIS DATE	WORK ORDER #
Chromium	90	(75 - 125)	2211210	SW846		01/02-01/05/10	
	90	(75 - 125) 0.42 Dilution Fact Analysis Time	cor: 1 e: 16:36		6010B	01/02-01/05/10	
		MS Run #	: 00020	30			
Cobalt	89	(75 - 125)		SW846	6010B	01/02-01/06/10	LRPFH1DE
	90	(75 - 125) 1.8 Dilution Fact Analysis Time MS Run #	(0-20) for: 10	SW846		01/02-01/06/10	LRPFH1DF
Copper	103	(75 - 125)		SW846	6010B	01/02-01/05/10	LRPFH1DJ
СОРРЕГ	103	(75 - 125) 0.24 Dilution Fact Analysis Time MS Run #	tor: 1	SW846		01/02-01/05/10	
Tron	NC	(75 - 125)		SW846	6010B	01/02-01/05/10	LRPFH1DL
	NC		e: 16:36	SW846	6010B	01/02-01/05/10	
Lithium	NC	(75 - 125)		SW846	6010B	01/02-01/05/10	LRPFH1DN
	NC	(75 - 125) Dilution Factorial Analysis Time MS Run #	tor: 1 2: 16:36	SW846		01/02-01/05/10	
Magnesium	93	(75 - 125)		SW846	6010B	01/02-01/05/10	LRPFH1DQ
•	101	(75 - 125) 2.7 Dilution Factorial Analysis Time MS Run #	tor: 1 e: 16:36		6010B	01/02-01/05/10	
Manganese	92	(75 - 125)		SW846	6010B	01/02-01/05/10	LRPFH1DT
	94	(75 - 125) 1.4 Dilution Factorial Analysis Time MS Run #	tor: 1 e: 16:36	SW846	6010B	01/02-01/05/10	

MS Run #....: 0002030

TOTAL Metals

Client Lot #...: C9L230421 Matrix.....: WATER

Date Sampled...: 12/28/09 Date Received..: 12/29/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS RPD	RPD LIMITS	METHOL)	PREPARATION- ANALYSIS DATE	WORK ORDER #
Molybdenum	96 97	(75 - 125) (75 - 125) 0.8 Dilution Fac Analysis Tir MS Run #	ctor: 1 me: 16:36		The second secon	01/02-01/05/10 01/02-01/05/10	
Nickel	88 91	(75 - 125) (75 - 125) 2.6 Dilution Fa Analysis Times	(0-20) ctor: 10 ne.,: 16:28	SW846	6010B 6010B	01/02-01/06/10 01/02-01/06/10	
Selenium	110 111	(75 - 125) (75 - 125) 1.0 Dilution Fa Analysis Times MS Run #	(0-20) ctor: 1 me: 16:36			01/02-01/05/10 01/02-01/05/10	
Silver	111 112	(75 - 125) (75 - 125) 1.0 Dilution Fa Analysis Times MS Run #	(0-20) ctor: 1 me: 16:36	SW846	6010B 6010B	01/02-01/05/10 01/02-01/05/10	
Sodium	NC NC	(75 - 125) (75 - 125) Dilution Fa Analysis Ti MS Run #	(0-20) ctor: 10 me: 16:28			01/02-01/06/10 01/02-01/06/10	
Strontium	NC NC	(75 - 125) (75 - 125) Dilution Fa Analysis Ti	ctor: 25 me: 16:33	1.		01/02-01/06/10 01/02-01/06/10	
Zinc	93 95	(75 - 125) (75 - 125) 1.7 Dilution Fa Analysis Ti MS Run #	(0-20) ctor: 1 me: 16:36	5		01/02-01/05/10 01/02-01/05/10	

NOTE(S):

C The recovery and/or RPD were not calculated.

DISSOLVED Metals

Client Lot #...: C9L230421 Matrix.....: WATER

Date Sampled...: 12/18/09 Date Received..: 12/19/09

PERCENT RECOVERY RPD PREPARATION- WORK
PARAMETER RECOVERY LIMITS RPD LIMITS METHOD ANALYSIS DATE ORDER #

MS Lot-Sample #: C9L200410-001 Prep Batch #...: 0002053

Iron 105 (75 - 125) SW846 6010B 01/02-01/05/10 LREQ51AH

97 (75 - 125) 2.3 (0-20) SW846 6010B 01/02-01/05/10 LREQ51AJ

Dilution Factor: 1
Analysis Time..: 18:29
MS Run #.....: 0002029

NOTE (S):

Client Sample ID: WASHINGTON COUNTY FLOW BACK

General Chemistry

Lot-Sample #...: C9L230421-001 Work Order #...: LRJLW Matrix.....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
рН	6.9			' SM20 4500-H+B	01/04/10	0004194
r		Dilution Fac	ctor: 1	Analysis Time: 13:47	MS Run #	
		MDL	: 0.0	V.		
Acidity	ND	5.0	mg/L	SM20 2310B (4a)	12/31/09	9365043
		Dilution Fac	ctor: 1	Analysis Time: 09:48	MS Run #	: 9365018
		MDL	: 5.0			
Ammonia Nitrogen	37.7	1.0	mg/L	MCAWW 350.1	12/26-12/28/09	9362110
		Dilution Fac		Analysis Time: 13:42	MS Run #	: 9362056
		MDL	.,.,: 0.094			
Biochemical Oxygen Demand (BOD)	>399	2.0	mg/L	SM20 5210B	12/23-12/28/09	9357224
		Dilution Fac	ctor: 1	Analysis Time: 00:00	MS Run #	: 9357149
		MDL	0.79			
romide	210	2.0	mg/L	MCAWW 300.0A	12/23/09	9357368
		Dilution Fac	ctor: 10	Analysis Time: 00:00	MS Run #	. 1
		MDL	: 0.14			
Chemical Oxygen Demand (COD)	1520	100	mg/L	MCAWW 410.4	01/05/10	0005053
		Dilution Fac		Analysis Time: 14:10	MS Run #	
		MDL	: 52.0			
Chloride	15300	250	mg/L	MCAWW 300.0A	12/23/09	9357366
		Dilution Fa	ctor: 250	Analysis Time: 00:00	MS Run #	.:
		MDL	: 13.2			
Hardness, as CaCO3	5600	250	mg/L	SM20 2340C	01/07/10	0007116
		Dilution Fa	ctor: 50	Analysis Time: 08:25	MS Run #	.: 0007073
		MDL	: 76.9			
Nitrate as N	ND G	0.50	mg/L	MCAWW 300,0A	12/23/09	9357364
		Dilution Fa		Analysis Time: 21:11	MS Run #	.1
		MDL	: 0.077			
Nitrite as N	ND G	0.50	mg/L	MCAWW 300.0A	12/23/09	9357365
		Dilution Fa		Analysis Time: 21:11	MS Run #	.1

Client Sample ID: WASHINGTON COUNTY FLOW BACK

General Chemistry

Lot-Sample #...: C9L230421-001 Work Order #...: LRJLW Matrix.....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Oil & Grease (HEM)	190	4.6 Dilution Factorial		CFR136A 1664A HEM Analysis Time: 16:30	12/29/09 MS Run #	9363255 .:
Specific Conductance	59800	1.0 Dilution Fac		SM20 2510B Analysis Time: 15:04	Contract of the Contract of th	0005157 .: 0005078
Sulfate	116 J	10.0 Dilution Fac		MCAWW 300.0A Analysis Time: 00:00	12/23/09 MS Run #	9357367 . :
Total Alkalinity	157 Ј	5.0 Dilution Fac	tor: 1	SM18 2320 B Analysis Time: 00:00		
otal Dissolved Solids	26100	200	mg/L	SM20 2540C Analysis Time: 10:26	12/24-12/28/09	
		MDL		Analysis fine 10.20	elo Kun #	9550052
Total Recoverable Phenolics	0.054	J 0.010	mg/L	MCAWW 420.4	12/29-12/30/09	9363316
		Dilution Fac		Analysis Time: 11:25	MS Run #	.: 9363169
Total Suspended Solids	276	20.0	mg/L	SM20 2540D	12/24/09	9358061
		Dilution Fac		Analysis Time: 14:15	MS Run #	.: 9358034

NOTE(S):

RL. Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Client Sample ID: WESTMORELAND PRODUCTION BRINE

General Chemistry

Lot-Sample #...: C9L230421-002 Work Order #...: LRJL0 Matrix.....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

PARAMETER	RESULT	ŔĹ	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
рН	5.7			SM20 4500-H+B	01/04/10	0004194
		Dilution Fac	tor: 1	Analysis Time: 13:52	MS Run #	.: 0004120
		MDL,	: 0.0			
Acidity	540	5.0	mg/L	SM20 2310B (4a)	12/31/09	9365043
		Dilution Fac	tor: 1	Analysis Time: 09:48	MS Run #	.: 9365018
		MDL	: 5.0			
Ammonia Nitrogen	372	20.0	mg/L	MCAWW 350.1	12/26-12/28/09	9362110
		Dilution Factor: 200		Analysis Time: 13:44	MS Run #	.: 9362056
		MDL	: 1.9			
Biochemical Oxygen Demand (BOD)	40.3	2.0	mg/L	SM20 5210B	12/23-12/28/09	9357224
		Dilution Fac	tor; 1	Analysis Time: 00:00	MS Run #	.: 9357149
		MDL	: 0.79			
romide	1590	10.0	mg/L	MCAWW 300.0A	12/23/09	9357368
		Dilution Fac	tor: 50	Analysis Time: 00:00	MS Run #	
		MDL	: 0.72			
Chemical Oxygen Demand (COD)	12300	250	mg/L	MCAWW 410.4	01/05/10	0005053
		Dilution Fac	tor: 25	Analysis Time: 14:10	MS Run #	.1
		MDL	: 130			
Chloride	157000		mg/L	MCAWW 300.0A	12/23/09	9357366
		Dilution Fac	tor: 2500	Analysis Time: 00:00	MS Run #	
		MDL	: 132			
Hardness, as CaCO3	66000	2500	mg/L	SM20 2340C	01/07/10	0007116
		Dilution Fac	tor: 500	Analysis Time: 08:25	MS Run #	.: 0007073
		MDL	: 769			
Nitrate as N	ND G	2.5	mg/L	MCAWW 300.0A	12/23/09	9357364
		Dilution Fac	ctor: 50	Analysis Time: 21:53	MS Run #	.1
		MDL	: 0.38			
Nitrite as N	ND G	2.5	mg/L	MCAWW 300.0A	12/23/09	9357365
		Dilution Fac	tor: 50	Analysis Time: 21:53	MS Run #	.:
		MDL	: 0.16			

Client Sample ID: WESTMORELAND PRODUCTION BRINE

General Chemistry

Lot-Sample #...: C9L230421-002 Work Order #...: LRJLO Matrix..... WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Oil & Grease (HEM)	17.6	Dilution Fac		CFR136A 1664A HEM Analysis Time: 16:30		9363255
Specific Conductance	614000	500 Dilution Fac	umhos/cm tor: 500	SM20 2510B Analysis Time: 00:00	777	
Sulfate	41.9 B	J 50.0 Dilution Fac	mg/L tor: 50	MCAWW 300.0A Analysis Time: 00:00		9357367 . :
Total Alkalinity	52.3 J	5.0 Dilution Fac	tor: 1	SM18 2320 B Analysis Time: 00:00	12/28-12/29/09 MS Run #	
otal Dissolved Solids	277000		mg/L	SM20 2540C	12/24-12/28/09	
		Dilution Fac		Analysis Time: 10:26	MS Run #	.: 9358032
Total Recoverable Phenolics	0.38 J	0.010	mg/L	MCAWW 420.4	12/29-12/30/09	9363316
		Dilution Fac		Analysis Time: 11:25	MS Run #	.: 9363169
Total Suspended Solids	74.8	4.0	mg/L	SM20 2540D	12/24/09	9358061
		Dilution Fac		Analysis Time: 14:15	MS Run #	.: 9358034

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Client Sample ID: FAYETTE COUNTY BRINE

General Chemistry

Lot-Sample #...: C9L230421-003 Work Order #...: LRJL1 Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
рН	6.6	Dilution Fac		SM20 4500-R+B Analysis Time: 13:55	01/04/10 MS Run #	0004194
Acidity	ND	5.0 Dilution Fac	mg/L	SM20 2310B (4a) Analysis Time: 09:48	12/31/09 MS Run #	
Ammonia Nitrogen	84.7		mg/L	MCAWW 350.1 Analysis Time: 13:46	12/26-12/28/09 MS Run #	
Biochemical Oxygen Demand (BOD)	283	2.0	mg/L	SM20 5210B	12/23-12/28/09	9357224
•		Dilution Fac	The second second	Analysis Time: 00:00	MS Run #	.: 9357149
Bromide	359	2.0 Dilution Fac		MCAWW 300.0A Analysis Time: 00:00	12/23/09 MS Run #	2.4.24.34.34.34
Chemical Oxygen Demand (COD)	2600	100 Dilution Fac		MCAWW 410.4 Analysis Time: 14:10	01/05/10 MS Run #	0005053
Chloride	31300	500 Dilution Fac	mg/L ctor: 500	MCAWW 300.0A Analysis Time: 00:00	12/23/09 MS Run #	9357366 .:
Hardness, as CaCO3	10600	250	mg/L	SM20 2340C	01/07/10	0007116
		Dilution Fac		Analysis Time: 08:25	MS Run #	.: 0007073
Nitrate as N	ND G	0.50 Dilution Fac		MCAWW 300.0A Analysis Time: 22:56		9357364
Nitrite as N	ND G	0.50 Dilution Fac	ctor: 10	MCAWW 300.0A Analysis Time: 22:56	12/23/09 MS Run #	9357365

Client Sample ID: FAYETTE COUNTY BRINE

General Chemistry

Lot-Sample #...: C9L230421-003 Work Order #...: LRJL1 Matrix....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Oil & Grease (HEM)	7.9	4.6	mg/L	CFR136A 1664A HEM	12/29/09	9363255
		Dilution Fac	tor: 0.93	Analysis Time: 16:30	MS Run #	
		MDL	: 1.5			
Specific Conductance	125000	100	umhos/cm	SM20 2510B	01/05/10	0005157
		Dilution Fac	tor: 100	Analysis Time: 15:11	MS Run #	.: 0005078
		MDL	1			
Sulfate	105 J	10.0	mg/L	MCAWW 300.0A	12/23/09	9357367
		Dilution Fac	tor: 10	Analysis Time: 00:00	MS Run #	
		MDL	: 0.31			
Total Alkalinity	115 J	5.0	mg/L	SM18 2320 B	12/28-12/29/09	9362359
		Dilution Fac	tor: 1	Analysis Time: 00:00	MS Run #	.: 9362187
		MDL	: 0.41			
otal Dissolved Solids	54800	200	mg/L	SM20 2540C	12/24-12/28/09	9358059
		Dilution Fac	tor: 20	Analysis Time: 10:26	MS Run #	.: 9358032
		MDL	: 200			
Total Recoverable Phenolics	0.013	J 0.010	mg/L	MCAWW 420.4	12/29-12/30/09	9363316
		Dilution Fac	tor: 1	Analysis Time: 11:25	MS Run #	.: 9363169
		MDL,,	: 0.0014			
Total Suspended Solids	9.6	4.0	mg/L	SM20 2540D	12/24/09	9358061
		Dilution Fac	tor: 1	Analysis Time: 14:15	MS Run #	.: 9358034
		MDL	: 2.0			

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Client Sample ID: WESTMORELAND FLOW BACK

General Chemistry

Lot-Sample #...: C9L230421-004 Work Order #...: LRJL2 Matrix.....: WATER

Date Sampled...: 12/21/09 Date Received..: 12/23/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
рН	6.5	 Dilution Fac	 etor: 1	SM20 4500-H+B Analysis Time: 13:58	01/04/10 MS Run #	0004194
		MDL	Carried Co.	100-100-100-100-100-100-100-100-100-100	3.5. 3.4.1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Acidity	108	5.0 Dilution Fac	mg/L	SM20 2310B (4a) Analysis Time: 09:48	12/31/09 MS Run #	
		MDL		Analysis ilme 05.40	MS Kun #	. 9363016
Ammonia Nitrogen	52.4	1.0		MCAWW 350.1	12/26-12/28/09	9362110
		MDL		Analysis Time: 13:47	MS Run #	: 9362056
Biochemical Oxygen Demand (BOD)	821	2.0	mg/L	SM20 5210B	12/23-12/28/09	9357224
Demand (BOD)		Dilution Fac	7.700	Analysis Time: 00:00	MS Run #,	: 9357149
3romide	261		mg/L		12/23/09	
		MDL		Analysis Time; 00:00	MS Run #	.1.
Chemical Oxygen Demand (COD)	2740	100	mg/L	MCAWW 410.4	01/05/10	0005053
		Dilution Fac		Analysis Time: 14:10	MS Run #	. É
Chloride	27700	500	mg/L	MCAWW 300.0A	요요요 이 레이지 아니는 얼마나 된 나이라고 없다.	9357366
		MDL		Analysis Time: 00:00	MS Run #	
Hardness, as CaCO3	8900	250	mg/L	SM20 2340C	01/07/10	0007116
4-7-1-7-1		Dilution Fac		Analysis Time: 08:25	MS Run #	.: 0007073
Nitrate as N	ND G	L - 3 / 19 " 5 / 19	mg/L	MCAWW 300.0A	12/23/09	9357364
		MDL		Analysis Time: 23:39	MS Run ∦	
Nitrite as N	ND G	0.50	mg/L	MCAWW 300.0A Analysis Time: 23:39	12/23/09 MS Run #	9357365
		MDL			No Rull William	

Client Sample ID: WESTMORELAND FLOW BACK

General Chemistry

Lot-Sample #...: C9L230421-004 Work Order #...: LRJL2 Matrix....: WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Oil & Grease (HEM)	5.8	4.8 Dilution Factor	Frankrich Africa	CFR136A 1664A HEM Analysis Time: 16:30	12/29/09 MS Run #	9363255 . :
Specific Conductance	116000	100 Dilution Fac	and the second second	SM20 2510B Analysis Time: 15:13	of contract of contract	and the second
Sulfate	69.3 J	10.0 Dilution Fact	tor: 10	MCAWW 300.0A Analysis Time: 00:00	C. C	9357367 . ;
Total Alkalinity	174 J	5.0 Dilution Fac	tor: 1	SM18 2320 B Analysis Time: 00:00	12/28-12/29/09 MS Run #	
otal Dissolved Solids	41700	200	mg/L	SM20 2540C Analysis Time: 10:26	12/24-12/28/09	
Total Recoverable	0.012	MDL		MCAWW 420.4	12/29-12/30/09	
Phenolics		Dilution Fac	tor: 1	Analysis Time: 11:25	MS Run ∦	
Total Suspended Solids	30.8	4.0	mg/L	SM20 2540D	12/24/09	9358061
		MDL		Analysis Time: 14:15	MS Run #	.: 9358034

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

General Chemistry

Lot-Sample #...: C9L230421-008 Work Order #...: LRJPP Matrix....: WATER

Date Sampled...: 12/22/09 Date Received..: 12/23/09

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pЯ	5.6	-	-	SM20 4500-H+B	01/04/10	0004194
P	0.0	Dilution Fac	tor: 1	Analysis Time: 14:00	MS Run #	
		MDL				., .,,,,,,,
Acidity	ND	5.0	mg/L	SM20 2310B (4a)	12/31/09	9365043
		Dilution Fac	etor: 1	Analysis Time: 09:48	MS Run #	.: 9365018
		MDL	: 5.0			
Ammonia Nitrogen	72.3	5.0	mg/L	MCAWW 350.1	12/26-12/28/09	9362110
		Dilution Fac	tor: 50	Analysis Time: 14:02	MS Run #	.: 9362056
		MDL	: 0.47			
Biochemical Oxygen Demand (BOD)	4.9	2.0	mg/L	SM20 5210B	12/23-12/28/09	9357224
		Dilution Fac	tor: 1	Analysis Time: 00:00	MS Run #	.: 9357149
		MDL	: 0.79			
Bromide	1920	10.0	mg/L	MCAWW 300.0A	12/23-12/24/09	9357368
		Dilution Fac	tor: 50	Analysis Time: 00:00	MS Run #	.1
		MDL	: 0.72			
Chemical Oxygen Demand (COD)	3060	100	mg/L	MCAWW 410.4	01/05/10	0005053
		Dilution Fac	tor: 10	Analysis Time: 14:10	MS Run #	.1
		MDL	: 52.0			
Chloride	192000	2500	mg/L	MCAWW 300.0A	12/23-12/24/09	9357366
		Dilution Fac	ctor: 2500	Analysis Time: 00:00	MS Run #	.4
		MDL	: 132			
Hardness, as CaCO3	7700	250	mg/L	SM20 2340C	01/07/10	0007116
		Dilution Fac	ctor: 50	Analysis Time: 08:25	MS Run #	.: 0007073
		MDL	: 76.9			
Nitrate as N	0.74 B	2.5	mg/L	MCAWW 300.0A	12/23-12/24/09	9357364
		Dilution Fac	ctor: 50	Analysis Time: 02;48	MS Run #	.1
		MDL	: 0.38			
Nitrite as N	ND G	2.5	mg/L	MCAWW 300.0A	12/23-12/24/09	9357365
		Dilution Fac	etor: 50	Analysis Time: 02:48	MS Run #	.:
		MDL	: 0.16			

Client Sample ID: GREENE COUNTY PRODUCTION BRINE

General Chemistry

Lot-Sample #...: C9L230421-008 Work Order #...: LRJPP Matrix..... WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Oil & Grease (HEM)	9.4	4.7 Dilution Fac		CFR136A 1664A HEM Analysis Time: 16:30		9363255
Specific Conductance	779000	500 Dilution Fac		SM20 2510B Analysis Time: 15:15	01/05/10 MS Run #	0005157 .: 0005078
Sulfate	41.8 B	J 50.0 Dilution Fac	tor: 50	MCAWW 300.0A Analysis Time: 00:00	12/23-12/24/09 MS Run #	
Total Alkalinity	190 Ј	5.0 Dilution Fac	tor: 1	SM18 2320 B Analysis Time: 00:00	12/28-12/29/09 MS Run #	
otal Dissolved Solids	313000	200	mg/L	SM20 2540C	12/24-12/28/09	9358059
		Dilution Fac	Control Control	Analysis Time: 10:26	MS Run #.,	.: 9358032
Total Recoverable Phenolics	0.014	J 0.010	mg/L	MCAWW 420.4	12/29-12/30/09	9363316
		Dilution Fac		Analysis Time: 11:25	MS Run #	.: 9363169
Total Suspended Solids	53.6	4.0	mg/L	SM20 2540D	12/24/09	9358061
		Dilution Fac		Analysis Time: 14:15	MS Run #	.: 9358034
10 Att 40.2						

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level,

General Chemistry

Client Lot #...: C9L230421

PARAMETER	RESULT	REPORTING LIMIT	G UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Acidity	ND	Work Order 5.0 Dilution Fact Analysis Time	mg/L for: 1	MB Lot-Sample #: SM20 2310B (4a)	C9L310000-043 12/31/09	9365043
Ammonia Nitrogen	ND	Work Order 0.10 Dilution Fact Analysis Time	The state of the s	MB Lot-Sample #: MCAWW 350.1	C9L280000-110 12/26-12/28/09	9362110
Biochemical Oxygen Demand (BOD)		Work Order	#: LRJPA1AA	MB Lot-Sample #:	C9L230000-224	
beliate (bbb)	ND	2.0 Dilution Fact Analysis Time	7000 7	SM20 5210B	12/23-12/28/09	9357224
Bromide	ND	Work Order 0.20 Dilution Fact Analysis Time	mg/L or: 1	MB Lot-Sample #: MCAWW 300.0A	C9L230000-368 12/23/09	9357368
Chemical Oxygen Demand (COD)		Work Order	#: LRT231AA	MB Lot-Sample #:	C0A050000-053	
	ND	10.0 Dilution Fact Analysis Time	777250 0	MCAWW 410.4	01/05/10	0005053
Chloride	ND	Work Order 1.0 Dilution Fact Analysis Time	mg/L cor: 1	MB Lot-Sample #: MCAWW 300.0A	C9L230000-366 12/23/09	9357366
Hardness, as CaCO3		Work Order	#: LRXE41AA	MB Lot-Sample #:	C0A070000-116	
	ND	5.0 Dilution Fact Analysis Time		SM20 2340C	01/07/10	0007116
Nitrate as N	ND	Work Order 0.050 Dilution Fact Analysis Time		MB Lot-Sample #: MCAWW 300.0A	C9L230000-364 12/23/09	9357364

General Chemistry

Client Lot #: C9L230421	Matrix: WATER
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PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrite as N	ND	Work Order 0.050 Dilution Factor Analysis Time		MB Lot-Sample #: MCAWW 300.0A	C9L230000-365 12/23/09	9357365
Oil & Grease (HEM)	ND	Work Order 5.0 Dilution Fact Analysis Time	mg/L or: 1	MB Lot-Sample #: CFR136A 1664A HEM		9363255
Specific Conductan	ce ND	Work Order 1.0 Dilution Fact Analysis Time	umhos/cm or: 1	MB Lot-Sample #: SM20 2510B	C0A050000-157 01/05/10	0005157
Sulfate	0.059 в	Work Order 1.0 Dilution Fact Analysis Time	mg/L or: 1	MB Lot-Sample #: MCAWW 300.0A	C9L230000-367 12/23/09	9357367
Total Alkalinity	1.4 B	Work Order 5.0 Dilution Fact Analysis Time	mg/L or: 1	MB Lot-Sample #: SM18 2320 B	C9L280000-359 12/28-12/29/09	9362359
Total Dissolved Solids		Work Order	#: LRLDQ1AA	MB Lot-Sample #:	C9L240000-059	
7,7327	ND	10.0 Dilution Fact Analysis Time		SM20 2540C	12/24-12/28/09	9358059
Total Recoverable Phenolics		Work Order	#: LRPCA1AA	MB Lot-Sample #:	C9L290000-316	
	0.0053 B	0.010 Dilution Fact Analysis Time		MCAWW 420.4	12/29-12/30/09	9363316
Total Suspended Solids		Work Order	#: LRLDT1AA	MB Lot-Sample #:	C9L240000-061	
	ND	4.0 Dilution Fact Analysis Time	7-3	SM20 2540D	12/24/09	9358061
NOTE (S):						

[→] Estimated result. Result is less than RL.

General Chemistry

Lot-Sample #:	C9L230421	Matrix	WATER

PARAMETER	PERCENT RECOVERY	RECOVERY RPD PREPARA LIMITS RPD LIMITS METHOD ANALYSI	TION- PREP
Biochemical		WO#:LRJPA1AC-LCS/LRJPA1AD-LCSD LCS Lot-Sample	#: C9L230000-224
Demand (BC	99	/85 - 115) CM20 5210B 12/22-1	2/20/00 0257224
	101	(85 - 115) SM20 5210B 12/23-1 (85 - 115) 1.8 (0-20) SM20 5210B 12/23-1	2/20/09 933/224
	101	Dilution Factor: 1 Analysis Time: 00:00	.2/28/09 933/224
Bromide		WO#:LRKD81AC-LCS/LRKD81AD-LCSD LCS Lot-Sample	#: C9L230000-368
C. S.	95	(90 - 110) MCAWW 300.0A 12/2	
	94	(90 - 110) 0.40 (0-20) MCAWW 300.0A 12/23-1	2/24/09 9357368
		Dilution Factor: 1 Analysis Time: 00:00	2/24/05 555/500
Chemical Oxy		WO#:LRT231AC-LCS/LRT231AD-LCSD LCS Lot-Sample	#: COA050000-053
4	102	(85 - 115) MCAWW 410.4 01/0	5/10 0005053
	102	(85 - 115) 0.05 (0-20) MCAWW 410.4 01/0	05/10 0005053
		Dilution Factor: 1 Analysis Time: 14:10	7.00.00
Chloride		WO#:LRKD61AC-LCS/LRKD61AD-LCSD LCS Lot-Sample	#: C9L230000-366
	100	(90 - 110) MCAWW 300.0A 12/2	23/09 9357366
	100	(90 - 110) 0.11 (0-20) MCAWW 300.0A 12/23-1	2/24/09 9357366
		Dilution Factor: 1 Analysis Time: 00:00	
Nitrate as N		WO#:LRKD31AC-LCS/LRKD31AD-LCSD LCS Lot-Sample	
	98	(90 - 110) MCAWW 300.0A 12/2	
	98	(90 - 110) 0.32 (0-20) MCAWW 300.0A 12/23-1	2/24/09 9357364
		Dilution Factor: 1 Analysis Time: 20:29	
Nitrite as N	Ň	WO#:LRKD51AC-LCS/LRKD51AD-LCSD LCS Lot-Sample	
	107	(90 - 110) MCAWW 300.0A 12/2	23/09 9357365
	107	(90 - 110) MCAWW 300.0A 12/2 (90 - 110) 0.11 (0-20) MCAWW 300.0A 12/23-1	2/24/09 9357365
		Dilution Factor: 1 Analysis Time.,: 20:29	
Oil & Grease		WO#:LRN591AC-LCS/LRN591AD-LCSD LCS Lot-Sample	
	83	(78 - 114) CFR136A 1664A HEM 12/2	9/09 9363255
	85	(78 - 114) 1.8 (0-18) CFR136A 1664A HEM 12/2	9/09 9363255
		Dilution Factor: 1 Analysis Time: 16:30	

General Chemistry

Lot-Sample #...: C9L230421 Matrix....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS R	RPD	RPD LIMITS	METHOD	PREPARATION- PREP ANALYSIS DATE BATCH #
Sulfate		WO#: LRKD7	IAC-	-LCS/LRK	D71AD-LCSD	LCS Lot-Sample#: C9L230000-367
	100	(90 - 110)			MCAWW 300.0	A 12/23/09 9357367
	100	(90 - 110) 0	1.13	(0-20)	MCAWW 300.0	A 12/23-12/24/09 9357367
		Dilution	Fact	or: 1	Analysis T	ime; 00:00

NOTE (S):

General Chemistry

Client Lot #:	C9L230421	Matrix WATER

PARAMETER	PERCENT RECOVERY		BATCH #				
рН	10.8	Work Order #: LRTM71AA LCS Lot-Sample#: COA040					
	100	(99 - 101) SM20 4500-H+B 01/04/10	0004194				
		Dilution Factor: 1 Analysis Time: 13:45					
Acidity		Work Order #: LRQ6H1AC LCS Lot-Sample#: C9L310	0000-043				
	102	(80 - 120) SM20 2310B (4a) 12/31/09	9365043				
		Dilution Factor: 1 Analysis Time: 09:48					
Ammonia Nitrog	en	Work Order #: LRMVE1AC LCS Lot-Sample#: C9L28	0000-110				
	105	(90 - 110) MCAWW 350.1 12/26-12/28/09					
	2.2	Dilution Factor: 1 Analysis Time: 12:49	1002021				
Hardness, as CaCO3		Work Order #: LRXE41AC LCS Lot-Sample#: COA07	0000-116				
	100	(90 - 110) SM20 2340C 01/07/10	0007116				
		Dilution Factor: 1 Analysis Time: 00:00					
Specific Condu	ctance	Work Order #: LRVGC1AC LCS Lot-Sample#: COA05	0000-157				
	91	(80 - 120) SM20 2510B 01/05/10	0005157				
		Dilution Factor: 1 Analysis Time: 15:00					
Total Alkalini	ty	Work Order #: LRNCT1AC LCS Lot-Sample#: C9L28					
	98	(80 - 120) SM18 2320 B 12/28/09	9362359				
		Dilution Factor: 1 Analysis Time: 00:00					
Total Dissolved Solids		Work Order #: LRLDQ1AC LCS Lot-Sample#: C9L24					
	104	(80 - 120) SM20 2540C 12/24-12/28/0	9 9358059				
		Dilution Factor: 1 Analysis Time: 10:26					
Total Recoverable Phenolics		Work Order #: LRPCA1AC LCS Lot-Sample#: C9L290000-316					
	92	(75 - 125) MCAWW 420.4 12/29-12/30/0	9 9363316				
		Dilution Factor: 1 Analysis Time: 11:25					
Total Suspende Solids		Work Order #: LRLDT1AC LCS Lot-Sample#: C9L24	0000-061				
	99	(80 - 120) SM20 2540D 12/24/09	9358061				
		Dilution Factor: 1 Analysis Time: 14:15					

NOTE(S):