

APPENDIX – B

AGENCY CORRESPONDENCES & SEARCH RESULTS

Baker

Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 7, 2007

PA DEP Uniontown
Bureau of Water Supply and Community Health
101 New Salem Road, Suite 175
Uniontown, PA 15401
Attn: Pam Russell

CERTIFIED MAIL # 7005 2570 0000 4038 7170

Subject: Site Selection for Foundation Mine Refuse Disposal Site
Search Impacts
Jackson and Center Townships, Greene County, PA

Ms. Russell:

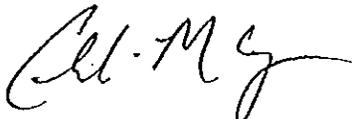
Attached is the information that is requested by for the Pennsylvania Department of Environmental Protection Bureau of Water Supply and Community Health for a search on environmental conflicts. Based on 25 Pa. Code sections 88.281 and 90.5, it is the requirement that information be obtained in order to assess the sites that are being proposed and to properly choose the site(s) with the least amount of environmental impact. The information that is attached is listed below:

- Project Narrative
- Topographic map with project boundary maps

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the project area, and more so within the 24 proposed refuse sites.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.
Civil Associate II

Enclosures

ChallengeUs.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PA DEP Uniontown
Ms. Pam Russell
Bureau of Water Supply &
Community Health
101 New Salem Rd, Ste 175
Uniontown, PA 15401

2. Article Number
(transfer from service label)

7005 2570 0000 4038 7120 10

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *TAMMY ZACK* Agent Addressee

B. Received by (Printed Name): *TAMMY ZACK* C. Date of Delivery

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes



Pennsylvania Department of Environmental Protection

Water Standards and Facility Regulation
100 New Salem Road, Suite 175
Uniontown, PA 15401
September 14, 2007

RECEIVED

SEP 17 2007

Michael Baker Jr., Inc.

UNIONTOWN DISTRICT OFFICE

PHONE: 724-439-7331

FAX: 724-439-7352

Michael Baker, Jr. Inc.
Attn: Charles McCrady, E.I.T.
4301 Dutch Ridge Road
Beaver, PA 15009

Re: Public water intakes down stream from proposed site
for foundation Coal, Mine refuse site.
Jackson Township & Center Township
Greene County

Mr. McCrady,

There are no (0) public water systems (PWS) that have surface water intakes within approximately ten (10) miles down stream or ground water sources (spring or well) within one half (1/2) mile of the proposed mining activity.

Please be aware that 25 Pa. Code §109.5 requires that a construction permit must be obtained from the department before construction of a public water system. You may contact Deborah McDonald at 412-442-4214 for further details on the permitting process and requirements.

If you require any further information, please contact me at the above number.

Sincerely,

Pamela P. Russell
Sanitarian





Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation

Box 280, 4301 Dutch Ridge Road
Beaver, Pennsylvania 15009-0280

(724) 495-7711
FAX (724) 495-4082

January 18, 2007

1/18/08

Natural Resources Conservation Service
Greene County Office Building, Room 213
93 East High Street
Waynesburg, PA 15370
Attn: Susan C. Funka-Petery

CERTIFIED MAIL# 7007 0710 0001 3166 9109

Subject: Site Selection for Foundation Mine Refuse Disposal Site
Prime Farmland Soils
Center and Jackson Townships, Greene County, PA

Ms. Funka-Petery:

Attached is the information that is requested by for the Natural Resources Conservation Service for a search on prime farmland soils. The information that is attached is listed below:

- Project Narrative
- USGS 7.5 minute quadrangle - Project Location Soils Map

I would greatly appreciate a written response as soon as possible, if your agency has any prime farmland soils within the project area.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.

Enclosures

ChallengeUs.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p> <input type="checkbox"/> Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired. <input type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece or on the front if space permits. </p>	<p> A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee <i>Susan F. Peter</i> </p>
<p> 1. Article Addressed to NATURAL RESOURCES CONSERVATION SERVICES GREEN COUNTY OFFICE BLDG 93 EAST HIGH STREET WAYNESBURG PA 15370 ATTN: SUSAN F. PETER </p>	<p> B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery S. Peter 11-22-07 D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No Room 213 </p>
<p> 2. Article Number: (Transfer from service label) 7067-0716-0001-3166-9109 </p>	<p> 3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. </p>
<p>PS Form 3811, February 2004</p>	<p> 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes Domestic Return Receipt 102595-02-M-1540 </p>



Greene County Office Bldg., Room 213
93 E. High Street, Waynesburg, PA 15370
724-627-5821

RECEIVED

MAR 03 2008

Michael Baker Jr., Inc.

February 29, 2008

Michael Baker, Jr., Inc.
Attn: Charles McCrady, EIT
Box 280, 4301 Dutch Ridge Road
Beaver, PA 15009

Dear Mr. McCrady:

I am in receipt of your letter dated January 18th in regards to Foundation Coal Refuse Disposal Sites, Center and Jackson Townships, Greene County. I have reviewed the areas outlined on the map provided relative to prime farmland soils. The following sites have prime farmland soils located within the area: 3, 4, 5, 8, 9, 10, 11, 17, 19, 20, and 21.

Feel free to contact me should you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Susan C. Funka-Petery".

Susan C. Funka-Petery
District Conservationist



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

CERTIFIED MAIL# 7005 2570 0000 4038 6975

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R1
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070104071086) that was conducted on January 4, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R1 is 218 acres and is located in Center Township on the Holbrook quadrangle.

PN: Project Environmental Review Receipt
Project Search ID: 20080825156354
Project Name: R1
Date: 8/25/2008 10:14:29 AM

Project Location



Project Name: R1
On Behalf Of: Private Individual
Project Search ID: 20080825156354
Date: 8/25/2008 10:14:25 AM
of Potential Impacts: 1
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.85721 N, -80.32511 W
Degrees Minutes Seconds: 39° 51' 25.9" N, 80° 19' 30.4" W
Lambert: -654214.65731346, 323083.01780869 ft
ZIP Code: 15341
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 259.6 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

1 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156354

Project Name: R1

Date: 8/25/2008 10:14:29 AM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

P.O. Box 8552

Harrisburg, PA 17105-8552

FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:

PNL Project Environmental Review Receipt

Project Search ID: 20080825156354

Project Name: R1

Date: 8/25/2008 10:14:29 AM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNHP review. See DEP PNHP policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

APPLICANT

PNL Project Environmental Review Receipt

Project Search ID: 20080825156354

Project Name: R1

Date: 8/25/2008 10:14:29 AM

FAX Number: (717) 772-0271

Contact Name: BRAD RUMAN
Address: 4301 DUTCH RIDGE ROAD
City, State, Zip: BEAVER, PA 15009
Phone: 724-495-4241
Email: bruman@mbakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



Refuse Site R1

SCALE: 1:1000 S.O. NO. 113672
 DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 4301 Dutch Ridge Road
 Beaver, Pennsylvania 15009

SHEET NO.
 1
 OF 1

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent <i>X [Signature]</i></p> <p>B. Received by (Printed Name) _____ C. Date of Delivery SEP 09 2008</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: _____</p>
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>PS Form 3811, February 2004</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> <p style="text-align: center; font-size: 1.2em;">7005 2570 0000 4038 6975</p> <p style="text-align: center;">Domestic Return Receipt 102595-02-M-1540</p>

U.S. Postal Service CERTIFIED MAIL™ RECEIPT <i>(Domestic Mail Only, No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$ _____ Certified Fee _____ Return Receipt Fee (Endorsement Required) _____ Restricted Delivery Fee (Endorsement Required) _____ Total Postage & Fees \$ _____	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; text-align: center;"> <p>SEAVER, PA 17109</p> <p>Postmark Here</p> <p>5 2008</p> </div>
Sent To Street, Apt. or PO Box 1 City, State,	Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552
PS Form 3811	one

7005 2570 0000 4038 6975



Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

September 23, 2008

Charles McCrady, E.I.T.

FAX: 724-495-4017 (hard copy will NOT follow)

<i>Pennsylvania Natural Diversity Inventory Review, PNDI Number</i>	20080825156354
R1 - Alternate 1 (Mine Refuse Disposal Site)	
Center Twp.; Greene County	

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

NO PROJECT IMPACT ANTICIPATED

KNOWN OCCURRENCES, HOWEVER, NO IMPACT ANTICIPATED

PNDI records indicate PA State-listed special concern species or resources are located in the vicinity of the project. However, based on the information submitted to us concerning the nature of the project, the immediate location, and our detailed resource information, we determined that no impact is likely. No further coordination with DCNR is needed for this project.

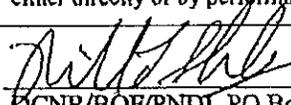
CONSERVATION MEASURE—VOLUNTARY ACTION

Based on our PNDI map review we determined potential impacts to a Proposed PA State-listed species and/or resources of special concern and have suggested a Conservation Measure to minimize the impact of the project on ecological resources. Further coordination with this office is not necessary. Please try to avoid potential impacts to the below listed resources. This determination is based on proposed status, which may change when species regulatory statuses are updated.

COMMENTS: *Voluntary implementation of the following recommendations will contribute to the conservation and recovery of this species. *Amblyscirtes vialis* (Common Roadside Skipper Butterfly, Imperiled to Apparently Secure in PA) is a species in the vicinity which utilizes open areas in or near woodlands, often close to streams. Their larvae use host plants of various grasses including wild oats (*Avena*), bent grass (*Agrostis*), bluegrass (*Poa*), Bermuda grass (*Cynodon dactylon*), and Indian woodoats grass (*Chasmanthium latifolia*). These skippers prefer nectar from low-growing blue flowers including verbena and selfheal. Some suggestions include implementing a 100-300 ft. no-disturbance buffer around stream banks and avoiding disturbing open areas within woodlands near streams as well as their host plants. Please consider using native species when re-seeding. (<http://www.dcnr.state.pa.us/FORESTRY/wildplant/invasive.aspx>)

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

 Richard L. Shockey, Environmental Review Specialist
 DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-772-0263 ~ F: 717-772-0271 ~ c-rshockey@state.pa.us

Stewardship Partnership Service



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

CERTIFIED MAIL# 7005 2570 0000 4038 6982

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R3
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070828107449) that was conducted on August 28, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

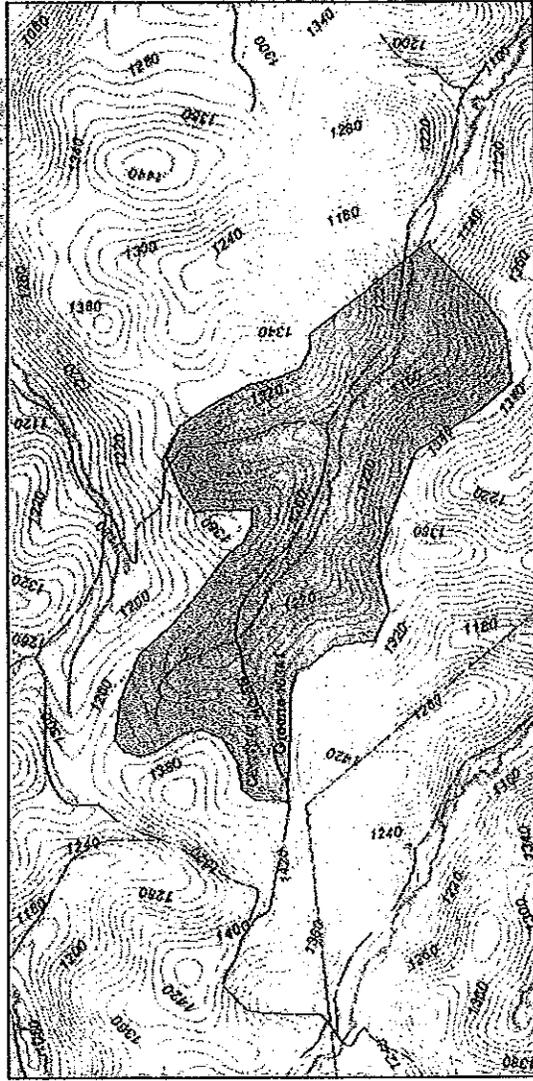
**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R3 is 276 acres and is located in Center Township on the Holbrook quadrangle.

PNW Project Environmental Review Receipt
Project Search ID: 20080825156368
Project Name: R3
Date: 8/25/2008 10:44:40 AM

Project Location



Project Name: R3
On Behalf Of: Private Individual
Project Search ID: 20080825156368
Date: 8/25/2008 10:44:35 AM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, log/wall, refuse disposal)
Project Location
Decimal Degrees: 39.89947N, -80.32607W
Degrees Minutes Seconds: 39° 52' 10.1" N, 80° 19' 33.9" W
Lambert: -655972.89998, 326878.50883, 145 ft
ZIP Code: 15341
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 296.1 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation and Natural Resources,
Pennsylvania Fish and Boat Commission

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry

P.O. Box 8552

Harrisburg, PA 17105-8552

FAX Number: (717) 772-0271

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Belleville, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from the date of PFBC receipt of the project review request.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species within a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following: Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. AS 1030; Pennsylvania Crimes Code, AS 4914 (tampering with public records or information), AS 7611 (unlawful use of computer and other computer crimes), AS 7612 (disruption of service), AS 7613 (computer theft), AS 7614 (unlawful duplication), and AS 7615 (computer trespass).

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This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be

reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/dep/dep/dep/fields/map.pdf](http://www.dep.state.pa.us/dep/dep/dep/dep/fields/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/dep/dep/dep/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/dep/dep/dep/minres/Districts/homepage/Default.htm)

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

Oil and Gas Management

Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm

Phone: _____

Email: _____

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Signature: [Signature]

Date: 8-25-08

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: Brett Roman

Address: 4301 DUTCH RIDGE ROAD

City, State, Zip: BEAVER, PA 15009

Phone: 724-495-4241

Email: broman@mba.kerryco.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____

Address: _____

City, State, Zip: _____

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0274

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823



Refuse Site R3 & R5

SCALE: 1:1000 S.O. NO. 113672
 DATE: 09/05/2008 FILE: _____



Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 4301 Dutch Ridge Road
 Beaver, Pennsylvania 15009

SHEET NO.
1
 OF 1

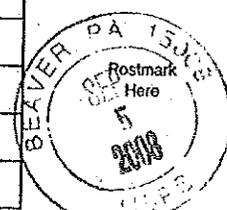
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>X <i>[Signature]</i> SEP 09 2008</p> <p>B. Received by (Print Name) <i>[Name]</i> <input type="checkbox"/> Restricted Delivery</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below.</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p style="text-align: center; font-size: 1.2em;">7005 2570 0000 4038 6982</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1640</p>	

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Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	



Sent To

Ecological Services Section
PA Dept. of Conservation & Natural Resources
Bureau of Forestry
PO Box 8552
Harrisburg, PA 17105-8552

PS Form 3800

7005 2570 0000 4038 6982



Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

September 23, 2008

Charles McCrady, E.I.T.

FAX: 724-495-4017 (hard copy will NOT follow)

<i>Pennsylvania Natural Diversity Inventory Review, PNDI Number</i>	20080825156368
R3 - Alternate 2 (Mine Refuse Disposal Site)	
Center Twp.; Greene County	

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

NO PROJECT IMPACT ANTICIPATED

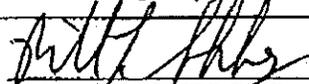
KNOWN OCCURRENCES, HOWEVER, NO IMPACT ANTICIPATED
 PNDI records indicate PA State-listed special concern species or resources are located in the vicinity of the project. However, based on the information submitted to us concerning the nature of the project, the immediate location, and our detailed resource information, we determined that no impact is likely. No further coordination with DCNR is needed for this project.

CONSERVATION MEASURE—VOLUNTARY ACTION
 Based on our PNDI map review we determined potential impacts to a Proposed PA State-listed species and/or resources of special concern and have suggested a Conservation Measure to minimize the impact of the project on ecological resources. Further coordination with this office is not necessary. Please try to avoid potential impacts to the below listed resources. This determination is based on proposed status, which may change when species regulatory statuses are updated.

COMMENTS: *Voluntary implementation of the following recommendations will contribute to the conservation and recovery of this species. *Amblyscirtes vialis* (Common Roadside Skipper Butterfly, Imperiled to Apparently Secure in PA) is a species in the vicinity which utilizes open areas in or near woodlands, often close to streams. Their larvae use host plants of various grasses including wild oats (*Avena*), bent grass (*Agrostis*), bluegrass (*Poa*), Bermuda grass (*Cynodon dactylon*), and Indian woodoats grass (*Chasmanthium latifolia*). These skippers prefer nectar from low-growing blue flowers including verbena and selfheal. Some suggestions include implementing a 100-300 ft. no-disturbance buffer around stream banks and avoiding disturbing open areas within woodlands near streams as well as their host plants. Please consider using native species when re-seeding. (<http://www.dcnr.state.pa.us/FORESTRY/wildplant/invasive.aspx>)

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

 Richard L. Shockey, Environmental Review Specialist
 DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-772-0263 ~ F: 717-772-0271 ~ c-rshockey@state.pa.us



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

CERTIFIED MAIL# 7007 0710 0001 3166 9413

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R3
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070828107449) that was conducted on August 28, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

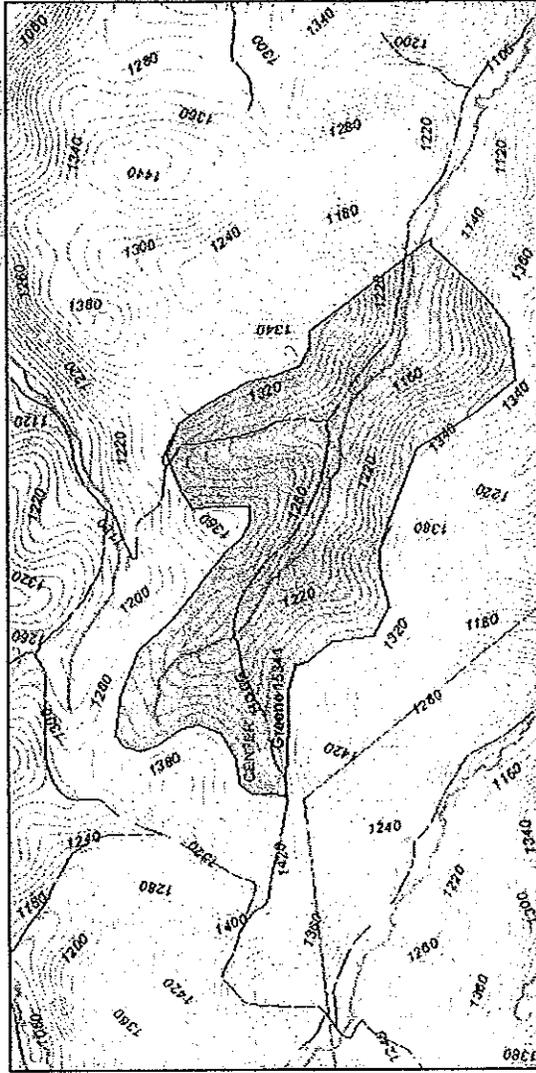
Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R3 is 276 acres and is located in Center Township on the Holbrook quadrangle.

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156368
Project Name: R3
Date: 8/25/2008 10:44:40 AM

Project Location



Project Name: R3
On Behalf Of: Private Individual
Project Search ID: 20080825156368
Date: 8/25/2008 10:44:35 AM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources,
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.86947°N, -80.32607°W
Degrees Minutes Seconds: 39° 52' 10.1" N, 80° 19' 33.9" W
Lambert: -655972.89998785, 326878.50883145 ft
ZIP Code: 15341
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 296.1 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources,
Pennsylvania Fish and Boat Commission

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Belleville, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from the date of PFBC receipt of the project review request.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

1 potential impact

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended, 16 U.S.C. 1531 et seq) is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

PNL Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

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This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be

reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

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In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

PN/D1 Project Environmental Review Receipt

Project Search ID: 20080825156368

Project Name: R3

Date: 8/25/2008 10:44:40 AM

Oil and Gas Management

Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm

Phone: _____

Email: _____

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Signature: 

Date: 8-25-08

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: BRAD ROMAN

Address: 4301 DUTCH RIDGE ROAD

City, State, Zip: BEAVER PA 15009

Phone: 724-495-4241

Email: brroman@mbdakercorp.com

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105 8552
FAX Number: (717) 772-0274

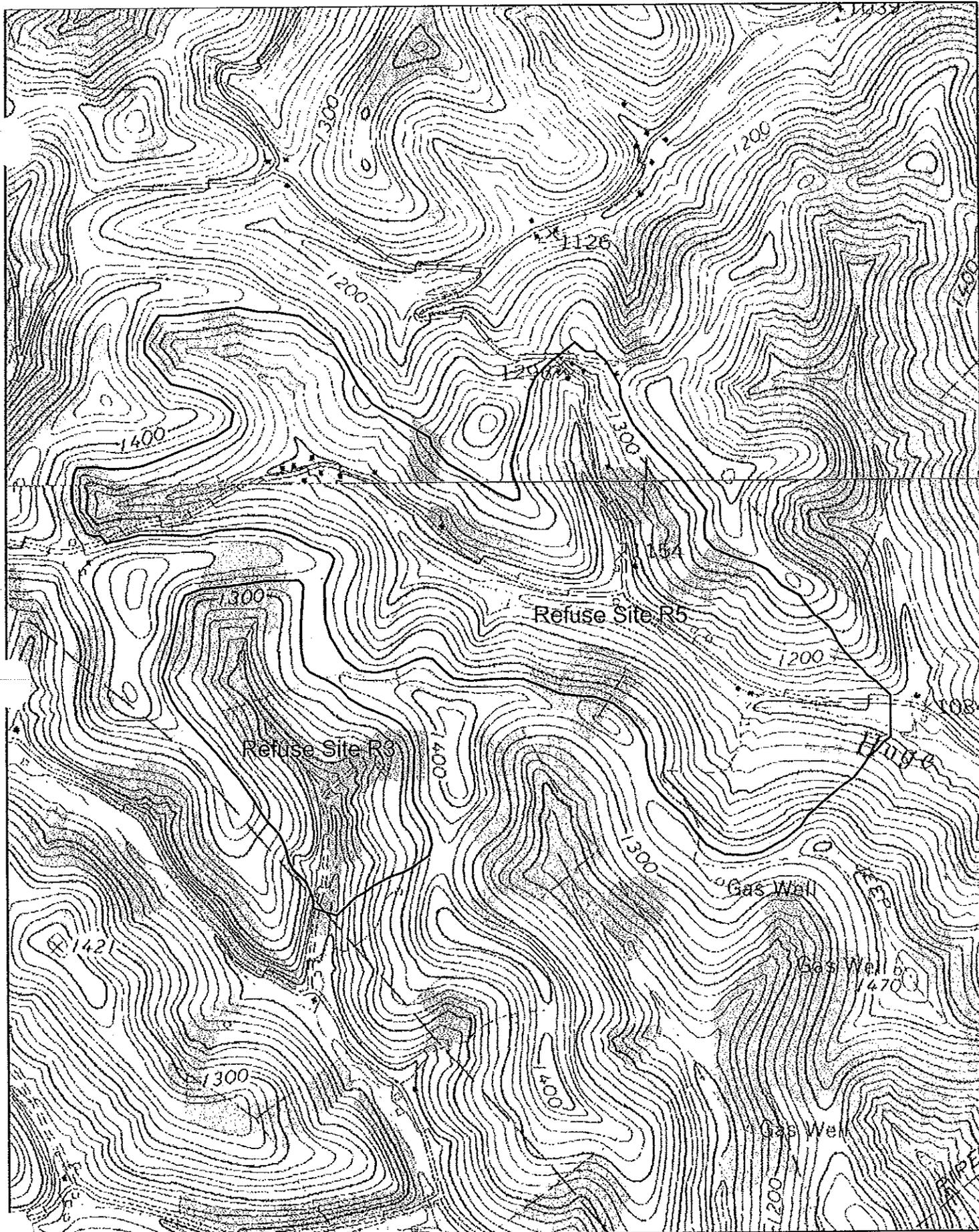
Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____

Address: _____

City, State, Zip: _____



Refuse Site R3 & R5

SCALE: 1:1000 S.O. NO. 113672
 DATE: 09/05/2008 FILE: _____



Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 4301 Dutch Ridge Road
 Beaver, Pennsylvania 15009

SHEET NO.
1
 OF 1

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits

1. Article Addressed to:

Natural Diversity Section
 PA Fish and Boat Commission
 Division of Environmental Services
 450 Robinson Lane
 Bellefonte, PA 16823

2. Article Number
 (Transfer from service label)

7007 0710 0001 3166 9413

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
T. Alexander

B. Received by (Printed Name) *T. Alexander* C. Date of Delivery

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below.

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

U.S. Postal Service
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Postage	\$	
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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	15.00

Sent To: Natural Diversity Section, PA Fish and Boat Commission, Division of Environmental Services, 450 Robinson Lane, Bellefonte, PA 16823

PS Form 3800

7007 0710 0001 3166 9413

SEP 03 2008

02 1A 00046327169

MAILED FROM ZIP CODE 16823

BEZVER PA 16823

UNITED STATES



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175
September 17, 2008

IN REPLY REFER TO
SIR# 29735

CHARLES MCCRADY
BAKER
4301 DUTCH RIDGE ROAD
BEAVER, PA 15009

RE: Species Impact Review (SIR) -- Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 20080825156368
R3 ALTERNATE 2
CENTER Township, GREENE County, Pennsylvania

Dear Mr. MCCRADY:

I have examined the map accompanying your recent correspondence, which shows the location for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, rare or protected freshwater mussel species are known from the vicinity of the project area.

These rare and protected freshwater mussel species are known from the waterway near the project site. No erosion or sediment should be allowed to enter into the waterway (e.g., strict E&S control measures need to be employed). No release of toxic or harmful chemicals should be discharged into the waterway. Provided that these recommendations are followed, as well as best management practices and an approved strict erosion/sedimentation control plan is maintained, then I do not anticipate the proposed activity to have any significant adverse impacts to the freshwater mussel species or any other rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this correspondence, please contact Nevin Welte at (814) 359-5234 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NW/mr

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175
September 17, 2008

IN REPLY REFER TO
SIR# 29734

CHARLES MCCRADY
BAKER
4301 DUTCH RIDGE ROAD
BEAVER, PA 15009

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 20080825156390
R5 ALTERNATE 2
CENTER Township, GREENE County, Pennsylvania

Dear Mr. MCCRADY:

I have examined the map accompanying your recent correspondence, which shows the location for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, rare or protected freshwater mussel species are known from the vicinity of the project area.

These rare and protected freshwater mussel species are known from the waterway near the project site. No erosion or sediment should be allowed to enter into the waterway (e.g., strict E&S control measures need to be employed). No release of toxic or harmful chemicals should be discharged into the waterway. Provided that these recommendations are followed, as well as best management practices and an approved strict erosion/sedimentation control plan is maintained, then I do not anticipate the proposed activity to have any significant adverse impacts to the freshwater mussel species or any other rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this correspondence, please contact Nevin Welte at (814) 359-5234 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NW/mr

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

Baker

Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

CERTIFIED MAIL# 7007 0710 0001 3166 9437

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R4
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

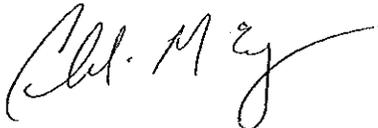
Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070828107471) that was conducted on August 28, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

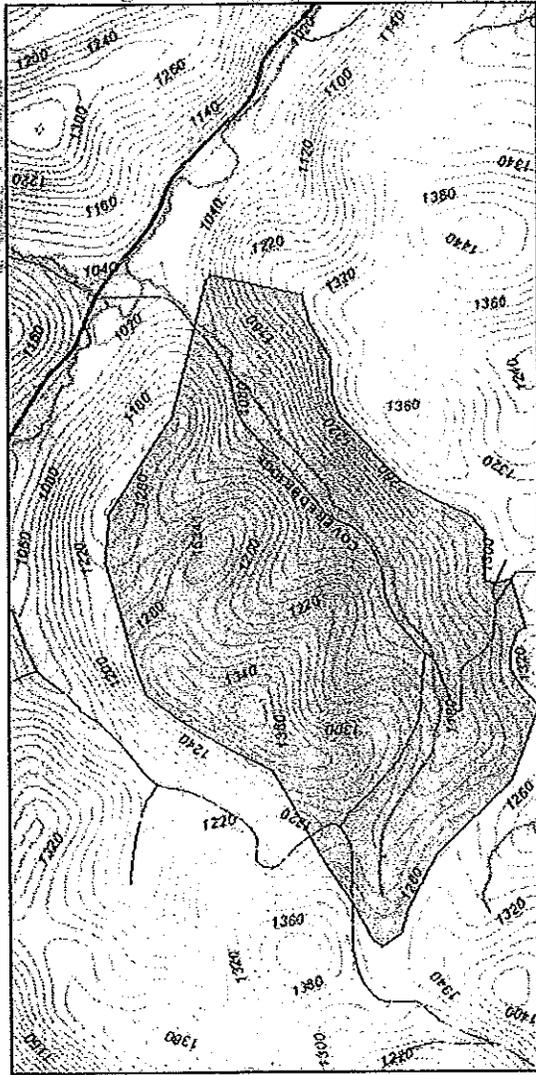
**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R4 is 317 acres and is located in Center Township on the Rogersville quadrangle.

PNDI Project Environmental Review Receipt
Project Search ID: 20080825156378
Project Name: R4
Date: 8/25/2008 11:08:00 AM

Project Location



Project Name: R4
On Behalf Of: Private Individual
Project Search ID: 20080825156378
Date: 8/25/2008 11:07:56 AM
of Potential Impacts: 1
Jurisdictional Agency:
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.88575 N, -80.32475 W
Degrees Minutes Seconds: 39° 53' 8.7" N, 80° 19' 29.1" W
Lambert: -655575.32196673, 380345.65162676 ft
ZIP Code: 15341
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 791
Quadrangle Name: ROGERSVILLE
Project Area: 342.8 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

1 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Fish and Boat Commission

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156378

Project Name: R4

Date: 8/25/2008 11:08:00 AM

the date of PFBC receipt of the project review request.

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156378

Project Name: R4

Date: 8/25/2008 11:08:00 AM

potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following: Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4914 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this

system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156378
Project Name: R4
Date: 8/25/2008 11:08:00 AM

Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

APPLICANT

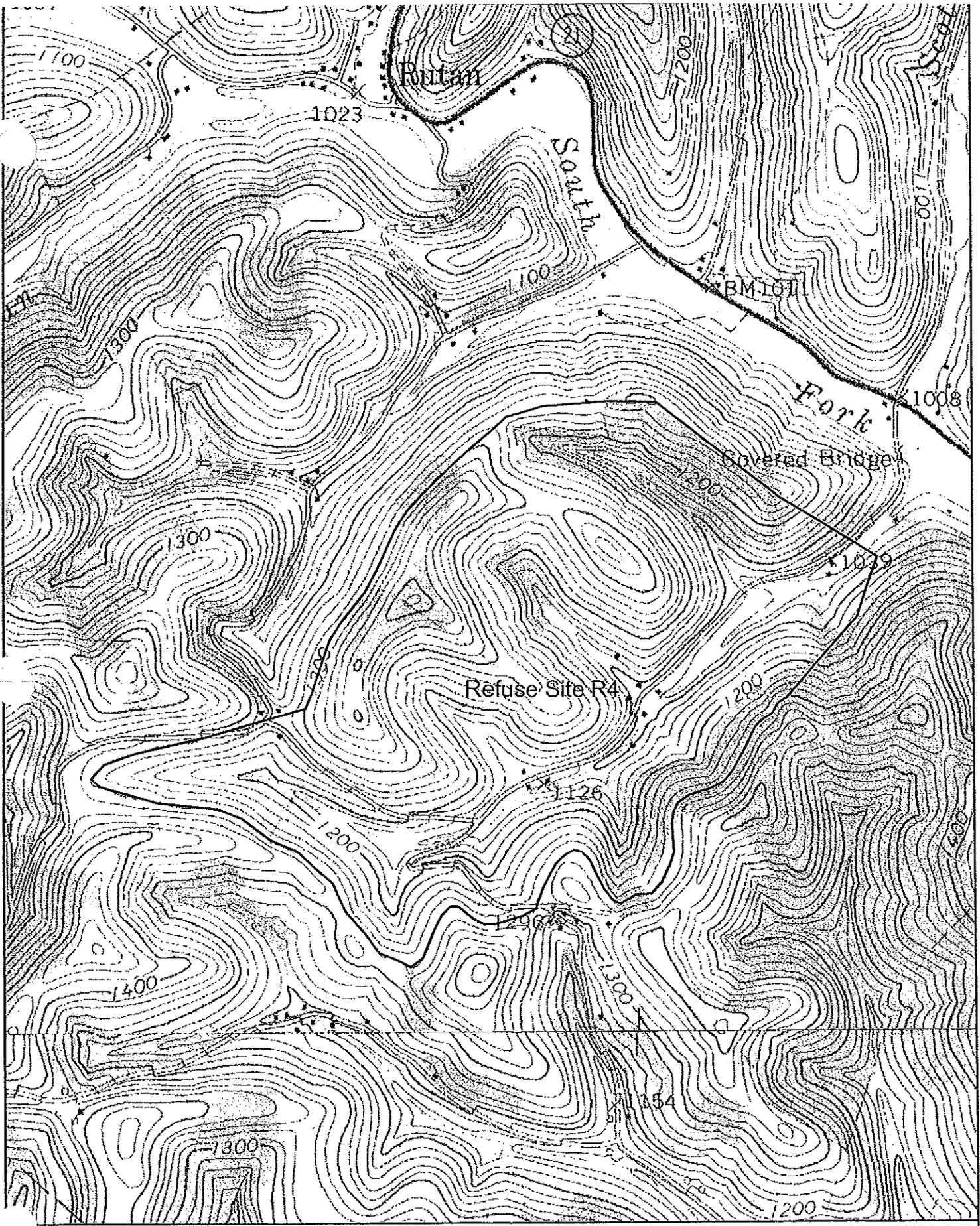
Contact Name: BRAD ROMAN
Address: 4301 DUTCH RIDGE ROAD
City, State, Zip: BEAVER PA 15009
Phone: 724-495-4241
Email: brroman@mbakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Natural Diversity Section
Pennsylvania Fish and Boat Commission



Refuse Site R4

SCALE: 1:1000 S.O. NO. 113672

DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation
4301 Dutch Ridge Road
Beaver, Pennsylvania 15009

SHEET NO.

1

OF 1

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mail piece, or on the front if space permits. 		A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>T. Alexander</i>	
1. Article Addressed to: <div style="border: 1px solid black; padding: 10px; text-align: center;"> Natural Diversity Section PA Fish and Boat Commission Division of Environmental Services 450 Robinson Lane Bellefonte, PA 16823 </div>		B. Received by (Printed Name) <i>T. Alexander</i> C. Date of Delivery D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label)		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
PS Form 3811, February 2004		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
		7007 0710 0001 3166 9437	
		Domestic Return Receipt	
		102595-02-M-1540	

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information, visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: Natural Diversity Section
PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

PS Form 3800, August 2003 see reverse for instructions

7007 0710 0001 3166 9437



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175
September 17, 2008

IN REPLY REFER TO
SIR# 29737

CHARLES MCCRADY
BAKER
4301 DUTCH RIDGE ROAD
BEAVER, PA 15009

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 200808251563778
R4 ALTERNATE 3
CENTER Township, GREENE County, Pennsylvania

Dear Mr. MCCRADY:

I have examined the map accompanying your recent correspondence, which shows the location for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, rare or protected freshwater mussel species are known from the vicinity of the project area.

These rare and protected freshwater mussel species are known from the waterway near the project site. No erosion or sediment should be allowed to enter into the waterway (e.g., strict E&S control measures need to be employed). No release of toxic or harmful chemicals should be discharged into the waterway. Provided that these recommendations are followed, as well as best management practices and an approved strict erosion/sedimentation control plan is maintained, then I do not anticipate the proposed activity to have any significant adverse impacts to the freshwater mussel species or any other rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this correspondence, please contact Nevin Welte at (814) 359-5234 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NW/mr

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

CERTIFIED MAIL# 7007 0710 0001 3166 9444

Subject: Site Selection for Foundation Mine Refuse Disposal Site -- Refuse Area R6
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070828107444) that was conducted on August 28, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R6 is 236 acres and is located in Center Township on the Holbrook quadrangle.

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156394

Project Name: R6

Date: 8/25/2008 11:28:21 AM

Project Location



Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

1 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Fish and Boat Commission

Project Name: R6
On Behalf Of: Private Individual
Project Search ID: 20080825156394
Date: 8/25/2008 11:28:16 AM
of Potential Impacts: 1
Jurisdictional Agency:
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.86422 N, -80.30179 W
Degrees Minutes Seconds: 39° 51' 51.2" N, 80° 18' 6.5" W
Lambert: -648653.65627828, 326310.26950510 ft
ZIP Code: 15341
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 279.2 acres

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156394

Project Name: R6

Date: 8/25/2008 11:28:21 AM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from

the date of PFBC receipt of the project review request.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156394
Project Name: R6
Date: 8/25/2008 11:28:21 AM

potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:
Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. A§ 1030;
Pennsylvania Crimes Code, A§ 4914 (tampering with public records or information), A§ 7611 (unlawful use of computer and other computer crimes), A§ 7612 (disruption of service), A§ 7613 (computer theft), A§ 7614 (unlawful duplication), and A§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this

system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldsops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldsops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: 

Date: 8-25-08

Project applicant on whose behalf this search was conducted:

PNL1 Project Environmental Review Receipt

Project Search ID: 20080825156394

Project Name: R6

Date: 8/25/2008 11:28:21 AM

Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

APPLICANT

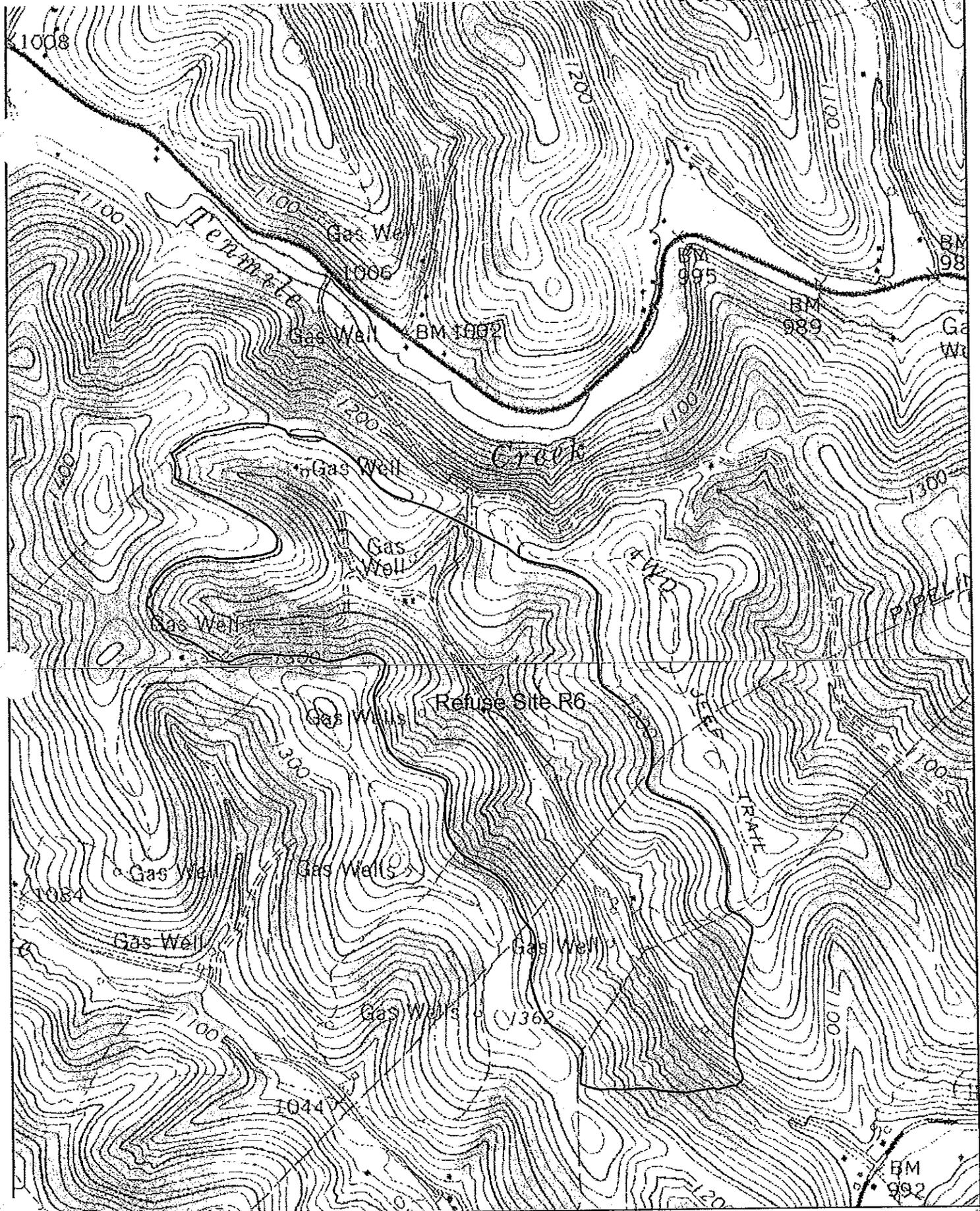
Contact Name: BRAD RUMAN
Address: 4301 DUTCH RIDGE ROAD
City, State, Zip: BEAVER, PA 15009
Phone: 724-495-4241
Email: bruman@mbakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Natural Diversity Section
Pennsylvania Fish and Boat Commission



Refuse Site R6

SCALE: 1:1000 S.O. NO. 113672

DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 4301 Dutch Ridge Road
 Beaver, Pennsylvania 15009

SHEET NO.

1

OF 1

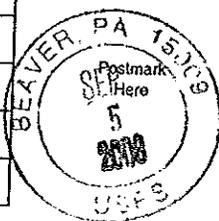
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also, complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>T. Alexander</i>
1. Article Addressed to: <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Natural Diversity Section PA Fish and Boat Commission Division of Environmental Services 450 Robinson Lane Bellefonte, PA 16823</p> </div>	B. Received by (Printed Name) <i>T. Alexander</i>
2. Article Number <i>(Transfer from service label)</i>	C. Date of Delivery D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
7007 0710 0001 3166 9444	
Domestic Return Receipt 102595-02-M-1640	

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Restricted Delivery Fee <small>(Endorsement Required)</small>		
Total Postage & Fees	\$	



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 Street, Apt. 1 or PO Box #
 City, State, Z

Natural Diversity Section
 PA Fish and Boat Commission
 Division of Environmental Services
 450 Robinson Lane
 Bellefonte, PA 16823

PS Form 3800, August 2006 See reverse for instructions

7007 0710 0001 3166 9444



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175
September 17, 2008

IN REPLY REFER TO
SIR# 29736

CHARLES MCCRADY
BAKER
4301 DUTCH RIDGE ROAD
BEAVER, PA 15009

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 20080825156394
R6 ALTERNATE 4
CENTER Township, GREENE County, Pennsylvania

Dear Mr. MCCRADY:

I have examined the map accompanying your recent correspondence, which shows the location for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, rare or protected freshwater mussel species are known from the vicinity of the project area.

These rare and protected freshwater mussel species are known from the waterway near the project site. No erosion or sediment should be allowed to enter into the waterway (e.g., strict E&S control measures need to be employed). No release of toxic or harmful chemicals should be discharged into the waterway. Provided that these recommendations are followed, as well as best management practices and an approved strict erosion/sedimentation control plan is maintained, then I do not anticipate the proposed activity to have any significant adverse impacts to the freshwater mussel species or any other rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this correspondence, please contact Nevin Welte at (814) 359-5234 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NW/mr

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Bureau of land Management
Pennsylvania Game Commission
Division of Environmental Planning and Habitat Protection
2001Elmerton Avenue
Harrisburg, PA 17110-9797

CERTIFIED MAIL# 7007 0710 0001 3166 9406

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R8
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20080114124074) that was conducted on January 14, 2008 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R8 is 292 acres and is located in Center Township on the Rogersville quadrangle.

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399
Project Name: R8
Date: 8/25/2008 11:37:58 AM

Project Location



Project Name: R8
On Behalf Of: Private Individual
Project Search ID: 20080825156399
Date: 8/25/2008 11:37:58 AM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Game Commission,
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, longwall, refuse disposal)
Project Location
Decimal Degrees: 39.87966N, -80.28811W
Degrees Minutes Seconds: 39°52'47.9" N, 80°17'16.9" W
Lambert: -642135.5168752, 362117.249937 ft
ZIP Code: 15359
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 791
Quadrangle Name: ROGERSVILLE
Project Area: 346.6 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Game Commission,
Pennsylvania Fish and Boat Commission

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Bureau of Land Management
Pennsylvania Game Commission
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
FAX Number: (717) 787-6957

email the project information. The search results provided by this review are specific to species of special concern. The Pennsylvania Game Commission reserves the right to comment on additional aspects of this project (Ex. wetland or stream impacts).

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from the date of PFBC receipt of the project review request.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884; as amended; 16 U.S.C. 1531 et seq.) is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the County lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species within a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This

Please mail or fax only one (1) copy of the project review request. Do not

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

TERMS OF USE

Upon signing into the PNDI environmental review website and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following: Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. AS 1030; Pennsylvania Crimes Code, AS 4911 (tampering with public records or information), AS 7611 (unlawful use of computer and other computer crimes), AS 7612 (disruption of service), AS 7613 (computer theft), AS 7614 (unlawful duplication), and AS 7615 (computer trespass)

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

Regional Offices

Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf

District Mining Operations

Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm

Oil and Gas Management

Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Signature: [Signature]

Date: 8-25-08

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: BEAD ROMAN

Address: 4301 DUTCH ROCK ROAD

City, State, Zip: BEAVER PA 15009

Phone: 724-495-5251

Email: beadroman@beaverpa.gov

Bureau of Land Management
Pennsylvania Game Commission
Division of Environmental Planning and Habitat Protection
2007 Elmerton Avenue
Harrisburg, PA 17110-9797
FAX Number: (717) 787-6957

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

PERSON CONDUCTING SEARCH (if not applicant)



Refuse Site R8

SCALE: 1:1000 S.O. NO. 113672

DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation
4301 Dutch Ridge Road
Beaver, Pennsylvania 15009

SHEET NO.

1

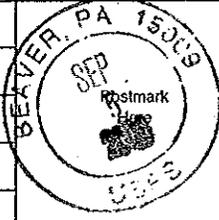
OF 1

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mail piece or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Bureau of Land Management Pennsylvania Game Commission Division of Environmental Planning & Habitat Protection 2001 Elmerton Avenue Harrisburg, PA 17110</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below</p> <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7007 0710 0001 3166 9406</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02M-1540</p>	

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Total Postage & Fees	\$	

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 Pennsylvania Game Commission
 Division of Environmental Planning & Habitat Protection
 2001 Elmerton Avenue
 Harrisburg, PA 17110

Street, Apt. or PO Box / City, State

PS Form 3800, August 2006 See reverse for instructions

7007 0710 0001 3166 9406



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA GAME COMMISSION
2001 ELMERTON AVENUE, HARRISBURG, PA 17110-9797

September 12, 2008

Mr. Charles McCrady
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

In re: Site Selection Foundation Mine Refuse Disposal Site
Refuse Area R8
PNDI Search Impacts
Center Township, Greene County

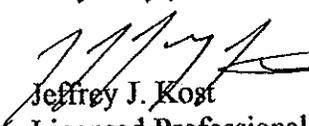
Dear Mr. McCrady:

This is in response to your letter dated September 4, 2008, regarding the potential impacts of your proposed project(s) on special concern species of birds or mammals.

Our office review has determined that your proposed project(s) should not cause any adverse impacts to any special concern species of birds or mammals. This determination may be reconsidered if project plans change or extend beyond the present study area, or if additional information becomes available on state-listed species.

If you have any questions, please contact me at (717) 783-5957. Please be advised that this determination is only valid for one year from the date of this letter.

Very truly yours,


Jeffrey J. Kost

Licensed Professional Geologist
Division of Environmental Planning
And Habitat Protection
Bureau of Wildlife Habitat Management

JJK/pfb

Cc: File

ADMINISTRATIVE BUREAUS:

PERSONNEL: 717-787-7836 ADMINISTRATION: 717-787-5670 AUTOMOTIVE AND PROCURMENT: 717-787-6594
LICENSE DIVISION: 717-787-2084 WILDLIFE MANAGEMENT: 717-787-5529 INFORMATION & EDUCATION: 717-787-6286
WILDLIFE PROTECTION: 717-787-5740 WILDLIFE HABITAT MANAGEMENT: 717-787-6818 REAL ESTATE: 717-787-6568
AUTOMATED TECHNOLOGY SYSTEMS: 717-787-4076



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellefonte, PA 16823

CERTIFIED MAIL# 7007 0710 0001 3166 9451

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R8
PNDI Search Impacts
Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20080114124074) that was conducted on January 14, 2008 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R8 is 292 acres and is located in Center Township on the Rogersville quadrangle.

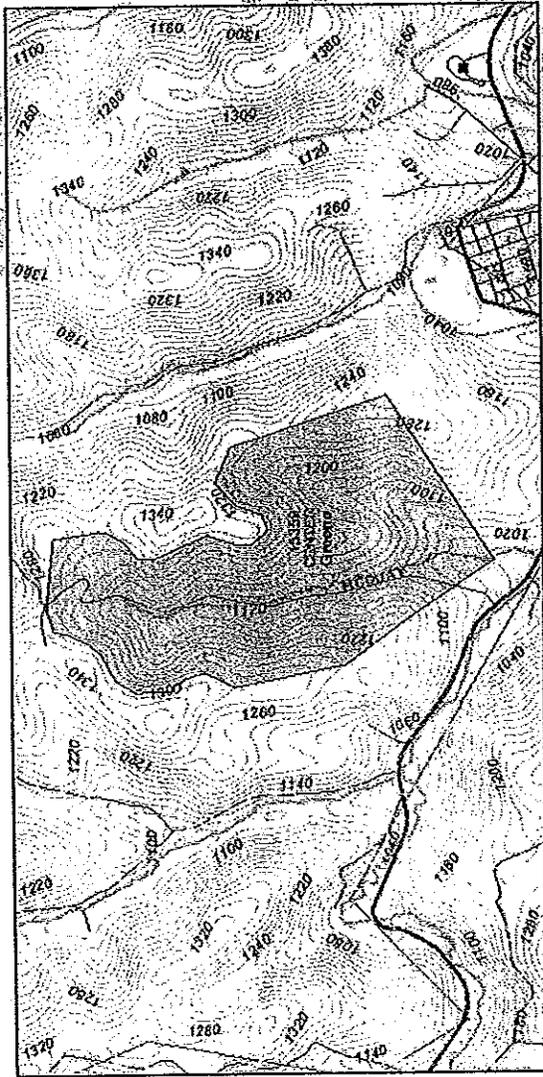
PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

Project Location



Project Name: R8
On Behalf Of: Private Individual
Project Search ID: 20080825156399
Date: 8/25/2008 11:37:53 AM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Game Commission,
Pennsylvania Fish and Boat Commission
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.87996 N, -80.288 W
Degrees Minutes Seconds: 39° 52' 47.9" N, 80° 17' 16.8" W
Lambert: -642135.5168752, 332114.72460937 ft
ZIP Code: 15359
County: Greene
Township/Municipality: CENTER
USGS 7.5 Minute Quadrangle ID: 791
Quadrangle Name: ROGERSVILLE
Project Area: 346.6 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Game Commission,
Pennsylvania Fish and Boat Commission

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

email the project information. The search results provided by this review are specific to species of special concern. The Pennsylvania Game Commission reserves the right to comment on additional aspects of this project (Ex. wetland or stream impacts).

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Bellevonte, PA 16823

Please mail only one (1) copy of the project review request. Do not email the project information. Allow 30 days for completion of the project review from the date of PFBC receipt of the project review request.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended, 16 U.S.C. 1531 et seq.) is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Bureau of Land Management
Pennsylvania Game Commission
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
FAX Number: (717) 787-6957

Please mail or fax only one (1) copy of the project review request. Do not

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156399

Project Name: R8

Date: 8/25/2008 11:37:58 AM

response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

DISCLAIMER

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PRIVACY and SECURITY

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TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

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This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

PNLJ1 Project Environmental Review Receipt

Project Search ID: 20080825156399
Project Name: R8
Date: 8/25/2008 11:37:58 AM

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: [Signature]

Date: 8-25-08

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: BEAD ROMAN

Address: 4301 DUTCH RIDGE ROAD

City, State, Zip: BEAVER PA 15005

Phone: 724-495-4241

Email: broman@beadbeaverpa.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Bureau of Land Management
Pennsylvania Game Commission
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
FAX Number: (717) 787-6957

Natural Diversity Section
Pennsylvania Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane
Belleville, PA 16823



Refuse Site R8

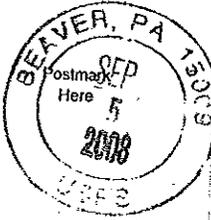
SCALE: 1:1000 S.O. NO. 113672
DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation
4301 Dutch Ridge Road
Beaver, Pennsylvania 15009

SHEET NO.
1
OF 1

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <i>T. Alexander</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: <div style="border: 1px solid black; padding: 5px; text-align: center;"> Natural Diversity Section PA Fish and Boat Commission Division of Environmental Services 450 Robinson Lane Bellefonte, PA 16823 </div>		B. Received by (Printed Name) <i>T. Alexander</i> C. Date of Delivery	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type: <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
		7007 0710 0001 3166 9451	
PS Form 3811, February 2004		Domestic Return Receipt	
		102595-02-M-15-0	

U.S. Postal Service [™]	
CERTIFIED MAIL[™] RECEIPT <i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$ _____ Certified Fee _____ Return Receipt Fee (Endorsement Required) _____ Restricted Delivery Fee (Endorsement Required) _____ Total Postage & Fees \$ _____	
Sent To Natural Diversity Section PA Fish and Boat Commission Division of Environmental Services 450 Robinson Lane Bellefonte, PA 16823	
PS Form 3800, August 2000	

7007 0710 0001 3166 9451



Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175
September 17, 2008

IN REPLY REFER TO
SIR# 29732

CHARLES MCCRADY
BAKER
4301 DUTCH RIDGE ROAD
BEAVER, PA 15009

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 20080825156399
R8 ALTERNATE 5
CENTER Township, GREENE County, Pennsylvania

Dear Mr. MCCRADY:

I have examined the map accompanying your recent correspondence, which shows the location for the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files, rare or protected freshwater mussel species are known from the vicinity of the project area.

These rare and protected freshwater mussel species are known from the waterway near the project site. No erosion or sediment should be allowed to enter into the waterway (e.g., strict E&S control measures need to be employed). No release of toxic or harmful chemicals should be discharged into the waterway. Provided that these recommendations are followed, as well as best management practices and an approved strict erosion/sedimentation control plan is maintained, then I do not anticipate the proposed activity to have any significant adverse impacts to the freshwater mussel species or any other rare or protected species under Pennsylvania Fish & Boat Commission jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this correspondence, please contact Nevin Welte at (814) 359-5234 and refer to the SIR number at the top of this letter. Thank you for your cooperation and attention to this matter of endangered species conservation and habitat protection.

Sincerely,

Christopher A. Urban, Chief
Natural Diversity Section

CAU/NW/mr

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

CERTIFIED MAIL# 7005 2570 0000 4038 6951

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R11
PNDI Search Impacts
Jackson Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070105071161) that was conducted on January 5, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Jackson Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R11 is 220 acres and is located in Jackson Township on the Holbrook quadrangle.

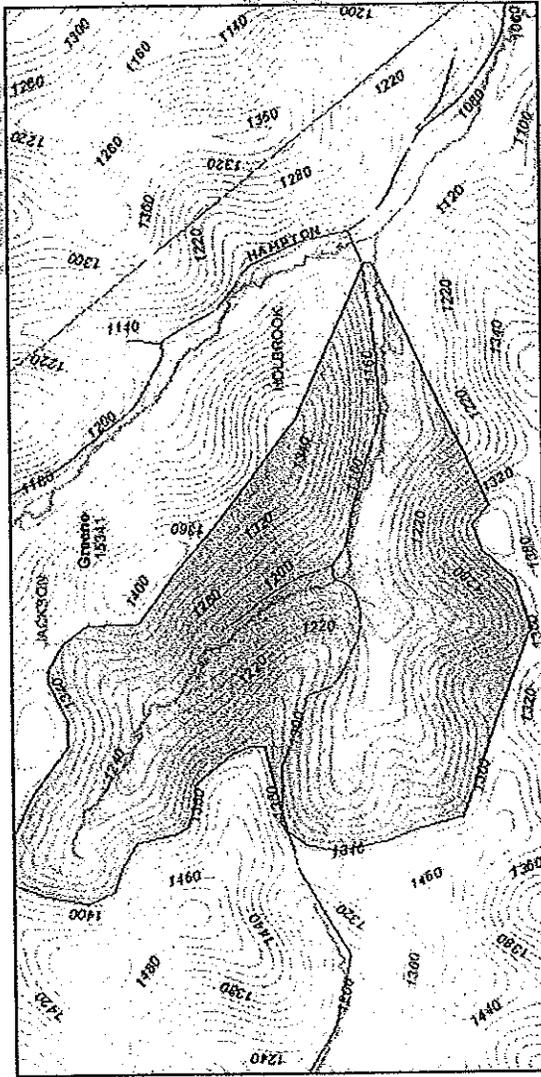
PNDI Project Environmental Review Receipt

Project Search ID: 20080825156404

Project Name: R11

Date: 8/25/2008 11:53:39 AM

Project Location



Project Name: R11

On Behalf Of: Private Individual

Project Search ID: 20080825156404

Date: 8/25/2008 11:53:33 AM

of Potential Impacts: 2

Jurisdictional Agency:

Pennsylvania Department of Conservation and Natural Resources

Project Category: Mining, Coal (strip, deep, long-wall, refuse, disposal)

Project Location

Decimal Degrees: 39.85921 N, -80.34062 W

Degrees Minutes Seconds: 39° 51' 33.4" N, 80° 20' 24.1" W

Lambert: -660104.94053644, 322503.50648539 ft

ZIP Code: 15341

County: Greene

Township/Municipality: JACKSON

USGS 7.5 Minute Quadrangle ID: 835

Quadrangle Name: HOLBROOK

Project Area: 274.6 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156404
Project Name: R11
Date: 8/25/2008 11:53:39 AM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

2 potential impacts

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156404
Project Name: R11
Date: 8/25/2008 11:53:39 AM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 4030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

APPLICANT

PNL1 Project Environmental Review Receipt
Project Search ID: 20080825156404
Project Name: R11
Date: 8/25/2008 11:53:39 AM

FAX Number: (717) 772-0271

Contact Name: BRAD RUMAN
Address: 4301 DUTCH RIDGE ROAD
City, State, Zip: BEAVER, PA 15009
Phone: 724 - 495 - 4241
Email: bruman@m.bakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



Refuse Site R11

SCALE: 1:1000 S.O. NO. 113672

DATE: 09/05/2008 FILE:



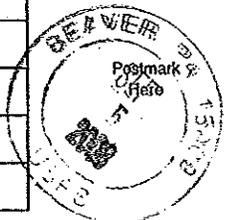
Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation
4301 Dutch Ridge Road
Beaver, Pennsylvania 15009

SHEET NO.

1

OF 1

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <i>[Handwritten Signature]</i> <input checked="" type="checkbox"/> Addressee
1. Article Addressed to: <div style="border: 1px solid black; padding: 5px; text-align: center;"> Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552 </div>	B. Received by / (Printed Name) <i>[Handwritten Name]</i> SEP 09 2008
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? If YES, enter delivery address below: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
7005 2570 0000 4038 6953	
Domestic Return Receipt 102595-02/M:1640	

U.S. Postal Service CERTIFIED MAILTM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage \$ Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$	
Sent To Street, Apt or PO Box City, State	Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552

7005 2570 0000 4038 6953



Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

September 24, 2008

Charles McCrady, E.L.T.

Michael Baker Jr., Inc.

FAX: 724-495-4017 (hard copy will NOT follow)

Pennsylvania Natural Diversity Inventory Review, PNDI Number 20080825156404
Foundation Mine Refuse Area R11 alternate 6(update for PNDI # 71161 Refuse Area R4)
Jackson Twp.; Greene County

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

POTENTIAL PROJECT IMPACT

Based on our PNDI map review we determined potential impacts to species and/or resources of special concern. Therefore, further coordination with this office is necessary to avoid potential impacts to the above listed resources.

Please provide the following information so that a more accurate determination can be made:

A survey for the following should be conducted at the appropriate time of year by a qualified botanist:

Plant species of special concern:

Stachys nuttallii (PA Endangered)—wooded mountain slopes; flowers June-July

Lepidopteran species of special concern (butterflies):

Amblyscirtes vialls Common Roadside Skipper (Imperiled in PA)—open areas in or near woodlands, often close to streams. Host plants include *Avena*, *Agrostis*, *Poa*, *Cynodon dactylon*, and *Chasmanthum latifolia*.

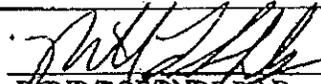
If the land type(s) does not exist on site, a survey will not be necessary. If the land cover listed above is not on site, please submit a report to our office informing us that the habitat is not onsite and describe the current land cover and species found on the site.

If the habitat is present, please have the botanist fill out the field survey form: www.naturalheritage.state.pa.us/InternetFieldSurveyForm.pdf. The botanist may contact us prior to the survey for additional information. All PA listed species should be searched for during the site visit and occurrences reported to our office. Survey results should be submitted to our office for review and comment. Mitigation measures and monitoring may be requested if species or communities of special concern are found on or adjacent to site. If you need a list of qualified surveyors, contact our office.

COMMENTS: Please conduct a survey for *Stachys nuttallii* and the host species of *Amblyscirtes vialls*. Please note the flowering times and habitat types of the listed species and have a qualified botanist conduct the survey during the appropriate time of year.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

 Richard L. Shockey, Environmental Review Specialist
 DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-772-0263 ~ F: 717-772-0271 ~ c-rshockey@state.pa.us

Stewardship

Partnership

Service



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 4, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

CERTIFIED MAIL# 7005 2570 0000 4038 6968

Subject: Site Selection for Foundation Mine Refuse Disposal Site – Refuse Area R19
PNDI Search Impacts
Jackson & Center Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt. The project location that was submitted to the PNDI search indicates that there is a potential impact within the project area. This PNDI search is to renew an expired PNDI file (#20070829107595) that was conducted on August 29, 2007 for the same area that is shown in this PNDI search. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

Mr. Larry Emerson

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Jackson Township
Center Township
Greene County, PA**

Foundation Mining, LP (FDMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FDMLP. If the site(s) identified within FDMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FDMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site R19 is 562 acres and is located in Jackson and Center Township on the Holbrook quadrangle.

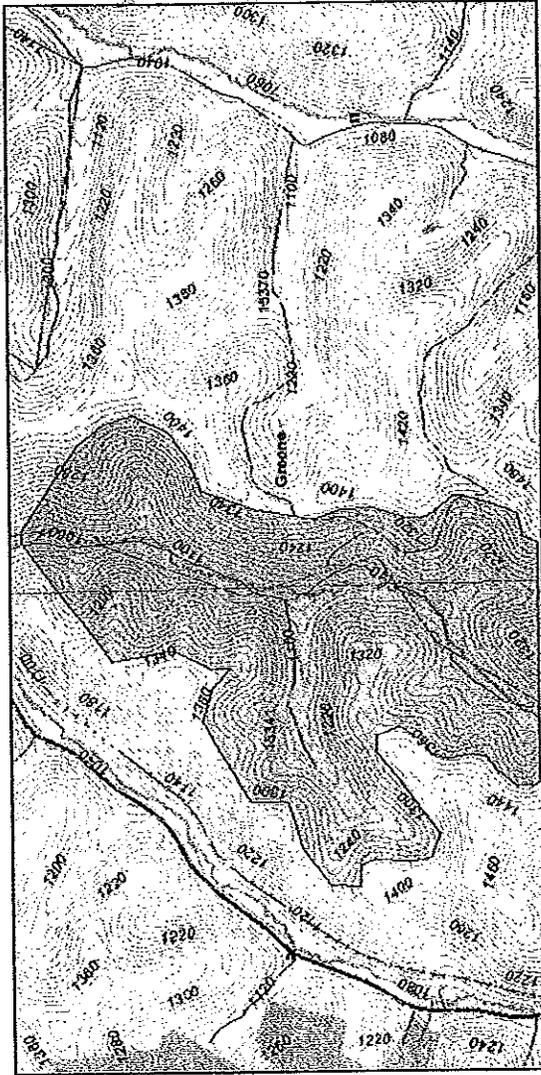
PNDI Project Environmental Review Receipt

Project Search ID: 20080825156449

Project Name: R19a

Date: 8/25/2008 1:37:02 PM

Project Location



Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

1 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

Project Name: R19a
On Behalf Of: Private Individual
Project Search ID: 20080825156449
Date: 8/25/2008 1:36:57 PM
of Potential Impacts: 1
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.84133 N, -80.31429 W
Degrees Minutes Seconds: 39° 50' 28.8" N, 80° 18' 51.5" W
Lambert: -651265.33908162, 311232.26836870 ft
ZIP Code: 15341, 15370
County: Greene
Township/Municipality: CENTER JACKSON
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 548.6 acres

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156449

Project Name: R19a

Date: 8/25/2008 1:37:02 PM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

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The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156449
Project Name: R19a
Date: 8/25/2008 1:37:02 PM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

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This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

APPLICANT

PNL1 Project Environmental Review Receipt

Project Search ID: 20080825156449
Project Name: R19a
Date: 8/25/2008 1:37:02 PM

FAX Number: (717) 772-0271

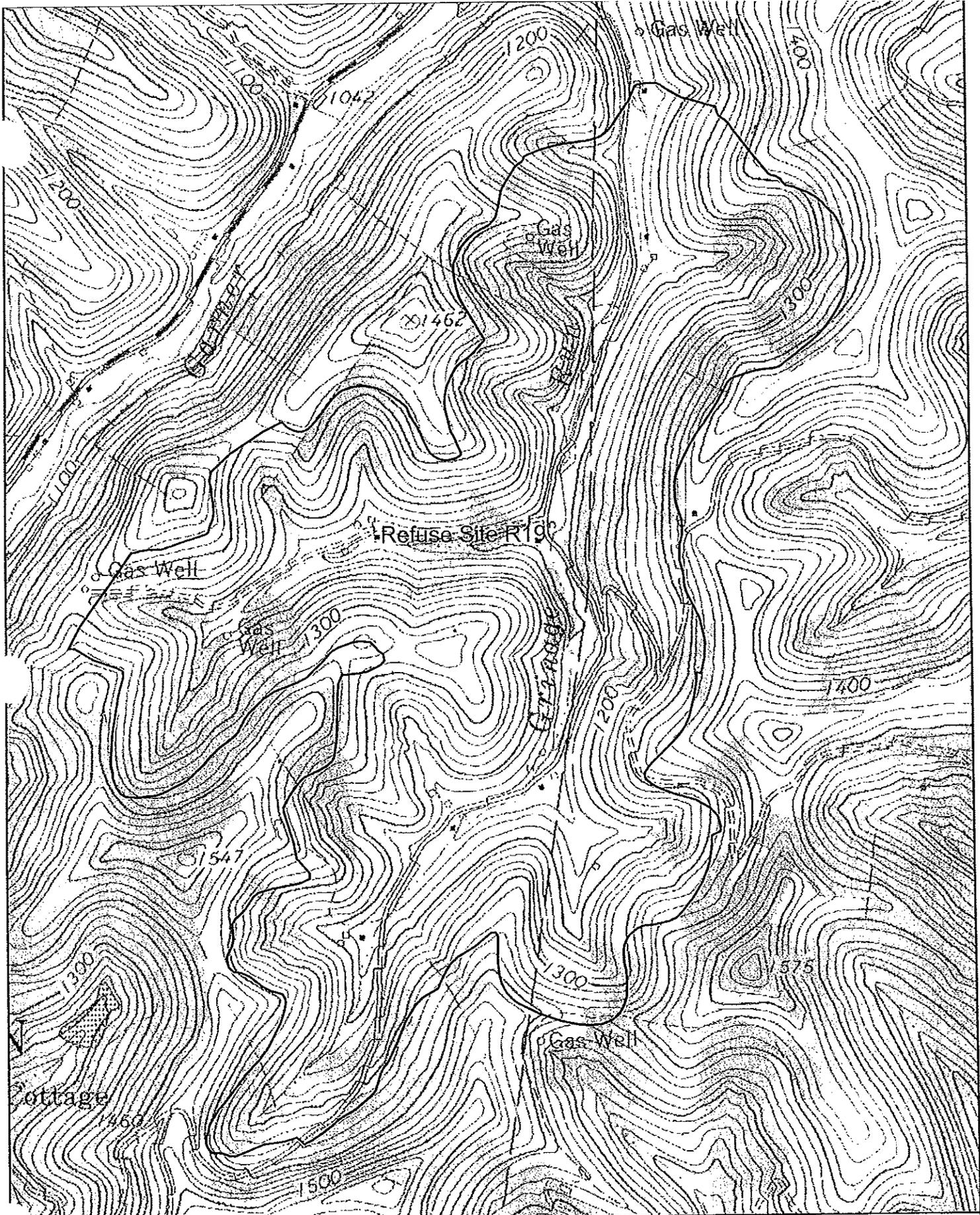
Contact Name: Bert Roman
Address: 4301 DUTCH RIDGE ROAD
City, State, Zip: BEAVER PA 15009
Phone: 724-495-4241
Email: brroman@robakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



Refuse Site R19

SCALE: 1:1000 S.O. NO. 113672
 DATE: 09/05/2008 FILE:



Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 4301 Dutch Ridge Road
 Beaver, Pennsylvania 15009

SHEET NO.
 1
 OF 1

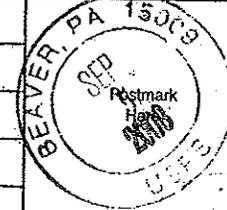
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent Addressee <i>[Signature]</i> <input type="checkbox"/> Agent Addressee</p> <p>B. Received by (Printed Name) <i>[Name]</i> Date of Delivery SEP 09 2008</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number: (Transfer from service label)</p>	<p>7005 2570 0000 4038 6968</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

U.S. Postal Service
CERTIFIED MAIL RECEIPT
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For delivery information, visit our website at www.usps.com

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$



<p>Sent To</p> <p>Street, Ap or PO Box</p> <p>City, State</p>	<p>Ecological Services Section PA Dept. of Conservation & Natural Resources Bureau of Forestry PO Box 8552 Harrisburg, PA 17105-8552</p>
---	--

PS Form 3811, February 2004

7005 2570 0000 4038 6968



Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry

September 23, 2008

Charles McCrady, E.I.T.

FAX: 724-495-4017 (hard copy will NOT follow)

<i>Pennsylvania Natural Diversity Inventory Review, PNDI Number</i>	20080825156449
R19a - Alternate 7 (Mine Refuse Disposal Site)	
Jackson/Center Twps.; Greene County	

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

NO PROJECT IMPACT ANTICIPATED

KNOWN OCCURRENCES, HOWEVER, NO IMPACT ANTICIPATED

PNDI records indicate PA State-listed special concern species or resources are located in the vicinity of the project. However, based on the information submitted to us concerning the nature of the project, the immediate location, and our detailed resource information, we determined that no impact is likely. No further coordination with DCNR is needed for this project.

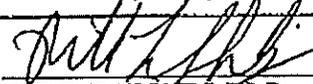
CONSERVATION MEASURE - VOLUNTARY ACTION

Based on our PNDI map review we determined potential impacts to a Proposed PA State-listed species and/or resources of special concern and have suggested a Conservation Measure to minimize the impact of the project on ecological resources. Further coordination with this office is not necessary. Please try to avoid potential impacts to the below listed resources. This determination is based on proposed status, which may change when species regulatory statuses are updated.

COMMENTS: *Voluntary implementation of the following recommendations will contribute to the conservation and recovery of this species. *Amblyscirtes vialis* (Common Roadside Skipper Butterfly, Imperiled to Apparently Secure in PA) is a species in the vicinity which utilizes open areas in or near woodlands, often close to streams. Their larvae use host plants of various grasses including wild oats (*Avena*), bent grass (*Agrostis*), bluegrass (*Poa*), Bermuda grass (*Cynodon dactylon*), and Indian woodoats grass (*Chasmanthium latifolia*). These skippers prefer nectar from low-growing blue flowers including verbena and selfheal. Some suggestions include implementing a 100-300 ft. no-disturbance buffer around stream banks and avoiding disturbing open areas within woodlands near streams as well as their host plants. Please consider using native species when re-seeding. (<http://www.dcnr.state.pa.us/FORESTRY/wildplant/invasive.aspx>)

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us

 Richard L. Shockey, Environmental Review Specialist
DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-772-0263 ~ F: 717-772-0271 ~ c-rshockcy@state.pa.us

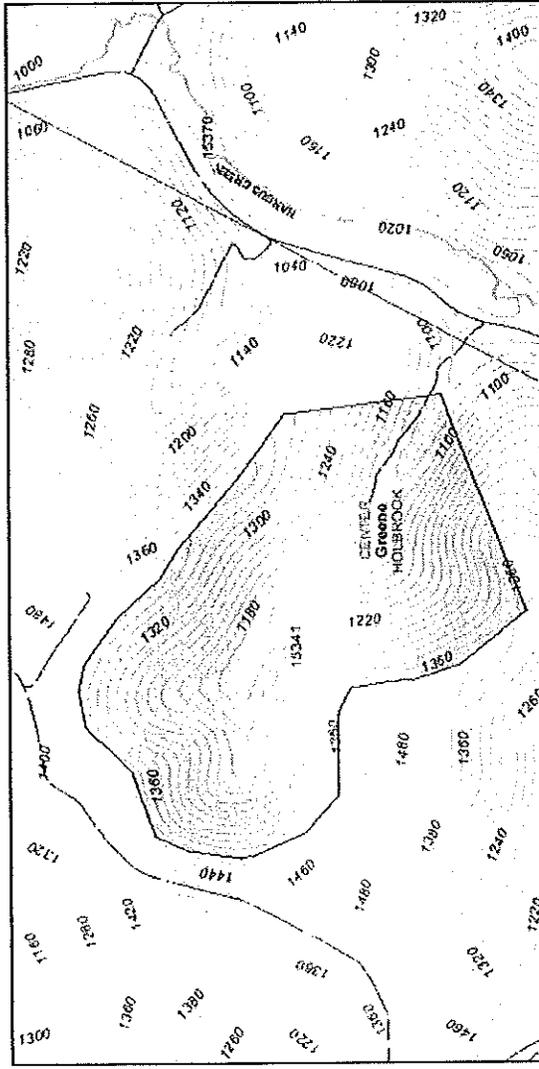
PNL Project Environmental Review Receipt

Project Search ID: 20080825156457

Project Name: R21

Date: 8/25/2008 1:51:43 PM

Project Location



Project Name: R21

On Behalf Of: Private Individual

Project Search ID: 20080825156457

Date: 8/25/2008 1:51:38 PM

of Potential Impacts: 0

Jurisdictional Agency:

Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)

Project Location

Decimal Degrees: 39.84687 N, -80.28879 W

Degrees Minutes Seconds: 39° 50' 48.7" N, 80° 17' 19.7" W

Lambert: -644342.25324183, 318037.98523547 ft

ZIP Code: 15341

County: Greene

Township/Municipality: CENTER

USGS 7.5 Minute Quadrangle ID: 835

Quadrangle Name: HOLBROOK

Project Area: 151.8 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

0 Known Impacts

Under the Following Agencies' Jurisdiction:
None

PNDI Project Environmental Review Receipt

Project Search ID: 20080825156457

Project Name: R21

Date: 8/25/2008 1:51:43 PM

Pennsylvania Natural Diversity Inventory (PNDI) records do **NOT** indicate any known impacts on special concern species and resources within the project area. DEP requires a signed copy of this receipt with permit applications being submitted as indication that an environmental review has been conducted and completed. See DEP PNDI policy at www.naturalheritage.state.pa.us for more information.

Based on the information you provided, no further coordination is required by the Pennsylvania Game Commission, the Pennsylvania Fish and Boat Commission, or the Pennsylvania Department of Conservation and Natural Resources with regard to special concern species, natural communities, or outstanding geologic features. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Based on the project-specific information you provided, no impacts to federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

These determinations were based on the project-specific information you

provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

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PNL Project Environmental Review Receipt

Project Search ID: 20080825156457

Project Name: R21

Date: 8/25/2008 1:51:43 PM

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Print this Project Review Receipt using your internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

APPLICANT

Contact Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

PNL Project Environmental Review Receipt

Project Search ID: 20080825156457

Project Name: R21

Date: 8/25/2008 1:51:43 PM

Baker

Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 1
PNDI Search Impacts
Jackson Township, Greene County, PA

To whom it may concern:

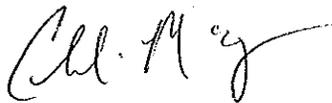
Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there are two potential impacts within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.
Civil Associate II

Enclosures

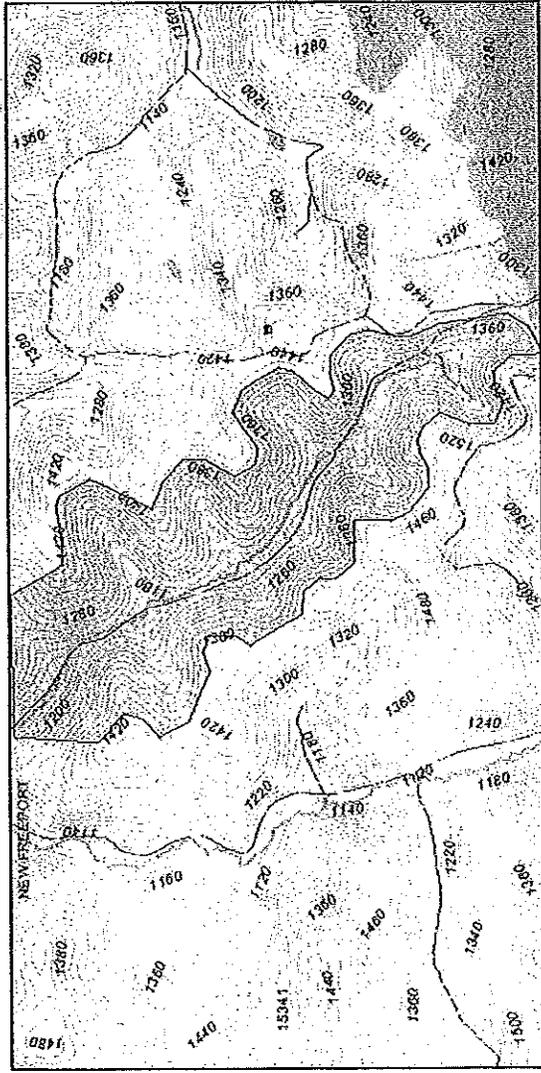
**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Jackson Township
Greene County, PA**

Foundation Mining, LP (FMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FMLP. If the site(s) identified within FMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site 1 is 412.7 acres and is located in Jackson Township on the Holbrook and New Freeport quadrangles.

PN_{L1} Project Environmental Review Receipt
Project Search ID: 20080601143206
Project Name: Site 1
Date: 6/1/2008 1:28:08 PM

Project Location



Project Name: Site 1
On Behalf Of: Private Individual
Project Search ID: 20080601143206
Date: 6/1/2008 1:28:03 PM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.83256 N, -80.36186 W
Degrees Minutes Seconds: 39° 49' 57.2" N, 80° 21' 42.7" W
Lambert: -665801.29327053, 316589.40538858 ft
ZIP Code: 15341
County: Greene
Township/Municipality: JACKSON
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 457.9 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

PNL1 Project Environmental Review Receipt

Project Search ID: 20080601143206

Project Name: Site 1

Date: 6/1/2008 1:28:08 PM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one(1) year from the date of this PNDI Project Environmental Review Receipt.

2 potential impacts

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

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Page 2 of 4 APPLICANT INITIALS: CEM

PNL1 Project Environmental Review Receipt

Project Search ID: 20080601143206

Project Name: Site 1

Date: 6/1/2008 1:28:08 PM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

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In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: 

Date: 6/2/08

Project applicant on whose behalf this search was conducted:

APPLICANT

PNL1 Project Environmental Review Receipt

Project Search ID: 20080601143206

Project Name: Site 1

Date: 6/1/2008 1:28:08 PM

FAX Number: (717) 772-0271

Contact Name: Chuck McCrady
Address: 4301 Dutch Ridge Rd.
City, State, Zip: Beaver, PA 15009
Phone: 724-495-4260
Email: cmccrady@mbmakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



PNDI - SITE 1

SCALE: 1" = 2000' S.O. NO. 113672
DATE: JUNE 2008



MICHAEL BAKER JR., INC.
CONSULTING ENGINEERS
BEAVER, PENNSYLVANIA

SHEET
1
OF 1

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO.	0203
DESTINATION ADDRESS	917177720271
PSWD/SUBADDRESS	
DESTINATION ID	
ST. TIME	06/02 14:29
USAGE T	04' 07
PGS.	7
RESULT	OK



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 1
PNDI Search Impacts
Jackson Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there are two potential impacts within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

A handwritten signature in cursive script, appearing to read "Ch. McCordy".

Charles McCordy, P.E.



Bureau of Forestry

July 3, 2008

Charles McCrady, E.I.T.

Michael Baker Jr., Inc.

FAX: 724.495.4017 (hard copy will NOT follow—page 1 of 2)

Pennsylvania Natural Diversity Inventory Review, PNDI Numbers:

Site Selection for Foundation Mine Refuse Disposal:

- Site 1 (Jackson Township, Greene County) 20080601143206
- Site 2 (Richhill Township, Greene County) 20080601143210
- Site 5 (Aleppo & Jackson Townships, Greene County) 20080601143213

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

POTENTIAL PROJECT IMPACT

Based on our PNDI map review we determined potential impacts to species and/or resources of special concern. Therefore, further coordination with this office is necessary to avoid potential impacts to the above listed resources.

Please provide the following information so that a more accurate determination can be made:

A survey for the following should be conducted at the appropriate time of year by a qualified botanist:

Please refer to attached species list.

If the land type(s) does not exist on site, a survey will not be necessary. If the land cover listed above is not on site, please submit a report to our office informing us that the habitat is not onsite and describe the current land cover and species found on the site.

If the habitat is present, please have the botanist fill out the field survey form: www.naturalheritage.state.pa.us/InternetFieldSurveyForm.pdf

The botanist may contact us prior to the survey for additional information. All PA listed species should be searched for during the site visit and occurrences reported to our office. Survey results should be submitted to our office for review and comment. Mitigation measures and monitoring may be requested if species or communities of special concern are found on or adjacent to site. If you need a list of qualified surveyors, contact our office.

COMMENTS: Please have a qualified botanist survey at the appropriate time of year for each species in its potential habitat. Please use the survey form accessed from the website listed above.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Nicole Habecker, Environmental Review Specialist

DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-705-2823 ~ F: 717-772-0271 ~ c-ncrbari@state.pa.us

Stewardship

Partnership

Service



Species of Concern for Mine Refuse Projects -143206, -143210, -143213:

Scientific Name	Common Name	Status	Habitat	Flwr/Frt
<i>Ablyscirtes vialis*</i>	Common Roadside-Skipper	S2S4	open areas near woodlands, often by streams	Flies once March-July
<i>Helianthus microcephalus**</i>	Small Wood Sunflower	N/TU	upland woods, rocky slopes, dry roadside banks	August - October
<i>Penstemon laevigatus**</i>	Beard-Tongue	N/TU	dry, rocky wooded slopes	N/A
<i>Polymnia uvedalia</i>	Leaf-Cup	N/PT	ravines, thickets, river/stream banks	July - September
<i>Stachys nuttallii</i>	Nuttall's Hedge-Nettle	PE/PE	wooded mountain slopes	August - September

* The Common-Roadside Skipper is an invertebrate whose larvae can be found on various grasses, such as wild oats, bentgrass, and bluegrasses. The adult moths are associated with nectar from low-growing blue flowers such as selfheal. The adults in flight will mate and lay eggs from March through July.

** These species are not ranked, and more research is needed before their status is determined. For now, we are requesting a voluntary conservation measure for these species throughout the project. Please still include these plants in the survey. Contact our office for more information, if needed.



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 2
PNDI Search Impacts
Richhill Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there is one potential impact within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

A handwritten signature in black ink, appearing to read "C. McCrady". The signature is fluid and cursive, written over a white background.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

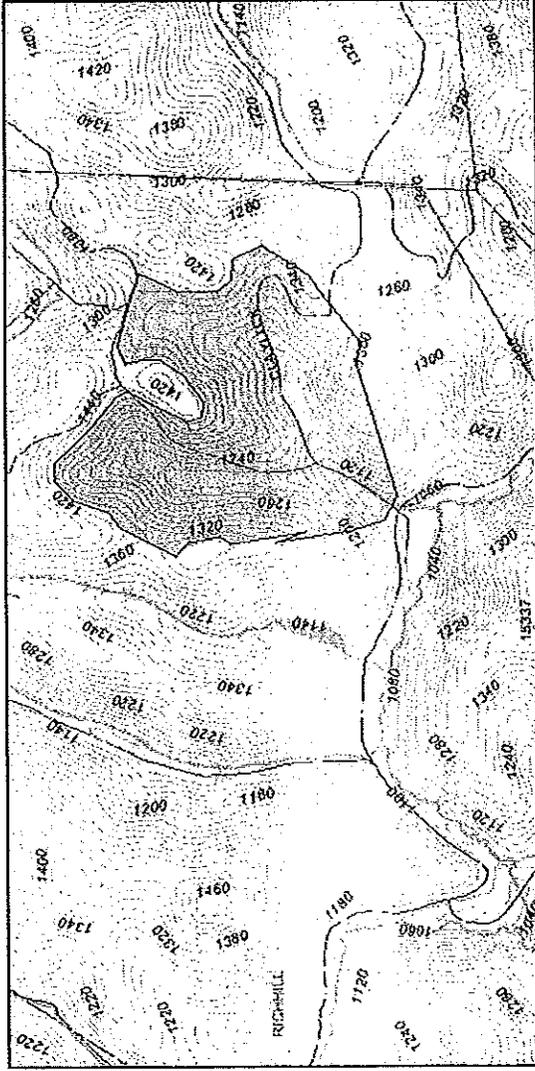
**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Richhill Township
Greene County, PA**

Foundation Mining, LP (FMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste rock) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FMLP. If the site(s) identified within FMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site 2 is 295.2 acres and is located in Richhill Township on the New Freeport and Wind Ridge quadrangles.

PN-1 Project Environmental Review Receipt
Project Search ID: 20080601143210
Project Name: Site 2
Date: 6/1/2008 1:35:42 PM

Project Location



Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

1 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

Project Name: Site 2
On Behalf Of: Self
Project Search ID: 20080601143210
Date: 6/1/2008 1:35:37 PM
of Potential Impacts: 1
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.8766 N; -80.39713 W;
Degrees Minutes Seconds: 39° 52' 35.8" N; 80° 23' 49.7" W
Lambert: -671146.10804810, 329555.09145146 ft
ZIP Code: 15337
County: Greene
Township/Municipality: RICH HILL
USGS 7.5 Minute Quadrangle ID: 789
Quadrangle Name: WIND RIDGE
Project Area: 312.2 acres

PNDI Project Environmental Review Receipt

Project Search ID: 20080601143210

Project Name: Site 2

Date: 6/1/2008 1:35:42 PM

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

1 potential impact

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources

Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

TERMS OF USE

Upon signing into the PNDI environmental review website, and as a condition of using it, you agreed to certain terms of use. These are as follows:

The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:

PNHP Project Environmental Review Receipt

Project Search ID: 20080601143210

Project Name: Site 2

Date: 6/1/2008 1:35:42 PM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomerNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: _____

Date: _____

Project applicant on whose behalf this search was conducted:

APPLICANT

PNL1 Project Environmental Review Receipt

Project Search ID: 20080601143210

Project Name: Site 2

Date: 6/1/2008 1:35:42 PM

FAX Number: (717) 772-0271

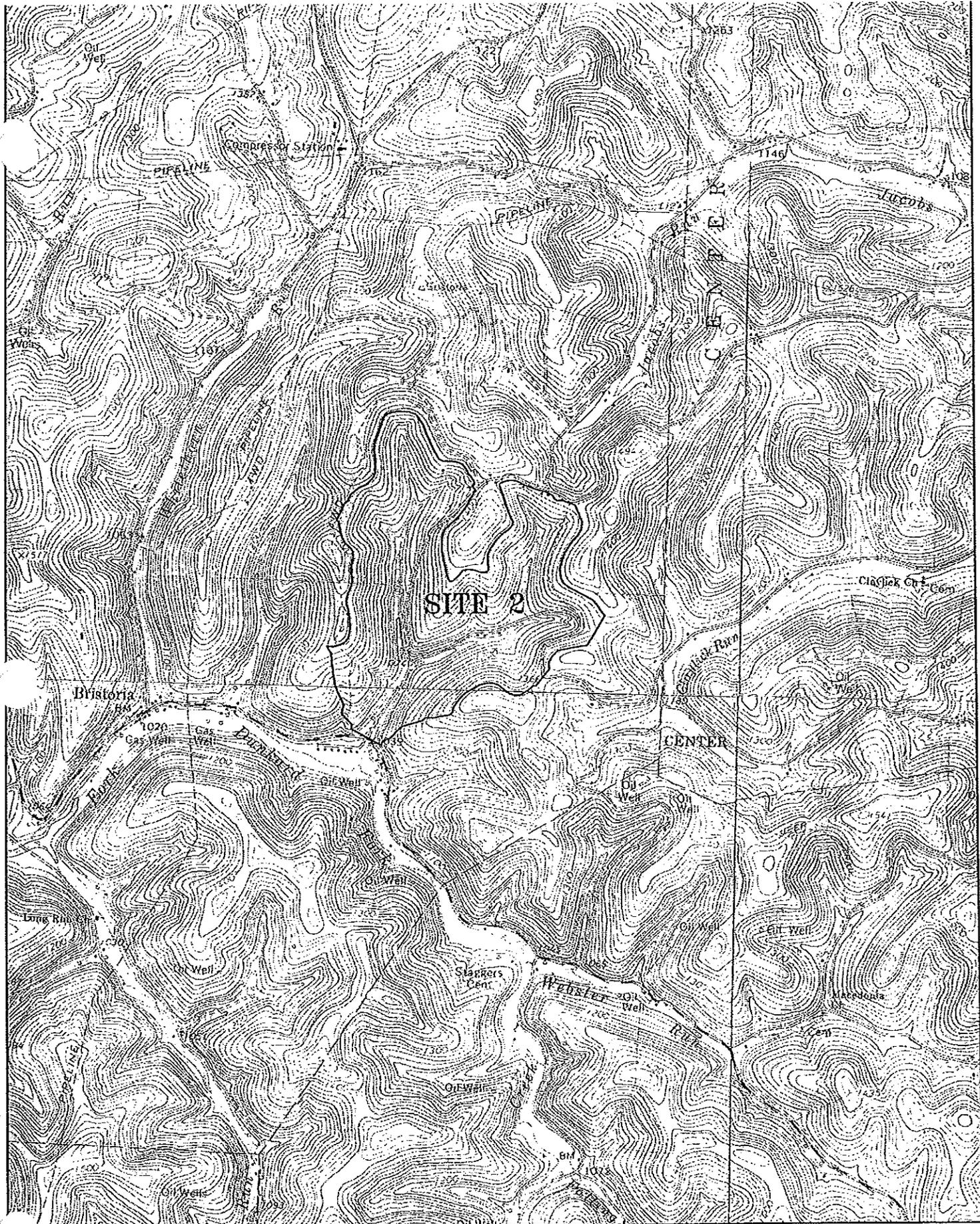
Contact Name: Chuck McCrady
Address: 4201 Dutch Ridge Rd.
City, State, Zip: Beaver, PA 15009
Phone: 724-495-4262
Email: cmccrady@mbakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



SITE 2

PNDI - SITE 2

SCALE: 1" = 2000' S.O. NO. 113672
 DATE: JUNE 2008



MICHAEL BAKER JR., INC.
 CONSULTING ENGINEERS
 BEAVER, PENNSYLVANIA

SHEET
 1
 OF 1

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO.	0204
DESTINATION ADDRESS	917177720271
PSWD/SUBADDRESS	
DESTINATION ID	
ST. TIME	06/02 14:33
USAGE T	04' 03
PGS.	7
RESULT	OK



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 2
PNDI Search Impacts
Richhill Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there is one potential impact within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

A handwritten signature in cursive script, appearing to read "Chas. McCordy".

Charles McCordy, P.E.



Bureau of Forestry

July 3, 2008

Charles McCrady, E.I.T.

Michael Baker Jr., Inc.

FAX: 724.495.4017 (hard copy will NOT follow—page 1 of 2)

Pennsylvania Natural Diversity Inventory Review, PNDI Numbers:

Site Selection for Foundation Mine Refuse Disposal:

- Site 1 (Jackson Township, Greene County) 20080601143206
- Site 2 (Richhill Township, Greene County) 20080601143210
- Site 5 (Aleppo & Jackson Townships, Greene County) 20080601143213

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

POTENTIAL PROJECT IMPACT

Based on our PNDI map review we determined potential impacts to species and/or resources of special concern. Therefore, further coordination with this office is necessary to avoid potential impacts to the above listed resources.

Please provide the following information so that a more accurate determination can be made:

A survey for the following should be conducted at the appropriate time of year by a qualified botanist:

Please refer to attached species list.

If the land type(s) does not exist on site, a survey will not be necessary. If the land cover listed above is not on site, please submit a report to our office informing us that the habitat is not onsite and describe the current land cover and species found on the site.

If the habitat is present, please have the botanist fill out the field survey form: www.naturalheritage.state.pa.us/InternetFieldSurveyForm.pdf.

The botanist may contact us prior to the survey for additional information. All PA listed species should be searched for during the site visit and occurrences reported to our office. Survey results should be submitted to our office for review and comment. Mitigation measures and monitoring may be requested if species or communities of special concern are found on or adjacent to site. If you need a list of qualified surveyors, contact our office.

COMMENTS: Please have a qualified botanist survey at the appropriate time of year for each species in its potential habitat. Please use the survey form accessed from the website listed above.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Nicole Habecker, Environmental Review Specialist

DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-705-2823 ~ F: 717-772-0271 ~ c.ncribari@state.pa.us

Stewardship

Partnership

Service



Species of Concern for Mine Refuse Projects -143206, -143210, -143213:

Scientific Name	Common Name	Status	Habitat	Flwr/Frt
<i>Ablyscirtes vialis</i> *	Common Roadside-Skipper	S2S4	open areas near woodlands, often by streams	Flies once March-July
<i>Helianthus microcephalus</i> **	Small Wood Sunflower	N/TU	upland woods, rocky slopes, dry roadside banks	August - October
<i>Penstemon laevigatus</i> **	Beard-Tongue	N/TU	dry, rocky wooded slopes	N/A
<i>Polymnia uvedalia</i>	Leaf-Cup	N/PT	ravines, thickets, river/stream banks	July - September
<i>Stachys nuttallii</i>	Nuttall's Hedge-Nettle	PE/PE	wooded mountain slopes	August - September

* The Common-Roadside Skipper is an invertebrate whose larvae can be found on various grasses, such as wild oats, bentgrass, and bluegrasses. The adult moths are associated with nectar from low-growing blue flowers such as selfheal. The adults in flight will mate and lay eggs from March through July.

** These species are not ranked, and more research is needed before their status is determined. For now, we are requesting a voluntary conservation measure for these species throughout the project. Please still include these plants in the survey. Contact our office for more information, if needed.



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 3
PNDI Search Impacts
Jackson Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there are two potential impacts within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

A handwritten signature in black ink, appearing to read "Ch. McCrady". The signature is fluid and cursive, written over a white background.

Charles McCrady, E.I.T.
Civil Associate II

Enclosures

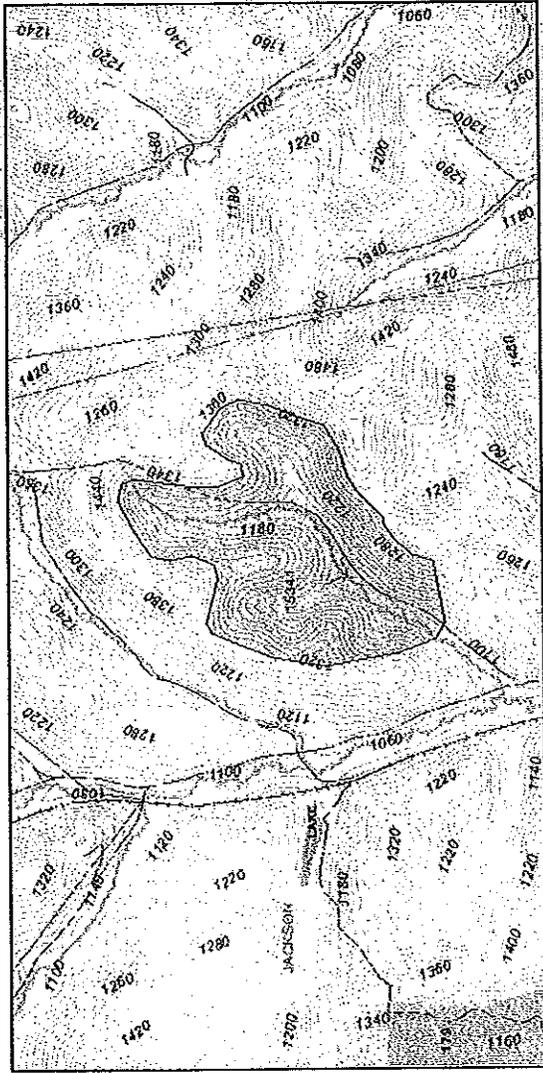
**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Jackson Township
Greene County, PA**

Foundation Mining, LP (FMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FMLP. If the site(s) identified within FMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The approximate area that will be impacted by Site 3 is 198.3 acres and is located in Jackson Township on the Holbrook quadrangle.

PN₁₂₁ Project Environmental Review Receipt
Project Search ID: 20080601143211
Project Name: Site 3
Date: 6/1/2008 1:42:35 PM

Project Location



Project Name: Site 3
On Behalf Of: Self
Project Search ID: 20080601143211
Date: 6/1/2008 1:42:30 PM
of Potential Impacts: 2
Jurisdictional Agency:
Pennsylvania Department of Conservation and Natural Resources
Project Category: Mining, Coal (strip, deep, long-wall, refuse disposal)
Project Location
Decimal Degrees: 39.78328 N, -80.31734 W
Degrees Minutes Seconds: 39° 46' 59.8" N, 80° 19' 2.4" W
Lambert: -649754.07409436, 295583.40908969 ft
ZIP Code: 15341
County: Greene
Township/Municipality: JACKSON
USGS 7.5 Minute Quadrangle ID: 835
Quadrangle Name: HOLBROOK
Project Area: 232.9 acres

Location Accuracy

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

2 Potential Impacts

Under the Following Agencies' Jurisdiction:
Pennsylvania Department of Conservation
and Natural Resources

PNDI Project Environmental Review Receipt

Project Search ID: 20080601143211

Project Name: Site 3

Date: 6/1/2008 1:42:35 PM

Pennsylvania Natural Diversity Inventory (PNDI) records indicate there are potential impacts on special concern species and resources within the project area. If the project is pursued, the jurisdictional agency/agencies indicated require that the instructions below regarding potential impacts and/or avoidance measures be followed in their entirety.

These determinations were based on the project-specific information you provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the information you provided does not accurately reflect this project, or if project plans change, DEP and the jurisdictional agencies require that another PNDI review be conducted.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this PNDI Project Environmental Review Receipt.

2 potential impacts

The Applicant should MAIL/FAX a copy of this Project Environmental Review Receipt, a cover letter with project narrative, acreage to be impacted, how construction/maintenance activity is to be accomplished, township/municipality and county where project is located, and a USGS 7.5 minute quadrangle with project boundary and quad name marked on the map.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552
FAX Number: (717) 772-0271

Based on the project-specific information you provided, no impacts to

federally listed, proposed, or candidate species are anticipated. Therefore, no further consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required with the U.S. Fish and Wildlife Service. Because no take of federally listed species is anticipated, none is authorized. For a list of species that could occur in your project area (but have not been documented in PNDI), please see the county lists of threatened, endangered, and candidate species. A field visit or survey may reveal previously undocumented populations of one or more threatened or endangered species with a project area. If it is determined that any federally listed species occur in your project area, the U.S. Fish and Wildlife Service requires that you initiate consultation to identify and resolve any conflicts. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

DISCLAIMER

The PNDI environmental review website is a preliminary environmental screening tool. It is not a substitute for information obtained from a field survey of the project area conducted by a biologist. Such surveys may reveal previously undocumented populations of species of special concern. In addition, the PNDI only contains information about species occurrences that have actually been reported to the Pennsylvania Natural Heritage Program.

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The web site is intended solely for the purpose of screening projects for potential impacts on resources of special concern in accordance with the instructions provided on the web site. Use of the web site for any other purpose or in any other way is prohibited and subject to criminal prosecution under federal and state law, including but not limited to the following:

PNHP Project Environmental Review Receipt

Project Search ID: 20080601143211

Project Name: Site 3

Date: 6/1/2008 1:42:35 PM

Computer Fraud and Abuse Act of 1986, as amended, 18 U.S.C. Â§ 1030; Pennsylvania Crimes Code, Â§ 4911 (tampering with public records or information), Â§ 7611 (unlawful use of computer and other computer crimes), Â§ 7612 (disruption of service), Â§ 7613 (computer theft), Â§ 7614 (unlawful duplication), and Â§ 7615 (computer trespass).

The PNHP reserves the right at any time and without notice to modify or suspend the web site and to terminate or restrict access to it.

The terms of use may be revised from time to time. By continuing to use the web site after changes to the terms have been posted, the user has agreed to accept such changes.

This review is based on the project information that was entered. The jurisdictional agencies and DEP require that the review be redone if the project area, location, or the type of project changes. If additional information on species of special concern becomes available, this review may be reconsidered by the jurisdictional agency.

PRIVACY and SECURITY

This web site operates on a Commonwealth of Pennsylvania computer system. It maintains a record of each environmental review search result as well as contact information for the project applicant. These records are maintained for internal tracking purposes. Information collected in this application will be made available only to the jurisdictional agencies and to the Department of Environmental Protection, except if required for law enforcement purposes see paragraph below.

This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system consents to such monitoring and is advised that if such monitoring reveals evidence of possible criminal activity, system personnel may provide the evidence to law enforcement officials. See Terms of Use.

In order for this project to be considered for subsequent review, a signed and initialed copy of this receipt is required by the agency or agencies indicated. DEP requires that a signed and initialed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted in applications for permits requiring PNDI review. See DEP PNDI policy at www.naturalheritage.state.pa.us or visit the following websites for further information.

Regional Offices

[Http://www.dep.state.pa.us/dep/deputate/fieldsops/map.pdf](http://www.dep.state.pa.us/dep/deputate/fieldsops/map.pdf)

District Mining Operations

[Http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm](http://www.dep.state.pa.us/dep/deputate/minres/Districts/homepage/Default.htm)

Oil and Gas Management

[Http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm](http://www.dep.state.pa.us/dep/deputate/minres/OILGAS/CustomersNeeds.htm)

Print this Project Review Receipt using your Internet browser's print function and keep it as a record of your search.

Signature: *John M. [Signature]*

Date: 6/2/08

Project applicant on whose behalf this search was conducted:

APPLICANT

PN 004 Project Environmental Review Receipt

Project Search ID: 20080601143211

Project Name: Site 3

Date: 6/1/2008 1:42:35 PM

FAX Number: (717) 772-0271

Contact Name: Chuck McCordy
Address: 4301 Dutch Ridge Rd.
City, State, Zip: Beaver, PA 15009
Phone: 724-495-4262
Email: cmccordy@mbakercorp.com

PERSON CONDUCTING SEARCH (if not applicant)

Contact Name: _____
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____

The following contact information is for the agencies involved in this Pennsylvania Natural Diversity Inventory environmental review process. Please read this entire receipt carefully as it contains instructions for how to contact these agencies for further review of this particular project.

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552



PNDI - SITE 3

SCALE: 1" = 2000' S.O. NO. 113672
DATE: JUNE 2008



MICHAEL BAKER JR., INC.
CONSULTING ENGINEERS
BEAVER, PENNSYLVANIA

SHEET
1
OF 1

*** FAX TX REPORT ***

TRANSMISSION OK

JOB NO.	0205
DESTINATION ADDRESS	917177720271
PSWD/SUBADDRESS	
DESTINATION ID	
ST. TIME	06/02 14:38
USAGE T	04' 00
PGS.	7
RESULT	OK



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 2, 2008

Ecological Services Section
Pennsylvania Department of Conservation and Natural Resources
Bureau of Forestry
P.O. Box 8552
Harrisburg, PA 17105-8552

Subject: Site Selection for Foundation Mine Refuse Disposal - Site 3
PNDI Search Impacts
Jackson Township, Greene County, PA

To whom it may concern:

Attached is the information that is requested by the Pennsylvania Natural Diversity Inventory (PNDI) records. The project location that was submitted to the PNDI search indicates that there are two potential impacts within the project area. The information that is attached is listed below:

- PNDI Project Environmental Review Receipt
- Project Narrative
- USGS 7.5 minute quadrangle with project boundary map

I would greatly appreciate a written response as soon as possible, if your agency has any impacts within the proposed refuse site noted.

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.

A handwritten signature in black ink, appearing to read "Michael Baker Jr.", is written over the typed name.



Bureau of Forestry

July 3, 2008

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.

FAX: 724.495.4017 (hard copy will NOT follow—page 1 of 2)

Pennsylvania Natural Diversity Inventory Review, PNDI Numbers:

Site Selection for Foundation Mine Refuse Disposal:

- Site 3 (Jackson Township, Greene County) 20080601143211
- Site 4 (Jackson Township, Greene County) 20080601143212
- Site 6 (Jackson Township, Greene County) 20080601143214
- Site 7 (Jackson Township, Greene County) 20080601143215
- Site 8 (Gilmore & Jackson Townships, Greene County) 20080601143216

Dear Mr. McCrady,

This responds to your request about a Pennsylvania Natural Diversity Inventory (PNDI) ER Tool "Potential Impact" or species of special concern impact review. We screened this project for potential impacts to species and resources of special concern under Department of Conservation and Natural Resources' responsibility, which includes plants, natural communities, terrestrial invertebrates and geologic features only.

POTENTIAL PROJECT IMPACT
 Based on our PNDI map review we determined potential impacts to species and/or resources of special concern. Therefore, further coordination with this office is necessary to avoid potential impacts to the above listed resources.

Please provide the following information so that a more accurate determination can be made:

A survey for the following should be conducted at the appropriate time of year by a qualified botanist:

Please refer to attached species list.

If the land type(s) does not exist on site, a survey will not be necessary. If the land cover listed above is not on site, please submit a report to our office informing us that the habitat is not onsite and describe the current land cover and species found on the site.
 If the habitat is present, please have the botanist fill out the field survey form: www.naturalheritage.state.pa.us/InternetFieldSurveyForm.pdf.
 The botanist may contact us prior to the survey for additional information. All PA listed species should be searched for during the site visit and occurrences reported to our office. Survey results should be submitted to our office for review and comment. Mitigation measures and monitoring may be requested if species or communities of special concern are found on or adjacent to site. If you need a list of qualified surveyors, contact our office.

COMMENTS: Please have a qualified botanist survey at the appropriate time of year for each species in its potential habitat. Please use the survey form accessed from the website listed above.

This response represents the most up-to-date summary of the PNDI data files and is good for one (1) year from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

To complete your review of state and federally-listed species of special concern (those NOT under DCNR's responsibility), please be sure the U.S. Fish and Wildlife Service, the PA Game Commission and the Fish and Boat Commission have been contacted regarding this project either directly or by performing a search with the online PNDI ER Tool found at www.naturalheritage.state.pa.us.

Nicole M Habecker

Nicole Habecker, Environmental Review Specialist

DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105 ~ Ph: 717-705-2823 ~ F: 717-772-0271 ~ c-ncrbari@state.pa.us



Species of Concern for Mine Refuse Projects -143211, -143212, -143214, -143215, -143216:

Scientific Name	Common Name	Status	Habitat	Flwr/Frt
<i>Ablyscirtes vialis*</i>	Common Roadside-Skipper	S2S4	open areas near woodlands, often by streams	Flies once March-July
<i>Chlosyne nycteis**</i>	Silvery Checkerspot	S3S4	Somewhat open areas including stream sides, meadows, and forests	Flies once June-July
<i>Polymnia uvedalia</i>	Leaf-Cup	N/P/T	ravines, thickets, river/stream banks	July - September
<i>Salix caroliniana</i>	Carolina Willow	N/PE	Stream banks, shores, and low woods	N/A
<i>Senna marilandica</i>	Southern Wild Senna	TU/PE	Dry roadsides and thickets	July

* The Common-Roadside Skipper is an invertebrate whose larvae can be found on various grasses, such as wild oats, bentgrass, and bluegrasses. The adult moths are associated with nectar from low-growing blue flowers such as selfheal. The adults in flight will mate and lay eggs from March through July.

** The Silvery Checkerspot is an invertebrate whose larvae are associated with black-eyed susans, sunflowers, and wingstem. The adults feed on nectar from red clover, common milkweed, and dogbane. Adults will mate and lay eggs once from June through July.



Pennsylvania Department of Environmental Protection

25 Technology Drive
California Technology Park
Coal Center, PA 15423
August 26, 2008

RECEIVED

AUG 27 2008

Michael Baker Jr., Inc.
724-769-1100

California District Office

N. K. Chakravorti, P.E.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

RE: U. S. Fish and Wildlife Concerns
Foundation Mining, LP
Foundation Mine Refuse Disposal Area Site Alternatives Analysis

Dear Mr. Chakravorti:

Enclosed is a letter from the U. S. Fish and Wildlife Service, along with some pertinent information regarding the referenced refuse disposal site location analysis.

The concerns expressed by the U. S. Fish and Wildlife Service should be addressed, along with the points indicated in my letter to you dated July 18, 2008.

Should you have any questions, please contact me at 724-769-1100.

Sincerely,

Joseph E. Leone, P.E., Chief
Bituminous Mine Permit Section
District Mining Operations

Enclosure

cc: Larry Emerson (w/enclosure)
Marsha Haberman
Cindy Tibbott
Jeff Kost
Steven Kepler





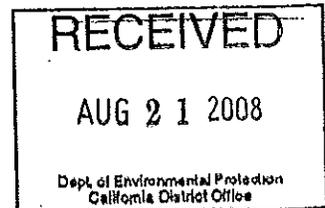
United States Department of the Interior



FISH AND WILDLIFE SERVICE
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pennsylvania 16801-4850

August 20, 2008

Joseph F. Leone, Chief
Bituminous Mine Permit Section
District Mining Operations
Pennsylvania Department of Environmental
Protection
25 Technology Drive
Coal Center, PA 15423



RE: USFWS Project #2008-1722

Dear Mr. Leone:

Thank you for sending us a copy of your July 18, 2008, letter to N.K. Chakravorti concerning the Foundation Mine Refuse Disposal Area Site Alternatives Analysis. The proposed project is located in Greene County, Pennsylvania. The following comments are provided pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) to ensure the protection of endangered and threatened species.

As Cindy Tibbott of my staff explained to you in an August 12, 2008, telephone conversation, when we opened our files on this project to add your letter, we noticed that Foundation's PNDI reviews have expired. The project will need to be resubmitted to PNDI. We also noted that Foundation appears to have submitted each affected valley individually to the PNDI review system, instead of identifying the full geographic extent of the entire project. Had the entire project been submitted, the PNDI system would have identified this as a "large project," and Foundation would have been directed to contact our office directly. Instead, Foundation did not contact our office for Endangered Species Act review.

The project area is within the range of the federally-listed, endangered Indiana bat (*Myotis sodalis*). Indiana bats hibernate in caves and abandoned mines during the winter months (November through March), and use a variety of upland, wetland and riparian habitats during the spring, summer and fall. Indiana bats usually roost in dead or living trees with exfoliating bark, crevices or cavities, especially those with sun exposure to the trunk. Female Indiana bats form nursery colonies under the exfoliating bark of dead or living trees, such as shagbark hickory, black birch, red oak, white oak, and sugar maple, in upland or riparian areas.

Land-clearing, especially of forested areas, may adversely affect Indiana bats by killing, injuring or harassing roosting bats, and by removing or reducing the quality of foraging and roosting habitat. Depending on the acreage and type of forest habitat that would be affected by this project, Foundation may need to employ a seasonal restriction on tree removal, or conduct mist-

net surveys to determine whether Indiana bats are using the project area during the summer foraging and roosting period. We will need further details from Foundation on the location, acreage, and type (species and size [dbh] distribution) of forest disturbance to help them through the Endangered Species Act process.

If you have any questions regarding this matter, please contact Cindy Tibbott of my staff at 814-234-4090.

Sincerely,

A handwritten signature in black ink, appearing to read "David Densmore", with a long horizontal flourish extending to the right.

David Densmore
Supervisor

Enclosures



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

September 9, 2008

Mr. Joe Leone
District Mining Operations
PA Department of Environmental Protection
25 Technology Drive
Coal Center, PA 15423

RE: Foundation Mine Refuse Disposal Area Site Alternatives Analysis
USFWS project #2008-1722

Dear Mr. Leone:

This letter is in response to your letter dated August 26, 2008 regarding written comments (letter dated August 20, 2008) provided by David Densmore of the US FWS, Pennsylvania Field office. Please be advised that a conference call with Ms. Cindy Tibbott occurred on August 29th and the issues raised in the letter were addressed.

It was agreed that new PNDI reviews would be initiated and submitted for the three proposed disposal alternatives most likely to be considered for approval. The remaining alternative sites would not be subject to new PNDI reviews as those sites had potential impacts that eliminated them from further consideration. In regards to the perception of the geographic extent of the area as being a "large project", it was explained that only the first site of the three least impacting disposal alternatives would be considered for permitting purposes. Any subsequent disposal sites would be subject to another alternatives analysis that would be submitted for review at a later date. Therefore, the scope of the proposed disposal areas are not as extensive as previously thought. Finally, we agreed that we would investigate whether there is a high probability of Indiana Bat foraging area existing at the final approved disposal site early in the permitting process. That investigation would take place if 50 or more acres of forest will be disturbed and would be accomplished by a mist-net survey to be undertaken by an approved consultant as outlined in the FWS letter. The results of that survey would be valid for a period of up to 4 years.

I trust these explanations are adequate for your purposes. Please contact me by telephone at 724.495.4207 or by e-mail at hchakrav@mbakercorp.com.

Sincerely,

MICHAEL BAKER JR., INC.



N.K. (Hari) Chakravorti, P.E.
Project Manager

Enclosures:

cc. Larry Emerson, Foundation Mining, LP
Cindy Tibbott - USFWS, PA Field Office, State College, PA



Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

June 25, 2007

Steven McDougal
Pennsylvania Historical and Museum Commission
State Museum Building
300 North Street
Harrisburg, PA 17120

CERTIFIED MAIL# 7099 3400 0017 5725 9055

Subject: Foundation Mine Surface Facilities
Cultural Resource Notice
Center and Jackson Townships, Greene County, PA

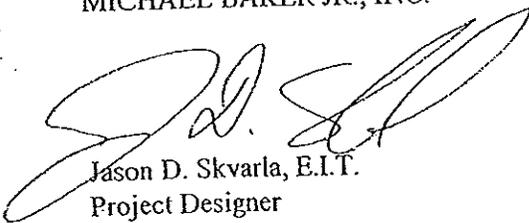
Dear Mr. McDougal:

Attached is the information for a Cultural Resource Notice review, for the above referenced project. The proposed surface facilities are all located within the Holbrook and Rogersville quadrangles. The information that is attached is listed below:

- Cultural Reference Notice
- Project Description Narrative
- USGS 7.5 minute quadrangle with the site refuse disturbance limits

Should you have any questions or require additional information please contact me at 724-495-4016.

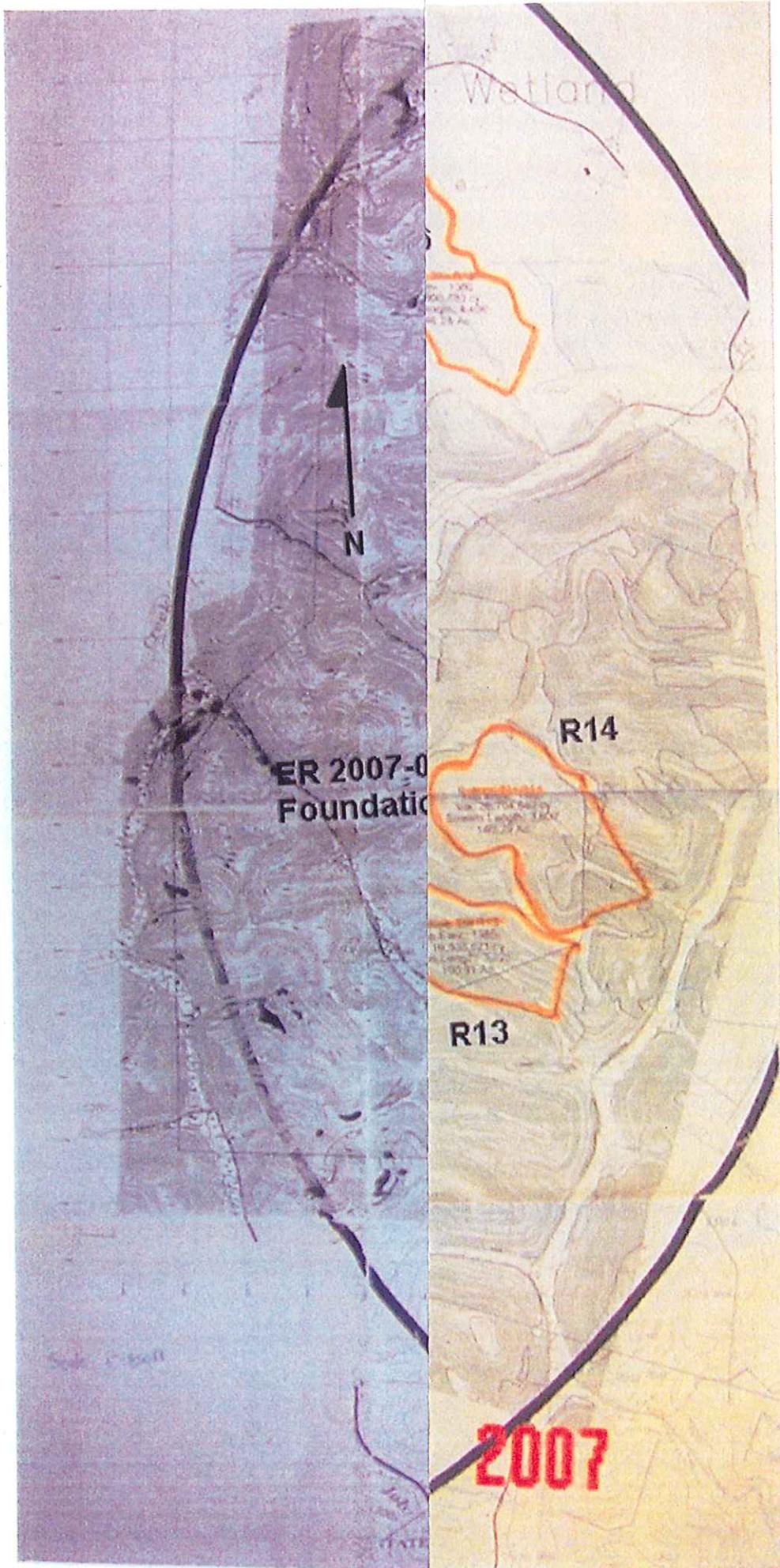
Sincerely,
MICHAEL BAKER JR., INC.



Jason D. Skvarla, E.I.T.
Project Designer

Enclosures

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature X <i>[Signature]</i>	<input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee
1. Article Addressed to: Steven McDougal PA Historical & Museum Comm. State Museum Bldg. 300 North Street Harrisburg, PA 17120	B. Received by (Printed Name)	C. Date of Delivery JUN 28 2007
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 7099 3400 0017 5725 19055	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
PS Form 381.1 August 2001 Domestic Return Receipt 2ACPRI-03-P-4081		



Wetland



ER 2007-0
Foundation

R14

R13

2007



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED

SEP 10 2007

Michael Baker Jr., Inc.

September 4, 2007

Jason D. Skvarla, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-D
COALC: Pennsylvania Services
Corporation, NPDES Permit,
Foundation Mine Surface Facilities
Center & Jackson Twps., Greene Co.

Dear Mr. Skvala:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988), and in accordance with relevant Federal legislation. This legislation includes Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, the Surface Mining Control and Reclamation Act, and OSM's regulations. This review includes comments on the project's potential effect on both historic and archaeological resources.

As a result of a recent visit on August 29, 2007, by our field archaeologist, Mark McConaughy, it has been determined that there are potentially significant historic archaeological resources in the permit area. Specifically, there are standing 19th century farmsteads in most of the valleys chosen for refuse disposal. One probable late 18th or early 19th century log cabin is present in the valley designated RA1. These locations could also have supported prehistoric sites. Please provide information on the age and background of structures, foundations, and ruins on the property so we can assess the significance of these resources.

At this time, we recommend that the permit be denied and we request a conference to discuss the effects to potentially significant archaeological resources in the permit area.

We also recommend that, if the Phase I survey is not undertaken, that the permit be conditioned to require that archaeological investigations be conducted if

Page 2
Jason D. Skvarla
September 4, 2007

sites are discovered after the mining permit is issued. We also request that you provide us with written justification for your decision if you elect not to conduct the Phase I survey.

If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585 x103.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Pennsylvania Services Corporation, 158 Portal Road, Waynesburg, PA
15370
DEP, Southwest Regional Office
DEP, Greensburg District Mining Office
David Hamilton, OSM Harrisburg Office
Mark A. McConaughy



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED

JUL 26 2007

Michael Baker Jr., Inc.

July 23, 2007

Jason D. Skvarla, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 07-0736-059-C
COALC: Pennsylvania
Services Corporation, NPDES
Permit, Foundation Mine
Surface Facilities, Center &
Jackson Twps., Greene Co.

Dear Mr. Skvarla:

The Pennsylvania Historical and Museum Commission, Bureau of Historic Preservation, has reviewed the above-referenced project under the authority of and in accordance with the Environmental Rights amendment, Article I, Section 27 of the Pennsylvania Constitution; the Pennsylvania History Code, 37 P.S. § 507; the Surface Mining Conservation and Reclamation Act, 52 P.S. §§ 1396.1-1396.19a; 25 Pa Code §§ 86.37, 87.42 and 89.38; the Surface Mining Control and Reclamation Act, 30 U.S.C. §§ 1201-1328; 36 CFR 779.12 and 36 CFR 783.12.

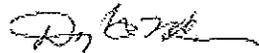
There is a high probability that prehistoric and historic archaeological resources are located in the project area and may be affected by this project. We are unable to proceed with our review until our field archaeologist, Mark McConaughy, conducts a field check of the project area. The information submitted to us will be forwarded onto Mr. McConaughy. We will complete our review upon receipt of the field archaeologist's comments. Call Mr. McConaughy to make an appointment for a field visit. It is our recommendation that the permit should not be issued until this review is completed.

A preliminary review of this project indicates that there is a high probability that National Register eligible historic resources exist in the project area. Project planners must conduct surveys to identify these resources before final plans are developed. For more information on survey strategies and methodologies, please contact the Bureau for Historic Preservation.

Page 2
July 23, 2007
Jason D. Skvarla, E.I.T.

If you need further information regarding archaeological survey please contact Kira Presler at (717) 705-0700. If you need further information concerning historic structures please consult Susan Zacher at (717) 783-9920. If you need more information regarding archaeological survey please contact Mark McConaughy x 103 at (724) 527-5585.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Pennsylvania Services Corporation, 158 Portal Road,
Waynesburg, PA 15370
DEP, Southwest Regional Office
DEP, Greensburg District Mining Office
Mark McConaughy

DCM/tmw

Phone Call Report

Project/Location Foundation Mine Refuse Analysis
Jackson and Center Twp., Greene
County, PA

S.O. No.: 111641

Date: 8-31-2007

Contract No.: _____

To: Mark McConaughy

From: Charles McCrady

Repres.: PHMC

Repres.: Baker

Phone No.: 724-527-5585

Phone No.: 724-495-4262

C.M. called Mr. McConaughy to try to determine what material he had received from Jason Skvarla prior to him leaving Baker. Mr. McConaughy informed C.M that he had received documents for 19 of the proposed refuse areas (R1, R2, R4, R6, R7, R8, R9, R10, R11, R13, R14, R15, RA, RA1, RA2, RA3, RA5, RA6, and RA7). Mr. McConaughy also said that every valley that was requested to be reviewed for historical significances has potential in containing historic and prehistoric archaeological resources.

C.M. told Mr. McConaughy that Baker will be submitting information on additional sites for his review.

Prepared by: _____

Title: _____

Page: 1 of 1

Baker

Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

~~Sept. 07, 2007~~
Sept. 07, 2007

Mr. Mark McConaughy
Pennsylvania Historical and Museum Commission
State Museum Building
300 North Street
Harrisburg, PA 17120

CERTIFIED MAIL# 7005 2570 0000 4038 7163

Subject: Foundation Mine Surface Facilities
Cultural Resource Notice
Center and Jackson Townships, Greene County, PA

Dear Mr. McConaughy:

With regards to our conversation on August 31, 2007, I have attached the information required to perform a Cultural Resource review for the remaining four potential refuse areas: R3, R4-5, R5, and RA4. The additional proposed surface facilities are all located within the Holbrook quadrangle. The information that is attached is listed below:

R1B, R11, and R4

- Cultural Reference Notice
- Project Description Narrative
- USGS 7.5 minute quadrangle with the site refuse disturbance limits

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.
Civil Associate II

Enclosures

ChallengeUs.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete Item 4, if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X <i>[Signature]</i></p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p><i>[Signature]</i> FEB 11 2007</p>
<p>1. Article Addressed to:</p> <p><i>PA Historical & Museum Commission Mr. Mark McConaughy State Museum Bldg 300 North Street Harrisburg, PA 17120</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p> <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02 M-1540</p> <p style="text-align: center;">7005 2570 0000 4038 7163</p>	

DEP USE ONLY
Date Received



CULTURAL RESOURCE NOTICE

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER			
Applicant Name	Pennsylvania Services Corporation (Att: Larry Emerson)		
Street Address	158 Portal Road		
City	Waynesburg	State	PA Zip 15370
Telephone Number	724-852-5769		
Project Title	Foundation Mine Surface Facilities		
SECTION B. LOCATION OF PROJECT			
Municipality	Center and Jackson Townships	County Name	Greene DEP County Code 30
SECTION C. PERMITS OR APPROVALS			
Name of Specific DEP Permit or Approval Requested:	NPDES		
Anticipated federal permits:			
<input type="checkbox"/> Surface Mining	<input type="checkbox"/> 404 Water Quality Permit		
<input type="checkbox"/> Army Corps of Engineers	<input type="checkbox"/> Federal Energy Regulatory Commission		
<input type="checkbox"/> 401 Water Quality Certification	<input type="checkbox"/> Other:		
SECTION D. GOVERNMENT FUNDING SOURCES			
<input type="checkbox"/> State: (Name) _____	<input type="checkbox"/> Local: (Name) _____		
<input type="checkbox"/> Federal: (Name) _____	<input type="checkbox"/> Other: (Name) _____		
SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE			
DEP Regional Office Responsible for Review of Permit Application	<input type="checkbox"/> Central Office (Harrisburg)		
<input type="checkbox"/> Southeast Regional Office (Conshohocken)	<input type="checkbox"/> Northeast Regional Office (Wilkes-Barre)		
<input type="checkbox"/> Southcentral Regional Office (Harrisburg)	<input type="checkbox"/> Northcentral Regional Office (Williamsport)		
<input checked="" type="checkbox"/> Southwest Regional Office (Pittsburgh)	<input type="checkbox"/> Northwest Regional Office (Meadville)		
<input type="checkbox"/> District Mining Office:	<input type="checkbox"/> Oil & Gas Office:		
SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.			
County Conservation District	Telephone Number, if known		
Greene County Conservation District	724-852-5278		
SECTION G. CONSULTANT			
Consultant, if applicable	Michael Baker Jr. Inc (Attn: Charles McCrady)		
Street Address	4301 Dutch Ridge Road		
City	Beaver	State	PA Zip 15009
Telephone Number	724-495-4262		

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

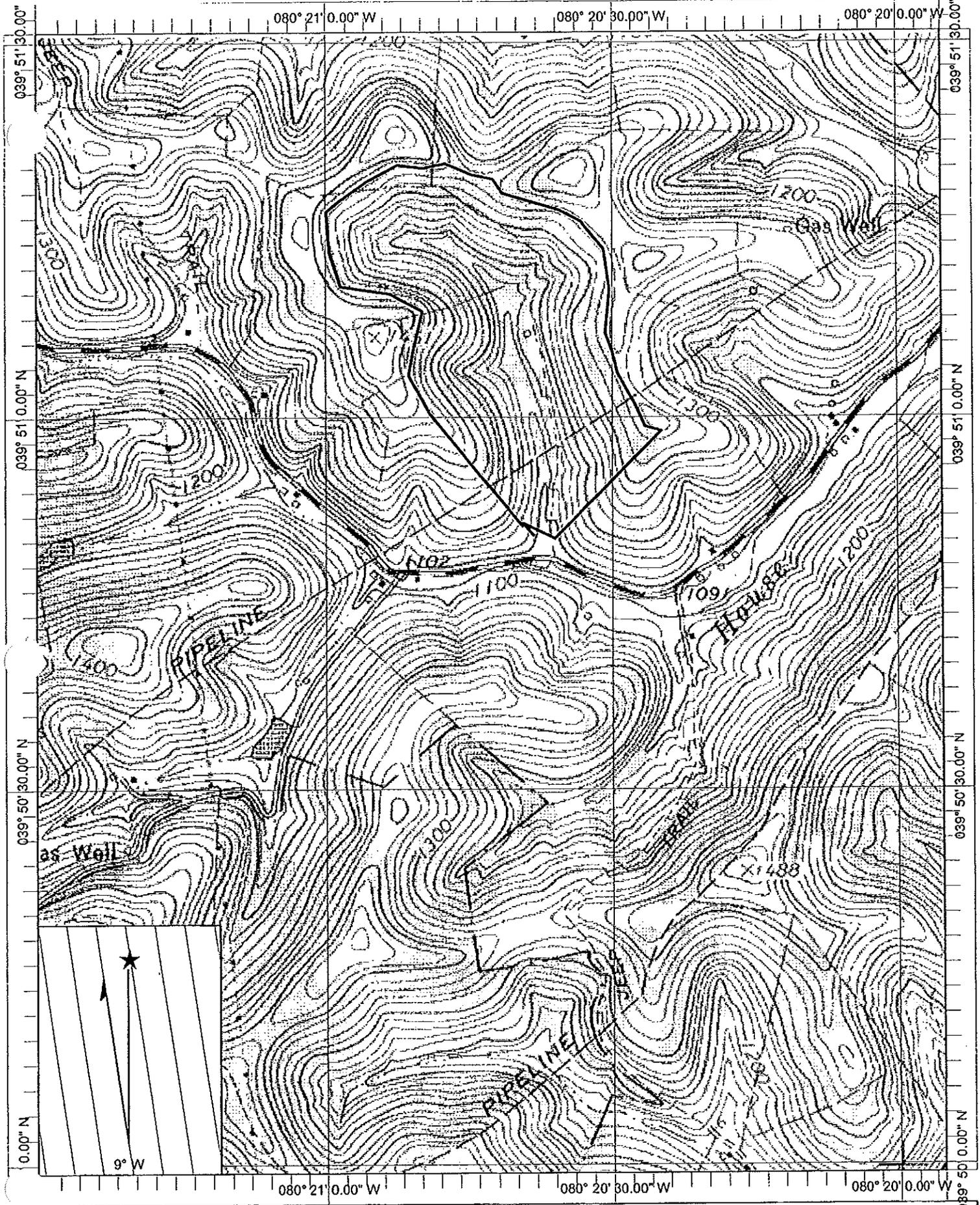
SECTION I. SIGNATURE BLOCK



9/7/2007

Applicant's Signature

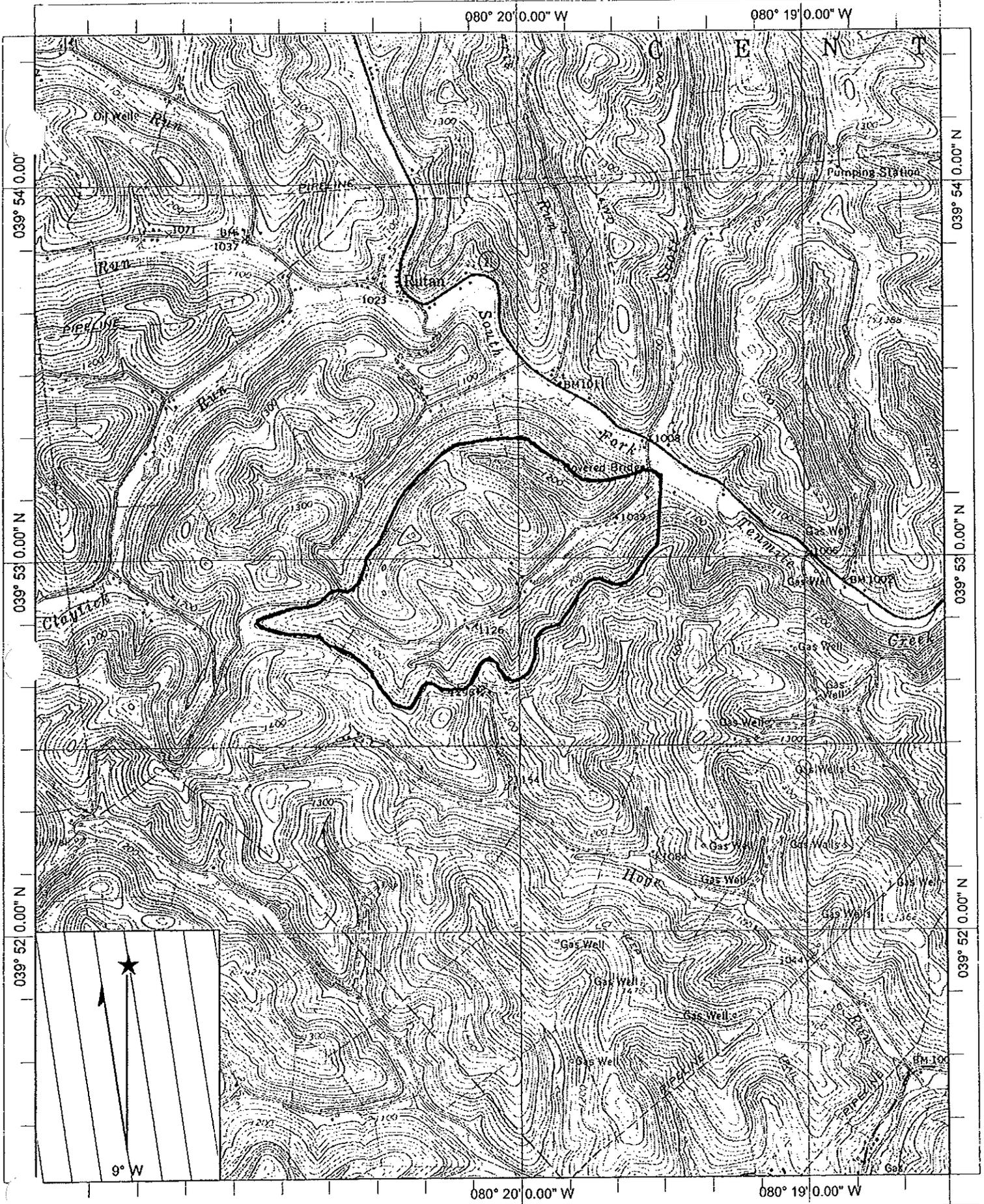
Date of Submission of Notice to PHMC



Name: HOLBROOK
 Date: 9/4/2007
 Scale: 1 inch equals 1000 feet

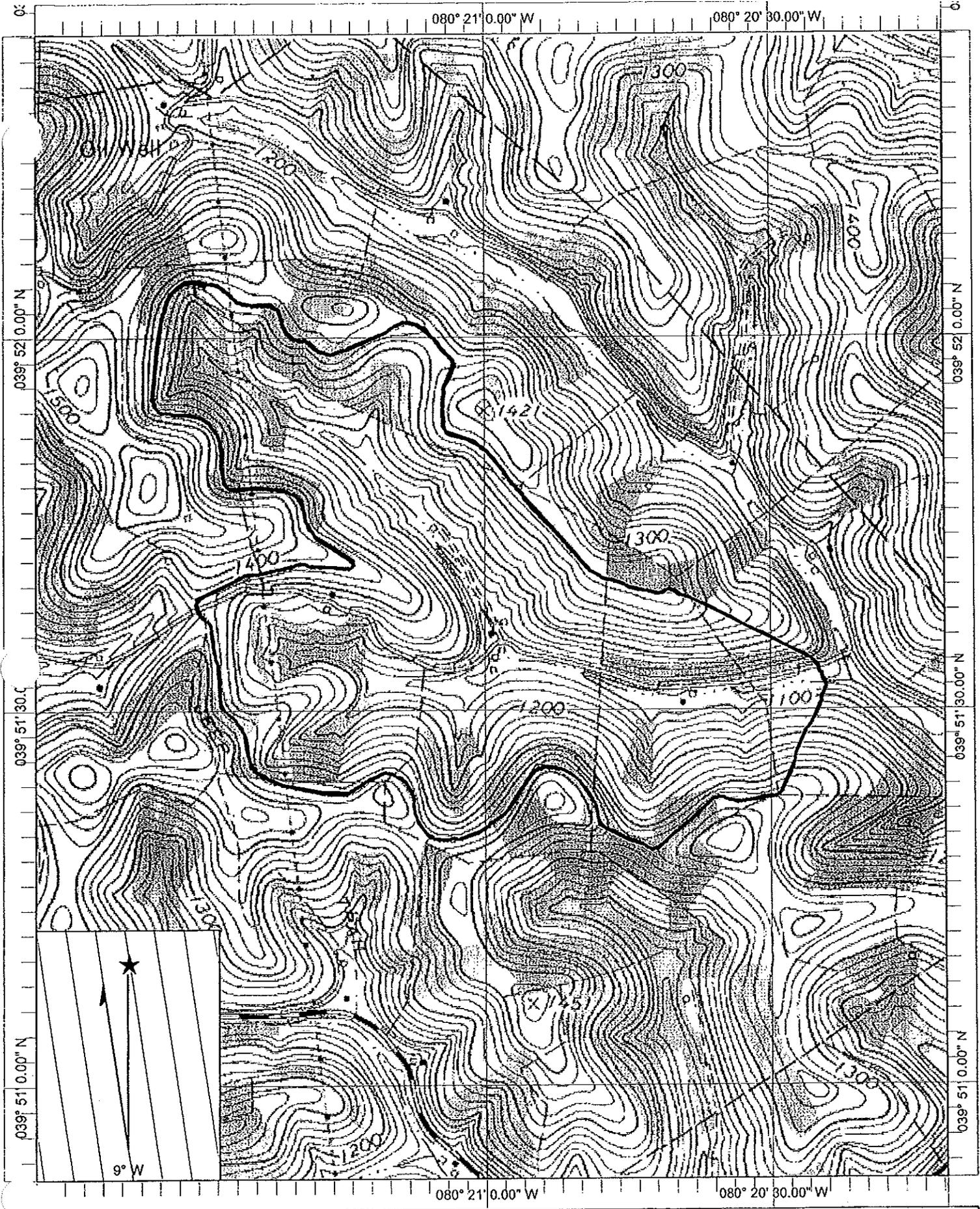
Location: 039° 50' 45.0" N 080° 20' 42.8" W
 Caption: Foundation Mine Refuse Area ~~is~~ RIB

Eliminated from Study



Name: ROGERSVILLE
 Date: 9/4/2007
 Scale: 1 inch equals 2000 feet

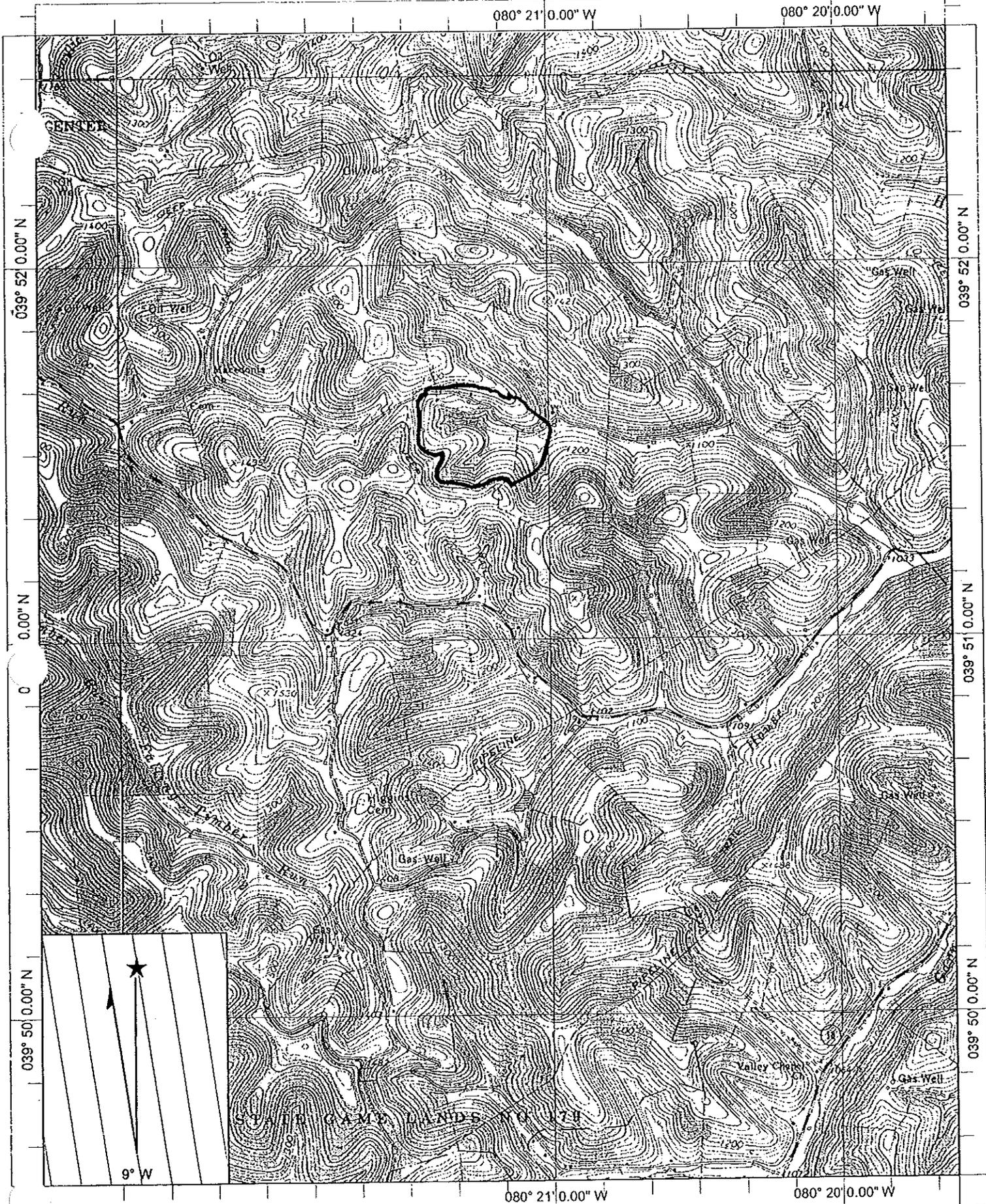
Location: 039° 52' 52.6" N 080° 20' 05.9" W
 Caption: Foundation Mine Refuse Area ~~RA4~~
 RA4



Name: HOLBROOK
 Date: 9/4/2007
 Scale: 1 inch equals 1000 feet

Location: 039° 51' 38.3" N 080° 20' 59.3" W
 Caption: Foundation Mine Refuse Area ~~R1~~

R1



Name: HOLBROOK
 Date: 9/4/2007
 Scale: 1 inch equals 2000 feet

Location: 039° 51' 05.4" N 080° 21' 11.1" W
 Caption: Foundation Mine Refuse Area ~~R6~~

Southern Portion of RLL



Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED

OCT 22 2007

October 16, 2007

Michael Baker Jr., Inc.

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW OF
DHP REFERENCE NUMBER

Re: File No. ER 07-0736-059-E
COALC: Pennsylvania
Services Corporation, NPDES
Permit, Foundation Mine
Surface Facilities, Center &
Jackson Twps., Greene Co.

Dear Mr. McCrady:

The Pennsylvania Historical and Museum Commission, Bureau of Historic Preservation, has reviewed the above-referenced project under the authority of and in accordance with the Environmental Rights amendment, Article I, Section 27 of the Pennsylvania Constitution; the Pennsylvania History Code, 37 P.S. § 507; the Surface Mining Conservation and Reclamation Act, 52 P.S. §§ 1396.1-1396.19a; 25 Pa Code §§ 86.37, 87.42 and 89.38; the Surface Mining Control and Reclamation Act, 30 U.S.C. §§ 1201-1328; 36 CFR 779.12 and 36 CFR 783.12.

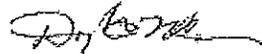
There is a high probability that prehistoric and historic archaeological resources are located in the project area and may be affected by this project. We are unable to proceed with our review until our field archaeologist, Mark McConaughy, conducts a field check of the project area. The information submitted to us will be forwarded onto Mr. McConaughy. We will complete our review upon receipt of the field archaeologist's comments. Call Mr. McConaughy to make an appointment for a field visit. It is our recommendation that the permit should not be issued until this review is completed.

Your request does not include sufficient information. We are unable to proceed with our review for historic structures until the information on the attached form is provided.

Page 2
October 16, 2007
Charles McCrady, E.I.T.

If you need further information in this matter please consult Noël Strattan at (717) 772-4519. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585. If you need further information concerning historic structures please consult Kira Presler at (717) 705-0700.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Pennsylvania Services Corporation, 158 Portal Road,
Waynesburg, PA 15370
DEP, Southwest Regional Office
DEP, Greensburg District Mining Office
Mark McConaughy

Attachment
DCM/tmw



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED

NOV 01 2007

Michael Baker Jr., Inc.

October 25, 2007

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-F
COALC: Pennsylvania Services
Corporation, NPDES Permit,
Foundation Mine Surface Facilities
Center & Jackson Twps., Greene Co.

Dear Mr. McCrady:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 *et seq.* (1988), and in accordance with relevant Federal legislation. This legislation includes Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, the Surface Mining Control and Reclamation Act, and OSM's regulations. This review includes comments on the project's potential effect on both historic and archaeological resources.

As a result of a recent visit on August 29, 2007, by our field archaeologist, Mark McConaughy, it has been determined that there are potentially significant historic archaeological resources in the permit area. Specifically, there are standing 19th century farmsteads in most of the valleys chosen for refuse disposal. One probable late 18th or early 19th century log cabin is present in the valley designated RA1. These locations could also have supported prehistoric sites. Please provide information on the age and background of structures, foundations, and ruins on the property so we can assess the significance of these resources.

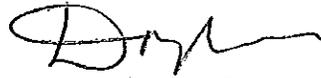
At this time, we recommend that the permit be denied and we request a conference to discuss the effects to archaeological resources within the permit area. We also recommend that, if the Phase I survey is not undertaken, that the permit be conditioned to require that archaeological investigations be conducted if

Page 2
Charles McCrady
October 25, 2007

sites are discovered after the mining permit is issued. We also request that you provide us with written justification for your decision if you elect not to conduct the Phase I survey.

If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585 x103.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Pennsylvania Services Corporation, 158 Portal Road, Waynesburg, PA
15370
DEP, Southwest Regional Office
DEP, Greensburg District Mining Office
David Hamilton, OSM Harrisburg Office
Mark A. McConaughy

Baker

Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711
FAX 724-495-4017

~~June 25, 2007~~ 1-21-2008

Mr. Mark McConaughy
Pennsylvania Historical and Museum Commission
State Museum Building
300 North Street
Harrisburg, PA 17120

CERTIFIED MAIL# 7007 0710 0001 3166 9123

Subject: Foundation Mine Surface Facilities
Cultural Resource Notice
Center and Jackson Townships, Greene County, PA

Dear Mr. McConaughy:

Since our last correspondence, two additional sites, R8 and R9, have been incorporated to the above mentioned project and are located north of the South Fork of Tenmile Creek on the Rogersville quadrangle. Attached and listed below is the information for a Cultural Resource Notice review, for the above referenced project.

- Cultural Reference Notice
- Project Description Narrative
- USGS 7.5 minute quadrangle with the site refuse disturbance limits

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.
Civil Associate II

Enclosures

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery JAN 24 2008</p>
<p>1. Article Addressed to:</p> <p><i>PA Historical & Museum Commission Mr. Mark McConaughy State Museum Bldg. 300 N. Street Harrisburg, PA 17120</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from serv) 7007 0710 0001 3166 9123</p>	<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ <i>.97</i>
Certified Fee	<i>2.65</i>
Return Receipt Fee (Endorsement Required)	<i>2.15</i>
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ <i>5.77</i>
<p>Sent to <i>PA Historical & Museum Commission Attn: Mark McConaughy</i></p> <p>Street, Apt. No., or PO Box No. <i>300 N. Street</i></p> <p>City, State, ZIP+4 <i>Harrisburg PA 17120</i></p>	
PS Form 3800, August 2006 See Reverse for Instructions	

CORAOPOLIS PA
 Postmark Here
 JAN 22 2008

7007 0710 0001 3166 9123

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center and Jackson Townships
Greene County, PA**

Foundation Mining, LP (FMLP) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste road) generated during the mining activities. Site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FMLP. If the site(s) identified within FMLP controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. FMLP prefers separate sites for both combined refuse (coarse and fine refuse) facilities and breaker rock storage. Based on the USGS map, several of the possibilities sites are likely to fall under the category of "Preferred Sites". The entire site being looked at is 25 square miles (16,000 acres) and is located mostly in the Holbrook Quadrangle but also have parts located in the Rogersville Quadrangle. The total disturbed acreage in Site R8 is approximately 290 acres and in site R9 is approximately 140 acres.

DEP USE ONLY Date Received



CULTURAL RESOURCE NOTICE

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER			
Applicant Name	Pennsylvania Services Corporation (Att: Larry Emerson)		
Street Address	158 Portal Road		
City	Waynesburg	State	PA Zip 15370
Telephone Number	724-852-5769		
Project Title	Foundation Mine Surface Facilities		
SECTION B. LOCATION OF PROJECT			
Municipality	Center and Jackson Townships	County Name	Greene DEP County Code 30
SECTION C. PERMITS OR APPROVALS			
Name of Specific DEP Permit or Approval Requested:	NPDES		
Anticipated federal permits:			
<input type="checkbox"/> Surface Mining	<input type="checkbox"/> 404 Water Quality Permit		
<input type="checkbox"/> Army Corps of Engineers	<input type="checkbox"/> Federal Energy Regulatory Commission		
<input type="checkbox"/> 401 Water Quality Certification	<input type="checkbox"/> Other:		
SECTION D. GOVERNMENT FUNDING SOURCES			
<input type="checkbox"/> State: (Name) _____	<input type="checkbox"/> Local: (Name) _____		
<input type="checkbox"/> Federal: (Name) _____	<input type="checkbox"/> Other: (Name) _____		
SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE			
DEP Regional Office Responsible for Review of Permit Application	<input type="checkbox"/> Central Office (Harrisburg)		
<input type="checkbox"/> Southeast Regional Office (Conshohocken)	<input type="checkbox"/> Northeast Regional Office (Wilkes-Barre)		
<input type="checkbox"/> Southcentral Regional Office (Harrisburg)	<input type="checkbox"/> Northcentral Regional Office (Williamsport)		
<input checked="" type="checkbox"/> Southwest Regional Office (Pittsburgh)	<input type="checkbox"/> Northwest Regional Office (Meadville)		
<input type="checkbox"/> District Mining Office:	<input type="checkbox"/> Oil & Gas Office:		
SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.			
County Conservation District	Telephone Number, if known		
Greene County Conservation District	724-852-5278		
SECTION G. CONSULTANT			
Consultant, if applicable	Michael Baker Jr. Inc (Attn: Charles McCrady)		
Street Address	4301 Dutch Ridge Road		
City	Beaver	State	PA Zip 15009
Telephone Number	724-495-4262		

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

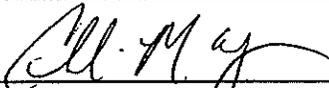
Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

SECTION I. SIGNATURE BLOCK



1-21-2007

Applicant's Signature

Date of Submission of Notice to PHMC



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation

Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED

FEB 11 2008

Michael Baker, Inc.

February 5, 2008

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 07-0736-059-K
COALC: Pennsylvania
Services Corporation
Foundation Mine Surface
Facilities, Center & Jackson
Twps., Greene Co.

Dear Mr. McCrady:

The Pennsylvania Historical and Museum Commission, Bureau of Historic Preservation, has reviewed the above-referenced project under the authority of and in accordance with the Environmental Rights amendment, Article I, Section 27 of the Pennsylvania Constitution; the Pennsylvania History Code, 37 P.S. § 507; the Surface Mining Conservation and Reclamation Act, 52 P.S. §§ 1396.1-1396.19a; 25 Pa Code §§ 86.37, 87.42 and 89.38; the Surface Mining Control and Reclamation Act, 30 U.S.C. §§ 1201-1328; 36 CFR 779.12 and 36 CFR 783.12.

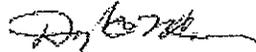
There is a high probability that prehistoric and historic archaeological resources are located in the project area and may be affected by this project. We are unable to proceed with our review until our field archaeologist, Mark McConaughy, conducts a field check of the project area. The information submitted to us will be forwarded onto Mr. McConaughy. We will complete our review upon receipt of the field archaeologist's comments. Call Mr. McConaughy to make an appointment for a field visit. It is our recommendation that the permit should not be issued until this review is completed.

In our opinion no evaluation of historic structures will be necessary for this project area.

Page 2
February 5, 2008
Charles McCrady, E.I.T.

If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Pennsylvania Services Corporation, 158 Portal Road,
Waynesburg, PA 15370
DEP, Southwest Regional Office
Mark McConaughy

DCM/tmw



Michael Baker Jr., Inc.

4301 Dutch Ridge Road
Beaver, PA 15009

724-495-7711

FAX 724-495-4017

March 12, 2009

Mr. Mark McConaughy
Pennsylvania Historical and Museum Commission
State Museum Building
300 North Street
Harrisburg, PA 17120

CERTIFIED MAIL# 7006 3450 0002 9770 5706

Subject: Foundation Mine Coal Refuse Disposal Area Alternatives Analysis
Cultural Resource Notice
Jackson and Richhill Townships, Greene County, PA

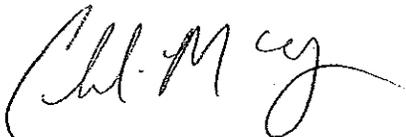
Dear Mr. McConaughy:

Since our last correspondence, three additional sites: Area #1, Area #2, and Area #3, have been incorporated to the above mentioned project. Area #1 and Area #3 are located on the Holbrook quadrangle in Jackson Township Area #2 is located on the Wind Ridge quadrangle in Richhill Township. Attached and listed below is the information for a Cultural Resource Notice review, for the above referenced project.

- Cultural Reference Notice
- Project Description Narrative
- USGS 7.5 minute quadrangle with site disturbance limits

Should you have any questions or require additional information please contact me at 724-495-4262.

Sincerely,
MICHAEL BAKER JR., INC.



Charles McCrady, E.I.T.

Enclosures

cc: Larry Emerson, Foundation Mining, LLC
Michele Stewart, Michael Baker Jr., Inc.

**Project Description for
Site Selection Study for Foundation Mine Refuse Disposal Site
Center and Jackson Townships
Greene County, PA**

Foundation Mining, LP (FMLLC) plans to develop a new underground longwall mine in the Pittsburgh Coal seam with its surface facilities proposed to be located in west central Greene County near the village of Holbrook. Accordingly, suitable site or sites relative to the location of the coal preparation plant need to be selected for the disposal of the refuse (mine waste) generated during the mining activities. The site selection process is the first important step to obtain PADEP permit for the refuse disposal facility in accordance with the 1994 Amendments to the Coal Refuse Disposal Control Act (CRDCA). CRDCA gives special attention to the site selection process as provided in Subchapter E, Pa. Code 90.201 through 90.2107, requiring the applicant for a refuse disposal permit to evaluate alternative sites and to select the required site(s) most suitable based on environmental, physical, geographic, transportation, technical and social factors.

The sites will primarily be identified within the surface properties that are presently owned by FMLLC. If the site(s) identified within FMLLC controlled properties do not provide adequate refuse storage capacity, then only sites in other properties will be considered. The sites being evaluated are located mostly in the Holbrook Quadrangle but also have parts located in Wind Ridge and New Freeport Quadrangles. The total acreage, all of which would be disturbed, on Site #1, Site #2, and Site #3 is 179 acres, 209 acres, and 198 acres, respectively.

DEP USE ONLY Date Received



CULTURAL RESOURCE NOTICE

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER			
Applicant Name	Pennsylvania Services Corporation (Att: Larry Emerson)		
Street Address	158 Portal Road		
City	Waynesburg	State	PA Zip 15370
Telephone Number	724-852-5769		
Project Title	Foundation Mine Surface Facilities		
SECTION B. LOCATION OF PROJECT			
Municipality	Center and Jackson Townships	County Name	Greene DEP County Code 30
SECTION C. PERMITS OR APPROVALS			
Name of Specific DEP Permit or Approval Requested:	Refuse Disposal Alternatives Analysis Approval		
Anticipated federal permits:			
<input type="checkbox"/>	Surface Mining	<input type="checkbox"/>	404 Water Quality Permit
<input type="checkbox"/>	Army Corps of Engineers	<input type="checkbox"/>	Federal Energy Regulatory Commission
<input type="checkbox"/>	401 Water Quality Certification	<input type="checkbox"/>	Other:
SECTION D. GOVERNMENT FUNDING SOURCES			
<input type="checkbox"/>	State: (Name) _____	<input type="checkbox"/>	Local: (Name) _____
<input type="checkbox"/>	Federal: (Name) _____	<input type="checkbox"/>	Other: (Name) _____
SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE			
DEP Regional Office Responsible for Review of Permit Application		<input type="checkbox"/> Central Office (Harrisburg)	
<input type="checkbox"/>	Southeast Regional Office (Conshohocken)	<input type="checkbox"/>	Northeast Regional Office (Wilkes-Barre)
<input type="checkbox"/>	Southcentral Regional Office (Harrisburg)	<input type="checkbox"/>	Northcentral Regional Office (Williamsport)
<input checked="" type="checkbox"/>	Southwest Regional Office (Pittsburgh)	<input type="checkbox"/>	Northwest Regional Office (Meadville)
<input type="checkbox"/>	District Mining Office:	<input type="checkbox"/>	Oil & Gas Office:
SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.			
County Conservation District		Telephone Number, if known	
Greene County Conservation District		724-852-5278	
SECTION G. CONSULTANT			
Consultant, if applicable	Michael Baker Jr. Inc (Attn: Charles McCrady)		
Street Address	4301 Dutch Ridge Road		
City	Beaver	State	PA Zip 15009
Telephone Number	724-495-4262		

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION

REQUIRED

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

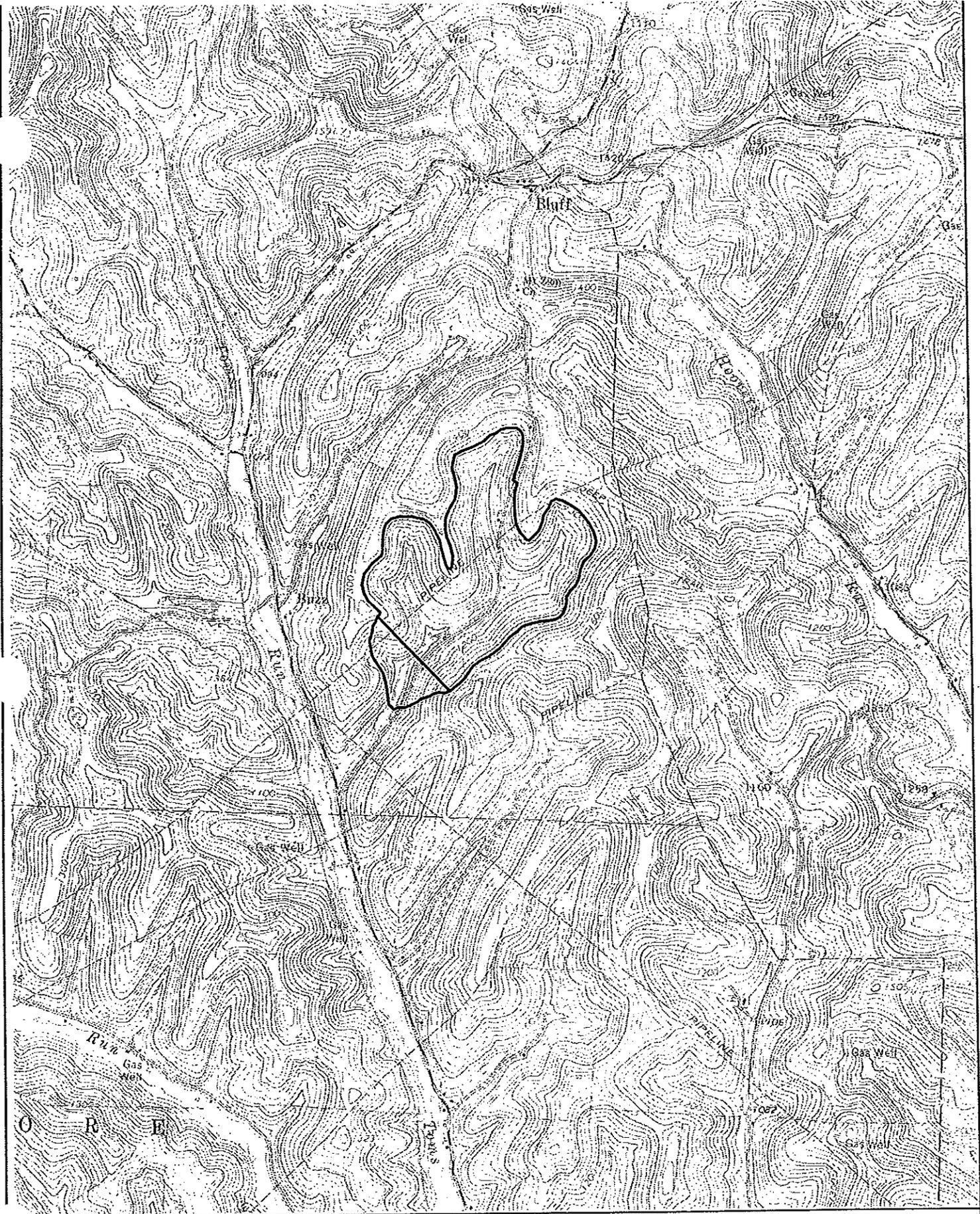
SECTION I. SIGNATURE BLOCK



Applicant's Signature

March 12, 2009

Date of Submission of Notice to PHMC



AREA #3

SCALE: 1"=2000' S.O. NO. 113672
DATE: MARCH 2009 FILE:



Michael Baker Jr., Inc.
A Unit of Michael Baker Corporation
4301 Dutch Ridge Road
Beaver, Pennsylvania 15009

SHEET
3
OF 3

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) MAR 18 2009 Date of Delivery</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">PA Historical & Museum Commission Mr. Mark McConaughy State Museum Bldg. 300 North Street Harrisburg, PA 17120</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Registered <input type="checkbox"/> G.O.D. <input type="checkbox"/> Insured Mail</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7006 3450 0002 9770 5706</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED MAY 29 2009

May 27, 2009

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-CC
COALD: Pennsylvania Services
Corporation, Refuse Disposal
Alternatives Analysis Approval,
Foundation Mine Surface Facilities,
Jackson & Richhill Twps., Greene
Co.

Dear Mr. McCrady:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 *et seq.* (1988), and in accordance with relevant Federal legislation. This legislation includes Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, the Surface Mining Control and Reclamation Act, and OSM's regulations. This review includes comments on the project's potential effect on both historic and archaeological resources.

As a result of a recent visit on May 21, 2009, by our field archaeologist, Mark McConaughy, it has been determined that there are potentially significant historic farm sites in the permit area. Please provide information on the age and background of 19th and early 20th century farm structures, foundations, and ruins in the three project areas/sites so we can assess the significance of these resources.

At this time, we recommend that the permit be denied and we request a conference to discuss the effects to archaeological resources within the permit area. We also recommend that, if the Phase I survey is not undertaken, that the permit be conditioned to require that archaeological investigations be conducted if sites are discovered after the mining permit is issued. We also request that you provide us with written justification for your decision if you elect not to conduct the Phase I survey.

Page 2
May 27, 2009
Charles McCrady, E.I.T.

If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585 x103.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Larry Emerson, Pennsylvania Services Corporation, 158 Portal Road,
Waynesburg, PA 15370
DEP, California District Mining Office
David Hamilton, OSM Harrisburg Office
Mark A. McConaughy



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED MAY 29 2009

May 27, 2009

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-CC
COALD: Pennsylvania Services
Corporation, Refuse Disposal
Alternatives Analysis Approval,
Foundation Mine Surface Facilities,
Jackson & Richhill Twps., Greene
Co.

Dear Mr. McCrady:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988), and in accordance with relevant Federal legislation. This legislation includes Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, the Surface Mining Control and Reclamation Act, and OSM's regulations. This review includes comments on the project's potential effect on both historic and archaeological resources.

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May 27, 2009
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If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585 x103.

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas C. McLearen", with a circled initial "D" and a flourish at the end.

Douglas C. McLearen, Chief
Division of Archaeology &
Protection

Cc: Larry Emerson, Pennsylvania Services Corporation, 158 Portal Road,
Waynesburg, PA 15370
DEP, California District Mining Office
David Hamilton, OSM Harrisburg Office
Mark A. McConaughy

Chakravorti, Hari (N K)

From: McCrady, Charles
Sent: Thursday, August 13, 2009 8:51 AM
To: Chakravorti, Hari (N K)
Subject: Foundation Refuse PHMC Response Area #1 thru Area #3
Attachments: 05-27-2009 PHMC Response to 3-12-2009 Letter - NonHQ Sites 1-2-3.pdf; 4-21-2009 Response from PHMC (3-12-2009 Letter).pdf

Hari,
Attached is the PHMC Response for Area's #1 thru #3.

Thanks,
Chuck



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

RECEIVED APR 27 2009

April 21, 2009

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-Z
COALC: Pennsylvania
Services Corporation, Refuse
Disposal Alternatives Analysis
Approval, Foundation Mine
Surface Facilities, Jackson &
Richhill Twps., Greene Co.

Dear Mr. McCrady:

The Pennsylvania Historical and Museum Commission, Bureau of Historic Preservation, has reviewed the above-referenced project under the authority of and in accordance with the Environmental Rights amendment, Article I, Section 27 of the Pennsylvania Constitution; the Pennsylvania History Code, 37 P.S. § 507; the Surface Mining Conservation and Reclamation Act, 52 P.S. §§ 1396.1-1396.19a; 25 Pa Code §§ 86.37, 87.42 and 89.38; the Surface Mining Control and Reclamation Act, 30 U.S.C. §§ 1201-1328; 36 CFR 779.12 and 36 CFR 783.12.

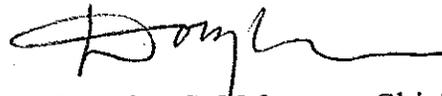
There is a high probability that prehistoric and historic archaeological resources are located in the project area and may be affected by this project. We are unable to proceed with our review until our field archaeologist, Mark McConaughy, conducts a field check of the project area. The information submitted to us will be forwarded onto Mr. McConaughy. We will complete our review upon receipt of the field archaeologist's comments. Call Mr. McConaughy to make an appointment for a field visit. It is our recommendation that the permit should not be issued until this review is completed.

In our opinion no evaluation of historic structures will be necessary for this project area.

Page 2
April 21, 2009
Charles McCrady, E.I.T.

If you need further information in this matter please consult Kira Presler at (717) 705-0700. If you need further information regarding archaeological survey please contact Mark McConaughy at (724) 527-5585.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Larry Emerson, Pennsylvania Services Corporation, 158 Portal
Road, Waynesburg, PA 15370
DEP, California District Mining Office
Mark McConaughy

DCM/tmw



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
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RECEIVED APR 27 2009

April 21, 2009

Charles McCrady, E.I.T.
Michael Baker Jr., Inc.
4301 Dutch Ridge Road
Beaver, PA 15009

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 2007-0736-059-Z
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Services Corporation, Refuse
Disposal Alternatives Analysis
Approval, Foundation Mine
Surface Facilities, Jackson &
Richhill Twps., Greene Co.

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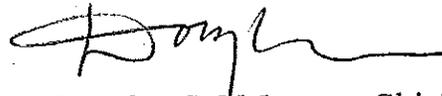
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Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: Larry Emerson, Pennsylvania Services Corporation, 158 Portal
Road, Waynesburg, PA 15370
DEP, California District Mining Office
Mark McConaughy

DCM/tmw



U.S. Environmental Protection Agency

Abandoned Mine Lands (AML)

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EPA Home > Superfund > Abandoned Mine Lands > AML Site Information > AML sites with EPA Removals/Emergency Responses AML Site Information

AML sites with EPA Removals/Emergency Responses

A total of 74 mining sites were found to have had removals completed onsite (organized by Region in the spreadsheet). Various sites have had multiple removal actions completed onsite. Individual sites and their associated removals are separated with alternating shading in the table.

Other AML Site Information

[NPL Sites](#)

[AML CERCLIS Inventory](#)

[AML sites with EPA Removals/Emergency Responses](#)

Site Name	EPA ID	Rg	St.	Site Sub Category/SIC code/RFF code	Actual Completion Date	Action Lead
ELY COPPER MINE	VTD988366571	1	VT	Metals	5/11/1995	EPA Fund-Financed
ELIZABETH MINE	VTD988366621	1	VT	Metals	5/25/1995	EPA Fund-Financed
U.S. RADIUM CORP.	NJD980654172	2	NJ	RFF = 4	9/29/1989	PRP REMOVAL
	NJD980654172	2	NJ	RFF = 4	2/28/1991	PRP REMOVAL
	NJD980654172	2	NJ	RFF = 4	4/4/1993	REMOVAL
LI TUNGSTEN P.	NYD986882660	2	NY	Primary metals/mineral processing	6/12/1990	Responsible Party
	NYD986882660	2	NY	Primary metals/mineral processing	1/12/1996	Coast Guard
	NYD986882660	2	NY	Primary metals/mineral processing	8/9/1996	EPA Fund-Financed
	NYD986882660	2	NY	Primary metals/mineral processing	10/29/1998	EPA Fund-Financed
	NYD986882660	2	NY	Primary metals/mineral processing		Responsible Party
W.R. GRACE & CO., INC./WAYNE INTERIM STORAGE SITE (USDOE)	NJ1891837980	2	NJ	Primary metals/mineral processing	10/22/1997	Federal Facilities
	NJ1891837980	2	NJ	Primary metals/mineral processing	3/20/2000	Federal Facilities
	NJD067387472	2	NJ	Primary metals/mineral processing		EPA Fund-Financed
BUTLER MINE INEL	PAD980508451	3	PA	RFF = 4	3/31/1986	REMOVAL
MERTON ZINC PILE	PAD002395887	3	PA	RFF = 4	5/17/1995	PRP REMOVAL
	PAD002395887	3	PA	RFF = 4	3/25/1998	REMOVAL

	PAD002395887	3	PA	RFF = 4	11/1/1999	REMOVAL
FOOTE MINERAL CO	PAD077087989	3	PA	Primary metals/mineral processing	3/20/2000	Responsible Party
CREEK/SITKIN SMELTING & REFINING, INC.	PAD980829493	3	PA	Primary metals/mineral processing	3/20/1992	EPA Fund-Financed
	PAD980829493	3	PA	Primary metals/mineral processing	4/25/1996	EPA Fund-Financed
	PAD980829493	3	PA	Primary metals/mineral processing	10/8/1999	Responsible Party
STAUFFER CHEMICAL CO. (TARPON SPRINGS)	FLD010596013	4	FL	Primary metals/mineral processing	9/25/1998	Responsible Party
NATIONAL SOUTHWIRE ALUMINUM CO.	KYD049062375	4	KY	Primary metals/mineral processing	9/29/1997	Responsible Party
MACALLOY CORPORATION	SCD003360476	4	SC	Primary metals/mineral processing	11/4/1999	Responsible Party
COPPER BASIN MINING DISTRICT	TN0001890839	4	TN	Metals		Responsible Party
SYDNEY MINE SLUDGE PONDS	FLD000648055	4	FL	Phosphate Rock	7/1/1989	PRP REMOVAL
STATE LEAD (ILCO)	ALD041906173	4	AL	Primary metals/mineral processing	11/30/1993	EPA Fund-Financed
	ALD041906173	4	AL	Primary metals/mineral processing		Responsible Party
TORCH LAKE	MID980901946	5	MI	Mine tailings disposal	3/30/1992	Responsible Party
CIMARRON MINING CORP.	NMD980749378	6	NM	Gold Ores	8/31/1987	REMOVAL
CIMARRON MINING CORP.	NMD980749378	6	NM	Gold Ores	5/28/1992	REMOVAL
CLEVELAND MILL	NMD981155930	6	NM	Mine tailings disposal	12/10/1998	Responsible Party
NATIONAL ZINC CORP.	OKD000829440	6	OK	Primary metals/mineral processing	2/2/1994	EPA Fund-Financed
	OKD000829440	6	OK	Primary metals/mineral processing	8/23/1995	Responsible Party
TAR CREEK (OTTAWA COUNTY)	OKD980629844	6	OK	Metals	10/12/1985	EPA Fund-Financed
	OKD980629844	6	OK	Metals	5/23/2000	EPA Fund-Financed
	OKD980629844	6	OK	Metals		EPA Fund-Financed
TEX-TIN CORP.	TXD062113329	6	TX	Primary	10/6/1989	EPA Fund-



Abandoned Mine Lands (AML)

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AML CERCLIS Inventory

This page provides information on AML sites in the CERCLIS Database. Sites listed on this page include those that are on the NPL as well as many that are not on the NPL. For additional information on sites on the National Priorities List, please visit the [NPL Sites](#) page.

Download the expanded [AML CERCLIS Inventory](#).

- [AML Home](#)
- [Basic Information](#)
- [Where You Live](#)
- [AML Site Information](#)
- [Policy & Guidance](#)
- [Technical Resources](#)
- [Revitalization & Reuse](#)
- [Mineral Processing Sectors](#)
- [Related Links](#)
- [States](#)
- [Tribes](#)
- [Glossary](#)

Other AML Site Information

- [NPL Sites](#)
- [AML CERCLIS Inventory](#)
- [AML sites with EPA Removals/Emergency Responses](#)

Site Name	Region	State	Site Identification Number (CERCLIS ID #)
CALLAHAN MINING CORP	1	ME	MED980524128
KERRAMERICAN MINE (FORMER)	1	ME	MED055715775
ORE HILL MINE	1	NH	NHN000103157
ELIZABETH MINE	1	VT	VTD988366621
ELY COPPER MINE	1	VT	VTD988366571
PIKE HILL COPPER MINE	1	VT	VTD988366720
GLEN RIDGE RADIUM	2	NJ	NJD980785646
MONTCLAIR/WEST ORANGE RADIUM	2	NJ	NJD980785653
RINGWOOD MINES/LANDFILL	2	NJ	NJD980529739
U.S. RADIUM CORP.	2	NJ	NJD980654172
W.R. GRACE & CO., INC./WAYNE INTERIM STORAGE SITE (USDOE)	2	NJ	NJ1891837980
LI TUNGSTEN CORP.	2	NY	NYD986882660
VERMICULITE BG1	3	DE	DEN000305644
AMBLER ASBESTOS PILES	3	PA	PAD000436436
BUTLER MINE TUNNEL	3	PA	PAD980508451
FOOTE MINERAL CO.	3	PA	PAD077087989
FRANKLIN SLAG PILE	3	PA	PASFN0305549
HUTCHINSON MINE PCB SITE	3	PA	PAD982364275
JACKS CREEK/SITKIN SMELTING & REFINING, INC.	3	PA	PAD980829493
PALMERTON ZINC PILE	3	PA	PAD002395887
SHARON STEEL CORP.	3	PA	PAD001933175
HYMAN VIENER & SONS	3	VA	VAD003112364
LOUISA MINE (VA VERMICULITE LTD.)	3	VA	VAN000305634
U.S. TITANIUM	3	VA	VAD980705404
VERMICULITE NU 1	3	VA	VAN000305645
BLACK FORK FISH KILL	3	WV	WVD988803227



Mid-Atlantic Superfund

You are here: [EPA Home](#) | [Mid-Atlantic Cleanup](#) | [Mid-Atlantic Superfund](#) | [Pennsylvania Sites](#) | [Ambler Asbestos Pile](#)

Ambler Asbestos Piles

Current Site Information

EPA Region 3 (Mid-Atlantic)	EPA ID# PAD000436436	Other Names
Pennsylvania Montgomery County Borough of Ambler	13th Congressional District Last Update: July 2006 No future updates anticipated	Nicolet Corporation CertainTeed Corporation

Current Site Status

The U.S. Environmental Protection Agency completed the cleanup for the 25-acre Ambler Asbestos Piles site on August 30, 1993. Human health threats and potential environmental impacts have been minimized, and the site was removed from the National Priorities List, EPA's list of Superfund sites, December 27, 1996. Two five-year reviews of the remedy were completed May 27, 1997 and September 25, 2002. Both reviews confirmed that the cleanup of the site continues to be protective of human health and the environment. Ongoing-term operation and maintenance of the site is ongoing.

Site Description

The Ambler Asbestos Piles site is made up of three asbestos-containing waste piles and a series of filter bed lagoons. The total volume of asbestos-contaminated waste in the piles is estimated to exceed 1½ million cubic yards. The site is located in Ambler, Pennsylvania (13th Congressional District) and is surrounded by a mixed commercial/residential area. Approximately 6,000 people live within ½-mile of the site. The nearest residence is within 200 feet of one of the piles; about 40 residences are located within 1/4-mile. Wissahickon Creek and its flood plain border the site.

The Piles were constructed with the deposition of both solid asbestos wastes that were dumped on the surface and waste slurries that were pumped into cinder berms constructed on the piles to contain the slurries allowing them to dry. Dumping of asbestos-containing waste on the site apparently began in the early 1930's and continued until 1974. The EPA-approved final cleanup of the Ambler Asbestos Piles Site was completed on August 30, 1993.

Site Responsibility

The cleanup of this site was the responsibility of the Federal government and parties potentially responsible for site contamination.

NPL Listing History

One of the country's most serious, uncontrolled, or abandoned hazardous waste sites can be cleaned using federal money. To be eligible for federal cleanup money, a site must be put on the National Priorities List. This site was proposed to the list on October 10, 1984 and formally added to the list June 10, 1986. Remedial actions are complete and this site was deleted from the list December 27, 1996.

Threats and Contaminants

During the pre-cleanup investigations, the air, ground water, soil, sediments, and surface water were found to be contaminated with asbestos.

Contaminant descriptions and associated risk factors are available on the Agency for Toxic Substance and Disease Registry, an arm of the CDC, web site at <http://www.atsdr.cdc.gov/hazdat.html> [\[EXIT Disclaimer\]](#)

Cleanup Progress

The cleanup of this Site was accomplished through the following actions. In 1974, the State denied permit applications for continued disposal and ordered both companies to stop dumping and to stabilize and cover the piles. Remedial Investigations were conducted on both parcels to determine the degree and extent of contamination. EPA found asbestos in the soil, in the filter bed lagoon sludges and on equipment in the Locust Street playground, adjacent to the Locust Street Pile. As an early response to these findings, the contaminated playground equipment was removed, the sides of the piles were reinforced and security fencing was constructed around the site. Additional cleanup actions were selected and described in EPA-issued Records of Decisions in 1988 and 1989. These cleanup actions consisted of regrading and capping the pile plateaus; reinforcing the soil cover; installing erosion and sedimentation control devices; draining and backfilling the lagoons with clean soil; installing or upgrading the fencing/locking gates; posting warning signs; and monitoring the air. Where the piles bordered surface water, they were reinforced against erosion. These actions were completed and mitigate the threats of release of asbestos and exposure of the surrounding community.

Two parties entered into separate Consent Decrees to design and implement the remedies. CertainTeed Corporation, as the current owner, conducted the work for Operable Unit 2 detailed in the November 1990 Consent Decree. T&N Industries, Inc., as the parent corporation of a previous owner, conducted the work for Operable Unit 1 under a May, 1991 Consent Decree. The remedies were implemented and on-site physical construction was completed in October 1992; EPA accepted the construction reports in April 1993.

The construction of all remedies, along with all approvals and documentation, at the Ambler Asbestos Piles Superfund site was completed August 30, 1993 and the site was deleted from the National Priorities List on December 27, 1996. Maintenance of the remedies constructed at this Site is conducted as part of an ongoing Operation and Maintenance Program

Contacts

Site Contacts

Administrative Record Locations



Mid-Atlantic Superfund

You are here: [EPA Home](#) [Mid-Atlantic Cleanup](#) [Mid-Atlantic Superfund](#) [Pennsylvania Sites](#) [Butler Mine Tunnel](#) [Current Site Information](#)

Butler Mine Tunnel

Current Site Information

EPA Region 3 (Mid-Atlantic)	EPA ID# PAD980508451	Other Names
Pennsylvania Luzerne County Pittston	11th Congressional District	None
	Last Update: June 2007	

Current Site Status

The U.S. Environmental Protection Agency (EPA) is overseeing the cleanup of this site. The remedy addresses the possible future releases of hazardous substances from the site and consists of the establishment of an Administrative Center which would attempt to predict when a discharge of hazardous substances may occur. Additionally the remedy includes preparation for future remedial response by constructing access roads and anchors along the Susquehanna river's edge and pre-purchasing material needed to respond to potential future flushouts (booms, boats, etc). A Consent Decree was negotiated with potentially responsible parties (PRPs) who have agreed to implement the clean up remedy identified in the Record of Decision. The PRPs completed the remedial design for cleanup in December 2003.

The remedial action at the site (including construction of anchors and purchasing response materials) was completed in September 2005. During the spring 2007, the PRPs performed a training exercise in the Susquehanna River, to test the elements of the flushout-response system, including mobilization of equipment, and boom deployment. Future activities at the Site will include on-river training exercises, tunnel monitoring, and flushout-response system deployments for actual or potential flushouts.

Site Description

The Butler Mine Tunnel located in Luzerne County, Pennsylvania was constructed in the 1930s as a collection and discharge point for mine drainage from an estimated five-square-mile area of underground coal mines. Hazardous materials were disposed of in underground mine areas connected to tunnel, which discharges directly to the Susquehanna River. In 1979, an oily discharge coming from the tunnel created an oil slick on the river. The EPA tracked the contaminants from this initial discharge to a municipal water intake 60 miles downstream, which is the sole source of drinking water for approximately 11,700 residents of Danville, Pennsylvania. The oil contamination was then traced to the illegal dumping of hazardous chemicals into a four-inch borehole located 3 1/2 miles from the outlet of the tunnel. The borehole was found to drain into the Butler Mine system. Approximately 25,000 people live within a five-mile radius of the site, and approximately 1,400 people live within the boundaries of the Butler Mine Tunnel site. Also, a number of schools are located within one-mile of the tunnel's discharge point.

Site Responsibility

This site is being addressed through federal, state and potentially responsible party (PRP) actions.

NPL Listing History

Our country's most serious, uncontrolled, or abandoned hazardous waste sites can be cleaned using federal

money. To be eligible for federal cleanup money, a site must be put on the National Priorities List. This site was proposed to the list on June 10, 1986 and added to the list July 22, 1987.

Threats and Contaminants

Preliminary on- and off-site groundwater (mine water) and surface water sampling results have identified contamination from semi-volatile organic compounds (semi-VOCs) and petroleum hydrocarbons thought to have originated from the mine tunnel. Potential human risks exist if individuals ingest or come into contact with contaminated surface water and groundwater. Possible risks also exist if individuals eat contaminated fish or livestock. The Susquehanna River is the area's source of drinking water and is a valuable ecological resource.

Contaminant descriptions and associated risk factors are available on the Agency for Toxic Substance and Disease Registry, an arm of the CDC, web site at <http://www.atsdr.cdc.gov/hazdat.html> [\[EXIT Disclaimer\]](#)

Cleanup Progress

In 1979, in response to the Butler Mine discharge, EPA emergency personnel installed booms to collect the oily substances on the surface. The booms continued to operate until 1980, collecting a total of 160,000 gallons of oil, which contained approximately 13,000 pounds of VOCs. After the booms were removed, an automated detection system was installed at the tunnel and was operated by the State until 1984, during which time there was no evidence of any additional discharge from the tunnel. In 1985, approximately 100,000 gallons of waste oil were released at the Butler Mine Tunnel, following the heavy rains associated with Hurricane Gloria. EPA once again responded by installing booms on the river and collecting the contaminated oil. The existing monitoring boreholes were sampled, and contaminated vegetation was removed.

In 1987, the potentially responsible parties (PRPs), under EPA oversight, began an investigation to determine the extent of the contamination and to identify the alternative technologies available for cleanup. The investigation is complete and the Record of Decision was issued in 1996.

A Consent Decree was negotiated with the potentially responsible parties (PRPs) who have agreed to implement the clean up remedy identified in the Record of Decision. The PRPs completed the remedial design for cleanup in December 2003.

The remedial action at the site (including construction of anchors and purchasing response materials) was completed in September 2005. During the spring 2007, the PRPs performed a training exercise in the Susquehanna River, to test the elements of the flushout-response system, including mobilization of equipment, and boom deployment. Future activities at the Site will include on-river training exercises, tunnel monitoring, and flushout-response system deployments for actual or potential flushouts.

Contacts

Site Contacts

Administrative Record Locations



Mid-Atlantic Superfund

You are here: [EPA Home](#) [Mid-Atlantic Cleanup](#) [Mid-Atlantic Superfund](#) [Pennsylvania Sites](#) [Foote Mineral Company](#)

Foote Mineral Company

Current Site Information

EPA Region 3 (Mid-Atlantic)	EPA ID# PAD077087989	Other Names
Pennsylvania		None
Chester County	7th Congressional District	
East Whiteland Township		
	Last Update: July 2006	

Current Site Status

The U.S. Environmental Protection Agency selected a remedy for this site detailed in a Record of Decision issued March 30, 2006. The remedy includes excavation and off-site removal of radiation-contaminated soils; stabilization of process tailings located in one of the two on-site quarries; and consolidation of other site wastes, debris and contaminated soils into the quarries followed by capping of the quarries at surrounding grade. EPA is negotiating with potentially responsible parties to implement the remedy.

a Description

The Foote Mineral Co. site is located on a 79-acre property primarily in East Whiteland Township, Pennsylvania. Foote used the site to make lithium chemicals, process lithium metal and other ores, and develop inorganic fluxes for the metal industry. Ores and minerals were also crushed and sized as part of site operations. When the plant closed in 1991, the site included two quarries, a pit used to burn solvents, a lined basin and more than 50 buildings and process areas. There were also three unlined lagoons that had been leveled and backfilled, and an area where a small amount of neutralized lithium arsenite was buried and later removed. The site is bordered by public roads, mixed commercial and agricultural properties, a former railroad right of way, and an electric utility substation. Public and private wells within four miles of the site had supplied drinking water to approximately 42,300 people. The nearest of the private wells was only 800 feet away, and in the path of underground water that flows through the site. That well and other private residential wells found to be impacted by contamination are no longer used for drinking water. A public water supply well approximately a mile downgradient has since been shut down due to contamination.

Site Responsibility

Cleanup of this site is the responsibility of Federal and State governments, and parties potentially responsible for site contamination (PRPs).

NPL Listing History

Our country's most serious uncontrolled or abandoned hazardous waste sites can be cleaned using federal money. To be eligible for federal cleanup money, a site must be put on the National Priorities List (NPL). This site was proposed to the NPL on February 7, 1992 and formally added to the list on October 14, 1992.

Threats and Contaminants

The primary contaminants of concern at this site are lithium, boron and chromium which, can also be found at low levels in nature. Bromate, an inorganic compound that is not normally found in water is also a contaminant of concern at this site. Volatile organic compounds (VOCs), the chemical components of fuels, and other organics have been found at Foote, but have not traveled off of the property. Soil in some areas of the property is contaminated with petroleum hydrocarbons. One of the quarries now contains an estimated 256,000 cubic yards of waste materials from the plant operations. On-site monitoring wells are contaminated with VOCs and the heavy metals: lithium, chromium, arsenic, and antimony. Lithium, boron and chromium were also detected in off-site public and private wells. In November of 2001, a newly regulated contaminant, bromate, was detected in groundwater downgradient of the former Foote property; additional sampling showed it to be present in some nearby residential wells and in water on the property. People who ingest or come into direct contact with significant levels of contamination may risk harmful health effects. In surveys conducted since September 2003, radiation has been detected at levels that are higher than the natural background for this site. The radiation was limited to the soils in some small discrete areas of the property.

Contaminant descriptions and associated risk factors are available on the Agency for Toxic Substance and Disease Registry, an arm of the CDC, web site at <http://www.atsdr.cdc.gov/hazdat.html> [\[EXIT Disclaimer\]](#)

Cleanup Progress

In June 1990, Cyprus Foote Mineral Co., Inc. signed a legal agreement with EPA to conduct the work necessary to evaluate the contamination in groundwater and ensure that the local residents were using safe water. This work included a groundwater survey of the area, providing an alternate source of water for affected residents and five years of groundwater monitoring to ensure the continued safety of residential drinking water supplies. In 1992, Foote removed two underground storage tanks from the site. That same year, Foote excavated 15,000 cubic yards of soil that was possibly contaminated by leakage from an underground petroleum storage tank. This excavated soil was treated using bioremediation, a technique whereby living microorganisms break down the contamination. In September 1996, Cyprus Foote Mineral Co. signed another agreement with EPA. This time, Foote agreed to characterize the contamination problem and risks posed by the site, then develop workable options for cleaning it up. In 1998, the company paid to have the remaining on-site buildings demolished and removed, in order to take away the community nuisance hazard. Also in 1998, during the investigations, the Foote property was sold to Frazer-Exton Development, L.L.C. which agreed to complete the work started by Cyprus Foote Mineral Company. Foote and Frazer Exton Development completed the basic site studies and reports by the end of 2001, however additional investigations and supplemental reports were determined to be necessary.

In November 2001, a previously unsuspected contaminant, bromate, was detected in the groundwater downgradient of the former Foote property. Sampling also revealed that some previously uncontaminated wells had become contaminated, likely due to shifting groundwater patterns caused by the severe multi-year drought conditions existing at that time. Bottled water was provided and connections to public water were installed for the nearby impacted residents. Bottled water was also supplied to additional residents identified in later investigations. EPA proposed a preferred cleanup approach for the site in a Proposed Plan issued August 1, 2003. However that Plan was retracted due to the discovery of low level radioactive contamination in some onsite soils. Additional investigation to determine the level and extent of that contamination has been conducted. A revised Proposed Plan, which will incorporate the findings from the radiation surveys and additional bromate studies, is scheduled to be released for public review and comment in 2005.

In a Record of Decision issued March 30, 2006, the U.S. Environmental Protection Agency selected a remedy for this site. The remedy includes excavation and off-site removal of radiation-contaminated soils; stabilization of process tailings located in one of the two on-site quarries; and consolidation of other site wastes, debris and contaminated soils into the quarries followed by capping of the quarries at surrounding grade. EPA is negotiating with potentially responsible parties to implement the remedy.

Contacts



National Priorities List

Contact Us Search:
EPA Home > Superfund > Sites > National Priorities List (NPL) > Basic Query > Basic Site Query Results

Basic Site Query Results

Active Superfund Sites

On September 04, 2007 at 10:30:16 AM ET, you searched for the following Superfund criteria:

Region: 03
State: PA
County: Greene

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U.S. Environmental Protection Agency

National Priorities List

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EPA Home > Superfund > Sites > National Priorities List (NPL) > Basic Query > Query Data Source

Query Data Source

Data Source	Update Frequency	Date Last Updated
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	Monthly	January 9, 2003
National Priorities List (NPL) Fact Sheets	As updated by each EPA Region	Variable
Record of Decision System (RODS)	As updated within the Record of Decision System	Variable
NPL Listing Data	Per site listing event or change in site status	Variable

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[EPA Home](#) > [Envirofacts](#) > [CERCLIS](#) > Query Results



Query Results



Only CERCLIS facility information was searched to select facilities

County Name: greene
State Abbreviation: PA

Results are based on data extracted on AUG-16-2007

Total Number of Facilities Displayed: 0

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Query Results



Consolidated facility information (from multiple EPA systems) was searched to select facilities

County Name: greene
State Abbreviation: PA

Results are based on data extracted on AUG-16-2007

Below is additional information for CERCLIS sites:

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Total Number of Facilities Displayed: 0

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Mid-Atlantic Superfund

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Pennsylvania Superfund Sites

[[All Sites](#) | [District of Columbia](#) | [Delaware](#) | [Federal Facilities](#) | [Maryland](#) | [Pennsylvania](#) | [Virginia](#) | [West Virginia](#)]

Site Name	EPA ID	NPL Status	City	County	Zip
2314 N. American Street	PAD048613368	Non	Philadelphia	Philadelphia	19123
70th and Kingsessing Trailer	PAD987332848	Non	Philadelphia	Philadelphia	19142
A-1 Auto Body Tire Dump	PAD987334679	Non	Erie	Erie	16501
Abandoned Chemical Trailer	PAD982363939	Non	North Versailles	Allegheny	15137
Action Manufacturing Company	PAD987366515	Non	Atglen	Chester	19310
A.I.W. Frank/Mid-County Mustang	PAD004351003	Final	Exton	Chester	19341
Aladdin Plating	PAD075993378	Deleted	Clarks Summit	Lackawanna	18411
Alderfer Landfill	PAD981939051	Non	Franconia Twp	Montgomery	18924
Allentown Mercury Spill	PASFN0305569	Non	Allentown	Lehigh	18102
Ambler Asbestos Piles	PAD000436436	Deleted	Ambler	Montgomery	19002
Amchem Products, Inc	PAD002348324	Non	Ambler	Montgomery	19002
American Insulator Company	PAD075274431	Non	New Freedom	York	17349
American Street Tannery	PAD981939267	Non	Philadelphia	Philadelphia	19147
Inc - - - - -	PAD041421223	Deleted	Glen Rock	York	17327
Andela aka Warwick Twp Real Estate	PA0000585901	Non	Warwick Twp	Bucks	18929
Ashland Chemical Co.	PAD043394683	Non	Easton	Northampton	18042
Ashland Chemical Company	PAD980552251	Non	Philadelphia	Philadelphia	19148
Austin Ave. Radiation Site	PAD987341716	Deleted	Lansdowne	Delaware	19050
AVCO Lycoming	PAD003053709	Final	Williamsport	Lycoming	17701
Bahn Warehouse/Strawberry Alley	PAD987277977	Non	Mechanicsburg	Cumberland	17055
Baker Brothers Scrap Yard	PAD987389624	Non	Lewisburg	Union	17837
Baldwin Defiance	PAD987285079	Non	Darby Borough	Delaware	19036
Bally Groundwater	PAD061105128	Final	Bally	Berks	19503
Barefoot Disposal	PAD981040611	Non	Hollidaysburgh	Blair	16648
Bay Products	PA0002298107	Non	Philadelphia	Philadelphia	19136
Belfield Avenue	PAD982364036	Non	Philadelphia	Philadelphia	19144
Belfield Paint	PA0000694513	Non	Philadelphia	Philadelphia	19144
Bell Landfill	PAD980705107	Final	Wyalusing	Bradford	18853
Bendix Flight Systems	PAD003047974	Final	South Montrose	Susquehanna	18843
Berkley Products Co. Dump	PAD980538649	Final	Denver	Lancaster	17517
Berks Landfill	PAD000651810	Final	Sinking Springs	Berks	19608
Berks Sand Pit	PAD980691794	Final	Longswamp TWP	Berks	19539
Blosenski Landfill	PAD980539985	Final	West Caln TWP	Chester	19376
Boarhead Farms	PAD047726161	Final	Bridgeton TWP	Bucks	18972
Boiler Steel Plant	PAD987279346	Non	Ambride	Beaver	15003
BoRit Asbestos Site	PA0000000000	Non	Ambler	Montgomery	19002
Boyerlown Farms	PASFN0305457	Non	Gilbertsville	Montgomery	19525
Boyle Galvanizing	PAD000569244	Non	Philadelphia	Philadelphia	19125

Breslube-Penn. Inc.	PAD089667695	Final	Coraopolis	Allegheny	15108
Brodhead Creek	PAD980691760	Deleted	Stroudsburg	Monroe	18360
Brown's Battery Breaking	PAD980831812	Final	Hamburg	Berks	19526
1 Lagoon	PAD980712855	Deleted	Bruin	Butler	16022
Eye Pipeline Emergency Response- Nestle Purina Alpo Plant		Non	Allentown	Lehigh	
Butler Mine Tunnel	PAD980508451	Final	Pittston TWP	Luzerne	18640
Butyric Acid Drum	PAD987379203	Non	Strattonville	Clarion	16258
Butz Landfill	PAD981034705	Final	Jackson TWP	Monroe	18360
C & D Recycling	PAD021449244	Final	Freeland	Luzerne	18224
Centre County Kepone	PAD000436261	Final	State College	Centre	16801
C G Wood	PAD981113558	Non	Jamestown	Mercer	16134
Chain Bike Corp	PAD053061909	Non	Allentown	Lehigh	18103
Chem-Fab Corp	PAD002323848	Non	Doylestown	Bucks	18901
Cochranville Tire Fire	PAD982367831	Non	West Oxford Twp	Chester	19330
Coleman Company	PAD987390523	Non	Philadelphia	Philadelphia	19140
Collegeville Radium	PASFN0305467	Non	Collegeville	Montgomery	19426
Columbia Gas Transmission		Non			
Columbia Plating	PAD981741176	Non	Columbia	Lancaster	17512
Commodore Semiconductor Group	PAD093730174	Final	Norristown	Montgomery	19403
Concept Science Explosion	PASFN0305433	Non	Hanover Twp	Lehigh	18103
Congo Road Boron	PASFN0305500	Non	Congo	Montgomery	19505
Craig Farm Drum	PAD980508527	Final	Parker	Armstrong	16049
Crater Resources	PAD980419097	Final	King of Prussia	Montgomery	19406
Crawford Station HSCA	PAD987270188	Non	Middletown	Dauphin	17057
ek Road Sand Blasting aka River Bend	PASFN0305402	Non	Hartsville	Bucks	18974
asley Farm	PAD981740061	Final	Hereford TWP	Berks	18056
Croydon TCE	PAD981035009	Final	Croydon&Bristol	Bucks	19020
Cryochem	PAD002360444	Final	Boyertown	Berks	19512
Dallas Cleaners Site	PAN000306173	Non	Dallas	Luzerne	18612
Deardorff Drive/Ridge Road HSCA	PAD981939937	Non	Etters	York	17319
Defense Supply Center Philadelphia	PA09715900005	Non	Philadelphia	Philadelphia	19101
Delta Quarries	PAD981038052	Final	Antis & Logan TWP	Blair	16602
Dewart Farms	PASFN0305473	Non	Watsonstown	Northumberland	17777
Donegal TWP Midnight Drum Dump	PAD981738982	Non	Donegal TWP	Butler	16025
Dorney Road Landfill	PAD980508832	Final	Mertztown	Berks	19539
Douglassville Disposal	PAD002384865	Final	Douglassville	Berks	19518
Drake Chemical	PAD003058047	Final	Lock Haven	Clinton	17745
Dublin TCE	PAD981740004	Final	Dublin	Bucks	18917
Duncanville Tanker	PAD981736325	Non	Duncanville	Blair	16635
Dupont Explosives	PAD981939325	Non	Bradford	Mckean	16701
Durham Township Solvent Spill	PAD981738925	Non	Rieglesville	Bucks	18077
E-Z Chemical	PAD987271194	Non	Philadelphia	Philadelphia	19123
Eager Beaver Lumber	PAD004375192	Non	Townville	Crawford	16360
East Mount Zion	PAD980690549	Final	Springettsbury	York	17402
East Norriton PCE	PAN000306145	Non	East Norriton	Montgomery	19404
East Tenth Street	PAD987323458	Proposed	Marcus Hook	Delaware	19061
st Coast Trailer Sales	PA0000634659	Non	Bensalem	Bucks	19020
Eastern Diversified Metals	PAD980830533	Final	Hometown	Schuylkill	18252
Eddystone Ave. Trailer	PAD987269941	Non	Eddystone	Delaware	19094
Elizabethtown Landfill	PAD980539712	Final	Elizabethtown	Lancaster	

Elrama School	PAD981034994	Non	Union Twp	Washington	15332
Enterprise Avenue	PAD980552913	Deleted	Philadelphia	Philadelphia	19153
Fairview Water Co.	PAD987392271	Non	Mt. Pocono Boro.	Monroe	18344
Franklin Electroplating	PAD002268944	Non	Philadelphia	Philadelphia	19133
Franklin & Porter	PAD002345817	Final	Warminster	Bucks	18974
Footle Mineral	PAD077087989	Final	Frazer	Chester	19355
Foster Wheeler Energy Corp	PAD003031788	Non	Mountaintop	Luzerne	18707
Franklin Slag Pile	PASFN0305549	Proposed	Philadelphia	Philadelphia	19134
Franklin Smelting	PAD002280725	Non	Philadelphia	Philadelphia	19134
General Electric - Hammermill	PAD981114820	Non	Lawrence Park TWP	Erie	16511
Glenside Mercury Spill	PA0001401520	Non	Glenside	Montgomery	19038
Grant Chemical	PA0001017144	Non	Philadelphia	Philadelphia	19135
Hamburg - Pine Creek (PDF) (3 pp, 30.8K, About PDF)	PAN000306001	Non	Albany	Berks	19529
Hamburg - Pleasant Hills Trailer Park	PAN000305911	Non	Hamburg	Berks	19526
Hamburg - Port Clinton Avenue	PAN000305872	None	Hamburg	Berks	19526
Hamburg Lead - Kaercher Creek	PAN000305723	Non	Hamburg	Berks	19526
Hamburg Lead - Railcut	PAN000305725	Non	Hamburg	Berks	19526
Hamburg Playground	PAD987332541	Non	Hamburg	Berks	19526
Havertown PCP	PAD002338010	Final	Haverford TWP	Delaware	19041
Hebelka Auto Salvage Yard	PAD980829329	Deleted	Upper Macungie TWP	Lehigh	18062
Heisman Field	PA0002377828	Non	Titusville	Crawford	16354
Heleva Landfill	PAD980537716	Final	Coplay	Lehigh	18037
Hellertown Manufacturing	PAD002390748	Final	Hellertown	Northampton	18055
Henderson Road	PAD009862939	Final	Upper Merion Twp	Montgomery	19406
Hessell Corporation	PAD987283520	Non	Philadelphia	Philadelphia	19132
Hilltop Residential Lab	PASFN0305565	Non	Upper Darby	Delaware	19082
Histand's Supply	PAD069027027	Non	Wycombe	Bucks	18980
Hranica Landfill	PAD980508618	Deleted	Buffalo TWP	Butler	16055
Hunter Farm Drum	PAD987332533	Non	Bakerstown	Allegheny	15007
Hunterstown Road	PAD980830897	Final	Gettysburg	Adams	17325
Hutchinson Mine PCB	PAD982364275	Non	Hutchinson	Westmoreland	15640
Industrial Lane	PAD980508493	Final	Easton	Northampton	18042
Jacks Creek/Sitkin Smelting	PAD980829493	Final	Lewistown	Mifflin	17044
Jackson Ceramix Inc.	PAD001222025	Final	Falls Creek	Jefferson	15840
John Heinz National Wildlife Refuge		Non	Philadelphia	Philadelphia	
Johnson Bronze Co.	PAD981036171	Non	New Castle	Lawrence	16103
Joyce National Powder	PAD101274686	Non	Eldred	McKean	16731
Kelly Drive Sulfuric Acid Spill	PAN000305641	Non	Philadelphia	Philadelphia	19131
Kennett Square Junkyard	PAD980692776	None	Kennett Square	Chester	19348
Kevak Property	PAD981740129	Non	Glen Lyon	Luzerne	18617
Keyser Avenue Borehole	PAD981036049	Removed	Scranton	Lackawanna	18508
Keystone Sanitation Landfill	PAD054142781	Final	Hanover	York	17331
Kimberton Site	PAD980691703	Final	Kimberton	Chester	19442
Komak/Ontario Street	PAD982364416	Non	Philadelphia	Philadelphia	19140
Lackawanna Refuse	PAD980508667	Deleted	Old Forge	Lackawanna	18504
Lancaster Battery	PAD003004496	Non	Lancaster	Lancaster	17604
Lansdowne Radiation Site	PAD980830921	Deleted	Lansdowne	Delaware	19050
Layton Landfill	PAD981044845	Non	Perry Twp.	Fayette	15482
Lehigh Electric and Engineering Co.	PAD980712731	Deleted	Old Forge	Lackawanna	18518

Lehman MTBE	PA0000057471	Non	Lehman	Luzerne	18627
Letterkenny Army Depot PDO Area SF Area	PA6213820503 PA2210090054	Final	Chambersburg	Franklin	17201
Lehigh Valley Landfill	PAD980712798	Final	Harrison TWP	Allegheny	15065
Lehigh Valley San Section Contamination Site	PASFN0305530	Non	Philadelphia	Philadelphia	19120
Lord-Shope Landfill	PAD980508931	Final	Girard	Erie	16417
Lower Darby Creek Area	PASFN0305521	Final	Darby TWP	Delaware and Philadelphia	19023
MW Manufacturing	PAD980691372	Final	Valley TWP	Montour	17821
Malitovsky Drum Company	PAD980831408	Non	Pittsburgh	Allegheny	15201
Malvern TCE	PAD014353445	Final	Malvern	Chester	19355
Marcus-Paulsen	PA0001411552	Non	Denbo	Washington	15429
Marjol Operation	PAD003041910	Non	Throop	Lackawanna	18512
Mayburg Tar Pit	PAD980832612	Non	Mayburg	Forest	16347
McAdoo Associates	PAD980712616	Deleted	McAdoo	Schuylkill	18237
Merit Products	PAD987322534	Non	Philadelphia	Philadelphia	19132
Metal Bank	PAD046557096	Final	Philadelphia	Philadelphia	19135
Melcoa	PAD080719446	Non	Pulaski TWP	Lawrence	16143
Metro Container Corp	PAD044545895	Non	Trainer	Delaware	19013
Metropolitan Mirror & Glass	PAD982366957	Deleted	Frackville	Schuylkill	17931
Middletown Air Field	PAD980538763	Deleted	Middletown	Dauphin	17057
Mill Creek Dump	PAD980231690	Final	Erie	Erie	16505
Modern Sanitation	PAD980539068	Final	York	York	17404
Monroe Street	PAD982367625	Non	York	York	17404
Moosic	PA0002008506	Non	Avoca	Luzerne	18641
Morris Landfill	PAD980508766	Final	Collegeville	Montgomery	19426
Municipal/Industrial Disposal Corp	PAD982366353	Non	Elizabeth Twp	Allegheny	15037
National Vulcanized Fiber	PAD107214116	Non	Kennett Square	Chester	19348
Naval Air Development Center	PA6170024545	Final	Warminster	Bucks	18974
Navy Ships Parts Control Center	PA3170022104	Final	Mechanicsburg	Cumberland	17055
Nickel Plate Road	PAD982367369	Non	Cochranston	Crawford	16314
North Penn Area 1	PAD096834494	Final	Souderton	Montgomery	18964
North Penn Area 2	PAD002342475	Final	Hatfield	Montgomery	19440
North Penn Area 5	PAD980692693	Final	Colmar	Montgomery	18915
North Penn Area 6	PAD980926976	Final	Lansdale	Montgomery	19446
North Penn Area 7	PAD002498632	Final	Lansdale	Montgomery	19446
North Penn Area 11	PA0001412311	Non	Creamery	Montgomery	19474
North Penn Area 12 (Transicoil)	PAD057152365	Final	Worcester	Montgomery	19490
Northeastern Pennsylvania Inland Sub-Area Plan		Non			
Novak Sanitary Landfill	PAD079160842	Final	Allentown	Lehigh	18104
O'Brien Machinery	PAD987379187	Non	Downingtown	Chester	19335
Occidental Chemical Corp	PAD980229298	Final	Pottstown	Montgomery	19464
Ohio River Park	PAD980508816	Final	Neville Island	Allegheny	15225
Oil Tank Lines Inc.	PA0001909522	Non	Darby	Delaware	19023
Old Barrett Building	PAD987277175	Non	Philadelphia	Philadelphia	19146
Old City of York Landfill	PAD980692420	Final	Seven Valleys	York	17360
Old Wilmington Road Ground Water Contamination / Perry Phillips Landfill	PAD981938939	Final	Sadsburyville	Chester	19320
ORFA Manufacturing Co	PAD987400561	Non	Philadelphia	Philadelphia	19143
Osborne Landfill	PAD980712673	Final	Grove City	Mercer	16127
Pagan Road	PAD981033632	Non	Summit Twp	Erie	16509

Palmerton Zinc Piles	PAD002395887	Final	Palmerton	Carbon	18071
Paoli Rail Yard	PAD980692594	Final	Paoli	Chester	19301
Pathan Chemical	PAD067399378	Non	Philadelphia	Philadelphia	19125
Alley Parking Lot	PAN000305909	Non	Hamburg	Berks	19526
Foam Corp	PAD080874282	Non	Raubsville	Northampton	18042
Pennsylvania 500		Non	Long Pond	Monroe	18334
Pennsylvania Dept of Transportation Lab	PAD980827851	Non	Harrisburg	Dauphin	17101
Penrose Drum	PAD987279890	Non	Philadelphia	Philadelphia	19145
Perkasie ICE	PAN000306027	Non	Perkasie	Bucks	18944
Philadelphia Naval Complex	PA4170022418	Non	Philadelphia	Philadelphia	19112
Plymouth TWP CO2 Release	PASFN0305547	Non	Plymouth TWP	Montgomery	19428
Pottstown Drum	PAD981738818	Non	Pottstown	Montgomery	19464
Precision National Corp.	PAD053676631	Non	Clarks-Summit	Lackawanna	18411
Presque Isle	PAD980508865	Deleted	Erie	Erie	16501
Price Battery	PAN000305679	Final	Hamburg	Berks	19526
Printed Circuits	PAD054717475	Non	Bristol Twp	Bucks	19007
Publicker Industries	PAD981939200	Deleted	Philadelphia	Philadelphia	19148
Purolite Chemical	PAD987277498	Non	Philadelphia	Philadelphia	19122
Raymark	PAD039017694	Final	Hatboro	Montgomery	19040
Recticon/Allied Steel	PAD002353969	Final	Parker Ford	Chester	19457
Reeser's Landfill	PAD980829261	Deleted	Upper Macungie Twp	Lehigh	18062
Resin Disposal	PAD063766828	Deleted	Jefferson Boro	Allegheny	15025
Revere Chemical	PAD051395499	Final	Revere	Bucks	18953
River Bend aka Creek Road Sand Blasting	PASFN0305402	Non	Hartsville	Bucks	18974
er Road Landfill	PAD000439083	Deleted	Sharpsville	Mercer	16146
esonia Mercury	PA0002122927	Non	Robesonia		19551
Rodale Manufacturing	PAD981033285	Final	Emmaus	Lehigh	18049
Rohm and Haas Landfill	PAD091637975	Removed	Bristol Twp	Bucks	
Route 522 Bridge	PA0002021731	Non	Lewistown	Mifflin	17044
Route 563 Drum	PAD981738867	Non	Salford Twp	Montgomery	18957
Route 940 Drum Dump	PAD981034630	Deleted	Tobyhanna	Monroe	18350
Royal Dry Cleaners	PAD987279817	Non	Lansdale	Montgomery	19446
RR2 Emlenton Lead	PASFN0305448	Non	Emlenton	Venango	16373
Ryeland Road	PAD981033459	Final	Heidelberg	Berks	19567
Sable Diamonds	PAD982364234	Non	Philadelphia	Philadelphia	19106
Sabol Farm Drum	PA0001096171	Non	Girard	Erie	16417
Sackville Mills Property	PA0000198846	Non	Nether Providence	Delaware	19086
Saegertown Industrial Area	PAD980692487	Final	Saegertown	Crawford	16433
Safety Light Corporation	PAD987295276	Final	Bloomsburg	Columbia	17815
Salford Quarry	PAD980693204	Proposed	Lower Salford TWP	Montgomery	19438
Salt Service	PAD987387578	Non	Ridley Park	Delaware	19078
Second Street Electoplating	PAD987270964	Non			
Shaler/JIC Properties	PAD981041064	Non	Bruin Twp	Butler	16022
Sharon Steel Corp. (Farrell Works Disp Area)	PAD001933175	Final	Farrell	Mercer	16121
Shriver's Corner	PAD980830889	Final	Gettysburg	Adams	17325
Solly Ave. Midnight Dump Site	PAD981738800	Non	Philadelphia	Philadelphia	19111
South West Philadelphia Sludge Spill	PAD987336989	Non	Philadelphia	Philadelphia	19153
USCD Schoolyard Site	PAD981738743	Non	Punxsatawney	Jefferson	15767
Stanley Kessler	PAD014269971	Final	King of Prussia	Montgomery	19406
Starbrick Area	PAD980918510	Non	Conewango Twp	Warren	16365

State Road	PAD002279040	Non	Philadelphia	Philadelphia	19135
Strasburg Landfill	PAD000441337	Final	Newlin TWP	Chester	19320
Struble Trail Drums	PA0001405166	Non	E. Caln. Twp.	Chester	19335
Swissvale Auto Surplus Parts	PAD980692560	Non	Swissvale	Allegheny	15218
Asbestos	PA0002269660	Non	Philadelphia	Philadelphia	19145
Tacony Warehouse	PA0210000931	Non	Philadelphia	Philadelphia	19135
Taylor Borough Dump	PAD980693907	Deleted	Taylor	Lackawanna	18517
Thompson Street Trailer	PAD987268646	Non	Philadelphia	Philadelphia	19125
Tobyhanna Army Depot	PA5213820892	Final	Tobyhanna	Monroe	18466
Tonolli Corp	PAD073613663	Final	Nesquehoning	Carbon	18240
Tranguch Gasoline	PA0001409671	Non	Hazleton	Luzerne	18201
Trowbridge Estates Mercury	PAD982363160	Non	Feasterville	Bucks	19020
Tysons Dump	PAD980692024	Final	Upper Merion TWP	Montgomery	19406
UGI Columbia Gas Plant	PAD980539126	Final	Columbia	Lancaster	17512
United Chemical Technologies	PA0000382820	Non	Bristol	Bucks	19007
USA Support Oakdale formerly: C. E. Kelly Support Facility	PA5210022344	Non	Oakdale	Allegheny	15071
Valley Forge National Historic Park	PA9141733080	Non	Valley Forge	Chester	19481
Valmont TCE (Former Valmont Industrial Park)	PAD982363970	Final	West Hazleton	Luzerne	18201
Verdict Chemical Site	PAN0000305629	Non	Philadelphia	Philadelphia	19133
Voortman Farm	PAD980692719	Deleted	Ladark	Lehigh	18034
Wach's Landfill	PAD980918767	Non	S. Huntingdon	Westmoreland	15089
Wade (ABM)	PAD980539407	Deleted	Chester City	Delaware	19013
Walsh Landfill aka Welsh Landfill	PAD980829527	Final	Honeybrook	Chester	19344
Warwick Twp Real Estate aka Andela	PA0000585901	Non	Warwick Twp	Bucks	18929
Watson Johnson Landfill	PAD980706824	Final	Richlandtown	Bucks	18955
West Dauphin Chemical	PAN000305598	Non	Philadelphia	Philadelphia	19133
Westinghouse Electric (Sharon)	PAD005000575	Final	Sharon	Mercer	16146
Westinghouse Elevator Co.	PAD043882281	Final	Gettysburg	Adams	17325
Westline	PAD980692537	Deleted	Westline	McKean	16751
Whitemarsh Twp. Drum Dump	PAD982366841	Non	Plymouth Meeting	Montgomery	19462
Whitmoyer Labs	PAD003005014	Final	Myerstown	Lebanon	17067
William Dick Lagoons	PAD980537773	Final	West Caln TWP	Chester	19376
Willow Grove Naval Air Station	PAD987277837	Final	Willow Grove	Montgomery	19090
Woodard Property Abandoned Drums	PAD987329794	Non	Erie	Erie	16501
York County Solid Waste and Refuse Authority	PAD980830715	Deleted	Hopewell TWP	York	17363
York Metal Finishing	PAN000305638	Non	Philadelphia	Philadelphia	19133

Blue Mountain, Operable Unit #1

In 1987, the EPA selected an interim remedy to clean up approximately 2,000 acres of Blue Mountain, which included installing a concrete pad with berms to mix sewage sludge and fly ash, spreading lime and potash on the areas to be revegetated, and planting grass seed and tree seed on the area. Horsehead Resource Development, Company/Zinc Corporation of America has conducted plantings/seedings on approximately 775 acres of the mountain. The first phase of construction was begun in 1991. The final phase of the construction (grading/seeding) was completed in 1995. In 1994, reclamation experts with the U.S. Army Corps of Engineers evaluated the progress of the remedy and found that while grass had largely been established on Blue Mountain, tree growth from seeds was well below target.

In November 1996, EPA requested that the PRP, Zinc Corporation of America, a division of Horsehead Industries, Inc. extend the remedial approach to establish grass cover on the remaining yet untreated 1,000 denuded acres of mountain. The PRP has refused to perform any work on this portion of Blue Mountain. In December 1999, EPA ordered Viacom and Horsehead to vegetate the additional 1,000 acres. In March 2000, EPA received the Remedial Design Workplan as required by the order from Viacom. In Fall 2000, EPA gave approval of Viacom's preliminary design calling for application of seed, manure, fertilizer, flyash and lime from the air to accomplish revegetation of the Mountain. EPA's approval was contingent on the success of 12 one acre field pilot test plots, utilizing varying mixtures of manure, seed fertilizer, flyash and lime. The field pilot test plot applications were conducted in October, 2000. EPA and representatives of the PRPs, PADEP and DOI conducted site visits in May and again in September 2001 to evaluate the success rates of the pilot test plots. It was determined that preliminarily two of the twelve test plots had been initially successful in establishing vegetative cover. However, due to concerns regarding long term survivability it was decided that further evaluation of the plots through Spring 2002 was warranted. EPA has recently received a report from Viacom detailing the test plot applications, observations and evaluations from the site visits and also suggesting possible resolutions for concerns raised during the evaluation process. EPA is currently reviewing the report and will be providing comments to Viacom. After reviewing the report and continued monitoring through Spring 2002 EPA determined that a second pilot test would be necessary to see if changes in the application process would provide better results. The second pilot test was implemented in Spring/Summer 2003. Those plots (56 total) will be monitored through 2003 and 2004, and if the vegetation is successful in establishing vegetation, the remaining revegetation will be done, with some modifications aimed at improving the design, on the formula used in the successful test plots. EPA approved a second preliminary design for revegetation of the non publicly owned land remaining in April 2006. Work to apply amendments, fertilizer, lime and warm season grasses to over 200 acres via agricultural tractor and spreader and an additional approx. 200 acres via fixed wing crop-duster type aircraft was completed in September 2006. EPA is currently working with PADEP, PA Game Commission and National Park Service along with the responsible party to complete a design for the remaining denuded public land (approx. 600 acres) along the Appalachian Trail on the top of Blue Mountain. A design is planned for Summer 2007 with access work to begin in Fall 2007 followed by revegetation work in Spring 2008.

Cinder Bank, Operable Unit #2

In 1988, the EPA selected a remedy to clean up the cinder bank, which included revegetating the area and extinguishing the subsurface smoldering fire. Engineering and cost analysis of this selected remedy is under review. Review of this analysis may result in selection of an alternative remedy. Horsehead Resource Development, Co. recently completed several additional studies for the cinder bank. One such plan was to provide a vegetative cover to portions of the Cinder Bank to prevent airborne and precipitation-borne release of contaminants. EPA was able to approve a scaled-down version of the original (94 acre) work plan in August 1995. Zinc Corporation of America has graded approximately 13 acres of the cinder bank in preparation for the experimental application of a sludge/fly ash mitigated vegetative cover, originally slated to begin in spring 1996. However, in 1995, the parent company signed a consent decree with the United States to address violations of hazardous waste, clean water and clean air regulations associated with their ongoing industrial operation. Surface water will be diverted around the cinder bank, contaminated leachate will be treated prior to discharge to Aquaschicola Creek and a vegetative cover was to be placed on the cinder bank under this consent decree. The final plan for this agreement was approved by EPA. The plan

was implemented in the Spring 2000. This work was completed in the Fall of 2002. Monitoring of the treated discharge and revegetation is ongoing.

Remediation of Palmerton, Operable Unit #3

In May 1994, EPA cleaned the residences with the highest contaminant levels and residents most at risk. Through November 1997, almost 350 homes have been sampled for contamination and 200 residences have been cleaned.

Late in 1994, following the rejection of two PRP-funded risk assessments (1991 and 1994), EPA Region III launched a participatory effort on the risk assessment between EPA, the PRPs and the stakeholders in the Palmerton community. This effort is the first of its kind in the Superfund Program and was completed in September 1997. EPA shared the results of their community-based risk assessment with Palmerton-area stakeholders in February 1998 and issued the risk assessment in final form in May 1998. EPA looked at recommended alternatives to remediate the health risks identified in a feasibility study which was completed in the Spring of 2000. EPA then issued a proposed remedial action plan for comment from the general public in June 2000. After carefully evaluating comments received on the Proposed Remedial Action Plan, EPA issued a final Record of Decision (ROD) on October 9, 2001. The final ROD sets forth the final cleanup plan for residential soils in the Palmerton area. EPA worked with Viacom to develop plans to begin the solicitation for sampling and actual exterior soil sampling to determine if clean-up were necessary. The first phase of the solicitation and sampling began in the Fall 2002. Approximately 800 properties were sampled before winter conditions set in. Of the properties sampled in Fall 2002 approximately 13% were found to have levels of lead above EPA's clean-up standards. The second phase of solicitation began in June 2003. A total of 2,400 property owners have been contacted for permission to be sampled. Over 1500 properties were sampled. Approximately, 180 properties were eligible for soil cleanup. Soil cleanups were completed in the Fall 2004 with minimal follow-up work on some properties in 2005. Interior Dust sampling began in 2004 on properties where soil cleanup was completed. Initial clean-ups of eligible properties began in late September 2004. A total of 20 interiors which required clean-up were completed by Summer 2005. Work for this Operable Unit is essentially complete.

Groundwater and Surface Water, Operable Unit #4

The EPA issued Special Notice and an Administrative Order on Consent to allow the potentially responsible parties to study the type and extent of the contamination in groundwater, site streams and creeks. In 1996, the PRPs refused to perform this work. EPA has since taken over the groundwater and surface water investigation and in the face of some citizens' apprehension has been working with the community, State agencies, state and local government to communicate the importance and the safety of performing this investigation. In November 1997, EPA began residential well surveys of the surrounding communities to identify existing wells that would be suitable for sampling prior to the commencement of well-drilling. In July 1998 EPA sampled four home wells nearest the Site. The results indicated that the metals analyzed for, cadmium and lead, were not detected above EPA Region III risk based concentrations, or Maximum Contaminant Levels (MCLs). In December 1998 EPA sampled on-site monitoring wells and compared the results to the existing groundwater data from the same wells collected by the PRPs. The newly collected data had similar concentrations of cadmium, lead and zinc as the historical data. EPA also sampled five wells located at the eastern end of the cinder bank in April, 1999. The results were consistent with concentrations found in the monitoring wells sampled in December. Based on a review of all of the existing and newly collected data, EPA announced at a joint Groundwater Committee and Palmerston Environmental Task Force meeting that deep wells would no longer be necessary at the site. EPA is currently overseeing finalization of a Remedial Investigation (RI)/Feasibility Study (FS) which will utilize existing ground water data as well collect additional data from soils, surface water and groundwater to try to determine the extent of contamination. EPA's ecological risk assessment which will be incorporated with the remedial investigation. After the RI/FS is completed, EPA will evaluate several possible cleanup plans. After the RI/FS studies and reports are completed, EPA expects to issue a final clean up plan, or Record of Decision sometime in 2008.

Contacts

Contacts

Administrative Record Locations



Mid-Atlantic Superfund

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Sharon Steel

Current Site Information

EPA Region 3 (Mid-Atlantic)	EPA ID# PAD001933175	Other Names
Mercer County	4th Congressional District	None
	Last Update: June 2007	

Current Site Status

The U.S. Environmental Protection Agency (EPA) is overseeing the cleanup of the Sharon Steel Farrell Works site (the Site). The Phase I Remedial Investigation (Phase I) has been completed. Phase I sampling activities included: soil, ground water monitoring wells, residential wells, slag, sludge, surface water and sediment. Health and ecological risk screening was performed using the Phase I results. EPA determined from the Phase I results that a Phase II Remedial Investigation (Phase II) would be needed to fill data gaps. The data gaps to be addressed during Phase II include: evaluating the deeper groundwater aquifer, collecting ecological samples, performing air modeling, establishing background concentrations of contaminants in the Site area, and obtaining data regarding ground water flow. After Phase I, EPA met with local residents individually to discuss their residential well sampling results, provide fact sheets, respond to questions, and update the residents on the progress of the Remedial Investigation. Additionally, EPA met with Public Officials of Trumbull County (Ohio), Wheatland, West Middlesex, Farrell, Hermitage, and Shenango Township to brief the officials on the results from Phase I and to discuss the upcoming Phase II. EPA also met with the Ohio Health Department to discuss well sampling results for local residents who are living in Ohio. EPA briefed the Ohio Health Department on the presence of elevated metals in residential well samples and their possible natural occurrence. EPA's contractor and their sub-contractors have recently begun Phase II. Sampling in Phase II Remedial Investigation included installing monitoring wells in the deeper aquifer, collecting another round of residential well samples, taking soil samples, and taking biological samples. The EPA has received all data from the sampling and ecological and human health risk assessment has been completed. The EPA and PADEP is currently finalizing the draft Remedial Investigation Feasibility Study Report and finalizing the Proposed Plan for the Sharon Steel Site. EPA briefed public officials of the EPA preferred cleanup option for the Site. EPA also finished a fact sheet which summarized the EPA preferred alternative to the public. The Record of Decision was signed by EPA on 11-14-2006. The EPA preferred innovative alternative includes regrading and contouring the contaminated slag piles and mixing Class A biosolid from a local treatment plant and vegetating the biosolid cap. The biosolid cap will reduce the mobility of the metals in the groundwater and minimize runoff into the Shenango River and minimize dust migration from the slag. The selected remedy described below is the response action for the OU-1 component of the Site. The remedy addresses contaminated slag and sludge at the Site and includes the following major components:

- I. Regrading, contouring and treatment of the slag and sludge source material with a Biosolid Cap. There is a phased approach planned for the implementation of the Biosolid Cap;
 - II. Stabilization of the eroded Shenango River banks;
 - III. Institutional controls to protect remedy, restrict land and groundwater use on Site;

IV. Design and implement a long-term monitoring plan for groundwater, surface water and sediment on Site for protection of human health and the environment and to evaluate remedy performance.

acquired access from all parties associated with the northern portion of the Sharon Steel Site to complete the biosolids pilot scale study. The pilot study consists of four test plots on northern portion of the Site. Due to the coordinated efforts of EPA's contractor and EPA personnel, the biosolids were applied in time for the 2007 growing season. ERT will be planting the plots with seeds this week. Biosolids are being used at the Site to remediate metal contaminated soils. A prior bench scale study was completed using the biosolids to determine the optimum percentage of biosolids required for treatment of the metal contaminated slag. This optimum percentage of biosolids was applied during the recent pilot scale study.

Site Description

The Sharon Steel Corporation Farrell Works Disposal Area site is an area of about 400 acres located in Mercer County in Western Pennsylvania, within a few hundred feet of the Ohio/Pennsylvania border. The site is southwest of the former Sharon Steel Corporation Farrell Works, and is bordered on the east by the Shenango River. Beginning about 1900, the Sharon Steel Corporation used the area to dispose of blast furnace slag, electric arc furnace slag, basic oxygen furnace slag, and sludge. From 1949 to 1981, millions of gallons of spent pickle liquor acid were dumped over the slag. It was thought that the acid would partially evaporate and then be neutralized by the carbonates in the slag. In actuality, groundwater contamination resulted. The site is located in the flood plain of the Shenango River, and there are several wetland areas on site.

Site Responsibility

This site is being addressed through Federal actions.

NPL Listing History

country's most serious, uncontrolled, or abandoned hazardous waste sites can be cleaned using federal money. To be eligible for federal cleanup money, a site must be put on the National Priorities List. This site was proposed to the list on March 6, 1998 and formally added to the list on July 28, 1998..

Threats and Contaminants

Contaminants detected in soils, slag and sludge and groundwater on Site included metals, PAHs, PCBs and pesticides. Data evaluated in the Remedial Investigation also indicates that the groundwater flow in the aquifers on site are transporting site-related contamination away from the residents. In conclusion, contaminated groundwater from the Site is not impacting residential wells.

Contaminant descriptions and associated risk factors are available on the Agency for Toxic Substance and Disease Registry, an arm of the CDC, web site at <http://www.atsdr.cdc.gov/hazdat.html> (EXIT Disclaimer)

Cleanup Progress

The Sharon Steel Superfund Site is a 400 acre Site with 100 acres of wetlands. The site is characterized by widespread deposits of slag with related waste materials from the Sharon Steel Manufacturing Plant with disposal of pickle liquor. A multimedia-phased fund lead investigation to pinpoint areas of contamination was conducted. The phase I remedial investigation was started September of 1999 and completed in April of 2001 and included an endangered species snake survey and sampling for contaminants of potential concern (COPCs) in relation to human health risk in surface waste, subsurface waste, surface soil, subsurface soil, residential well water, surface wells in groundwater and air. The phase II remedial investigation was completed from August 2002 to May of 2003 to fill in data gaps from phase I and included COPCs regarding human health in surface water, wetland assessment, ecological characterization and biota assessment, sediment, and hydro geological assessment in the deeper aquifer of groundwater.

Local elected officials and the community of Farrell have been advised of EPA's actions which will lead to remedial activities the site. Interest was shown by aggregate or road material producers in the on-Site slag

material. EPA has issued two Prospective Purchase Agreements. Farrell Slag, Inc. (Farrell Slag) succeeded in purchasing the area on site, south of Ohio Street. Farrell Slag has been working with EPA and the Pennsylvania Department of Environmental Protection (PADEP) in the requirements needed for the slag cap on Site. The ecological and human health risk assessment has been completed. The EPA and PADEP finalized the Remedial Investigation Feasibility Report and the Proposed Plan which outlines the EPA preferred cleanup option for the Site. The EPA planned a public meeting the end of July 2006 to discuss the EPA preferred alternative for the Site with the public. The Record of Decision was signed by management on 11-14-2006. The EPA preferred innovative alternative includes regrading and contouring the contaminated slag piles and mixing Class A biosolid from a local treatment plant and vegetating the biosolid cap. The biosolid cap will reduce the mobility of the metals in the groundwater and minimize runoff into the Shenango River and minimize dust migration from the slag. Additionally, there would be long term monitoring of the groundwater and the Shenango River to ensure the remedy is working.

EPA acquired access from all parties associated with the northern portion of the Sharon Steel Site to complete the biosolids pilot scale study. Biosolids are being used at the Site to remediate metal contaminated soils.

Contacts

Site Contacts

Administrative Record Locations



<http://www.epa.gov/superfund/sites/npl/pa.htm>
 National Priorities List (NPL) Updated on Wednesday, November 28th, 2007.

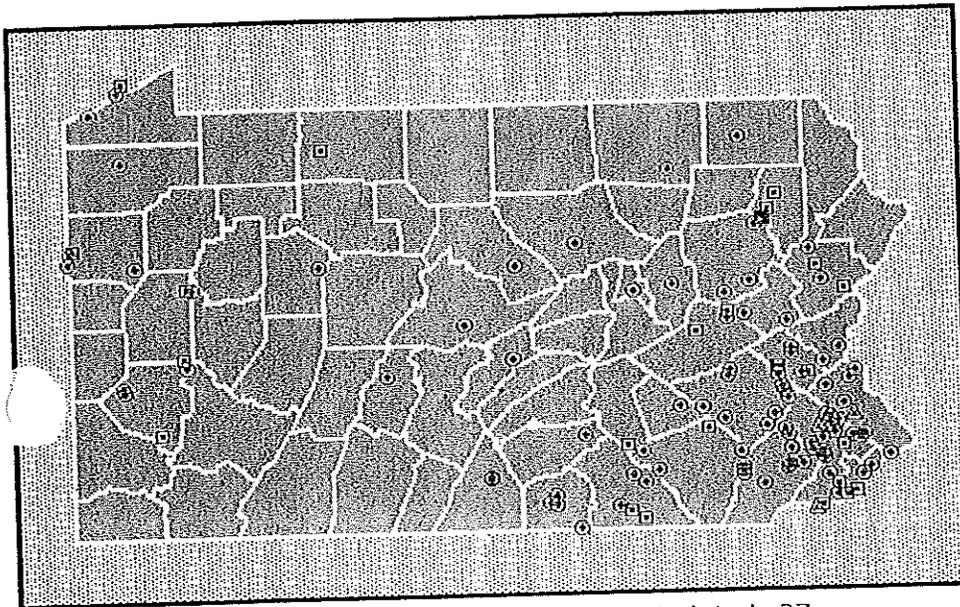
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National Priorities List Sites in Pennsylvania

Site-specific resources available from this page include Site Progress Profiles, site narratives, and Federal Register notices.

Access these resources ...

- by map, click on the site of interest.
- by list, of all NPL sites in Pennsylvania by county.



Map Key: Δ Proposed: 3 \odot Final: 93 \square Deleted: 27

NPL Sites in Pennsylvania by County

To access the Site Progress Profile for each site, select the site name.
 For the NPL Site Narrative, select the CERCLIS ID.
 Federal Register notices can be accessed by selecting the date of each action listed.

ADAMS COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Hunterstown Road</u> PAD980830897	<u>10/15/84</u>	<u>6/10/86</u>	9/30/03	N/A	N/A
<u>Keystone Sanitation Landfill</u> PAD054142781	<u>4/10/85</u>	<u>7/22/87</u>	9/13/04	N/A	N/A
<u>Shriver's Corner</u> PAD980830889	<u>10/15/84</u>	<u>6/10/86</u>	1/07/03	N/A	N/A

Westinghouse Elevator Co. Plant

<u>743882281</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>9/22/98</u>	N/A	N/A
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ALLEGHENY COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
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<u>Breslube-Penn, Inc</u> <u>PAD089667695</u>	<u>10/02/95</u>	<u>6/17/96</u>	N/A	N/A	N/A
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<u>Lindane Dump</u> <u>PAD980712798</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/27/99</u>	N/A	N/A
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<u>Ohio River Park</u> <u>PAD980508816</u>	<u>10/26/89</u>	<u>8/30/90</u>	<u>9/22/99</u>	N/A	N/A
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<u>Resin Disposal</u> <u>PAD063766828</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>11/20/96</u>	N/A	<u>10/21/03</u>
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ARMSTRONG COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
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<u>Craig Farm Drum</u> <u>PAD980508527</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>12/27/95</u>	N/A	N/A
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BERKS COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
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<u>Bally Ground Water Contamination</u> <u>PAD061105128</u>	<u>6/10/86</u>	<u>7/22/87</u>	<u>5/28/99</u>	N/A	N/A
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<u>Berks Landfill</u> <u>PAD000651810</u>	<u>6/24/88</u>	<u>10/04/89</u>	<u>12/22/00</u>	N/A	N/A
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<u>Berks Sand Pit</u> <u>PAD980691794</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>6/28/94</u>	N/A	N/A
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PL Sites in Pennsylvania | National Priorities List (NPL) | US EPA

<u>Brown's Battery Breaking</u>					
<u>PAD980831812</u>	<u>10/15/84</u>	<u>6/10/86</u>	11/3/03	N/A	N/A
<u>Crossley Farm</u>					
<u>PAD981740061</u>	<u>7/29/91</u>	<u>10/14/92</u>	N/A	N/A	N/A
<u>CryoChem, Inc.</u>					
<u>PAD002360444</u>	<u>6/10/86</u>	<u>10/04/89</u>	9/22/98	N/A	N/A
<u>Douglassville Disposal</u>					
<u>PAD002384865</u>	<u>12/30/82</u>	<u>9/08/83</u>	7/17/02	N/A	N/A
<u>Price Battery</u>					
<u>PAN000305679</u>	<u>9/23/04</u>	<u>4/27/05</u>	N/A	N/A	N/A
<u>Ryeland Road Arsenic</u>					
<u>PAD981033459</u>	<u>3/08/04</u>	<u>7/22/04</u>	N/A	N/A	N/A

AIR COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Delta Quarries & Disp./Stotler Landfill</u>					
<u>PAD981038052</u>	<u>6/10/86</u>	<u>3/31/89</u>	12/05/96	N/A	N/A

BRADFORD COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Bell Landfill</u>					
<u>PAD980705107</u>	<u>6/24/88</u>	<u>10/04/89</u>	2/23/99	N/A	N/A

BUCKS COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Warhead Farms</u>					
<u>PAD047726161</u>	<u>6/24/88</u>	<u>3/31/89</u>	11/10/03	N/A	N/A

Chem-Fab

PL Sites in Pennsylvania | National Priorities List (NPL) | US EPA

<u>PAD002323848</u>	<u>9/19/07</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>London TCE</u> <u>PAD981035009</u>	<u>9/18/85</u>	<u>6/10/86</u>	<u>3/31/97</u>	<u>N/A</u>	<u>N/A</u>
<u>Dublin TCE Site</u> <u>PAD981740004</u>	<u>10/26/89</u>	<u>8/30/90</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>Fischer & Porter Co.</u> <u>PAD002345817</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/28/98</u>	<u>N/A</u>	<u>N/A</u>
<u>Naval Air Development Center(8 Areas)</u> <u>PA6170024545</u>	<u>6/10/86</u>	<u>10/04/89</u>	<u>9/28/00</u>	<u>N/A</u>	<u>N/A</u>
<u>Revere Chemical Co.</u> <u>PAD051395499</u>	<u>9/18/85</u>	<u>7/22/87</u>	<u>11/02/98</u>	<u>N/A</u>	<u>N/A</u>
<u>Watson Johnson Landfill</u> <u>PAD980706824</u>	<u>6/14/01</u>	<u>9/13/01</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

BUTLER COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Bruin Lagoon</u> <u>PAD980712855</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>3/27/92</u>	<u>N/A</u>	<u>9/18/97</u>
<u>Hranica Landfill</u> <u>PAD980508618</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>5/26/94</u>	<u>N/A</u>	<u>9/18/97</u>

CARBON COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Palmerton Zinc Pile</u> <u>PAD002395887</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>Tonolli Corp.</u> <u>PAD073613663</u>	<u>6/24/88</u>	<u>10/04/89</u>	<u>12/13/99</u>	<u>N/A</u>	<u>N/A</u>

Centre County

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Centre County Kepone</u> <u>PAD000436261</u>	<u>12/30/82</u>	<u>9/08/83</u>	N/A	<u>11/26/04</u>	N/A

CHESTER COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>A.I.W. Frank/Mid-County Mustang</u> <u>PAD004351003</u>	<u>6/24/88</u>	<u>10/04/89</u>	11/08/00	N/A	N/A
<u>Blosenski Landfill</u> <u>PAD980539985</u>	<u>12/30/82</u>	<u>9/08/83</u>	9/18/98	N/A	N/A
<u>Foote Mineral Co.</u> <u>0077087989</u>	<u>2/07/92</u>	<u>10/14/92</u>	N/A	N/A	N/A
<u>Kimberton Site</u> <u>PAD980691703</u>	<u>12/30/82</u>	<u>9/08/83</u>	9/22/93	N/A	N/A
<u>Malvern TCE</u> <u>PAD014353445</u>	<u>12/30/82</u>	<u>9/08/83</u>	N/A	N/A	N/A
<u>Old Wilmington Road GW Contamination</u> <u>PAD981938939</u>	<u>7/22/99</u>	<u>2/04/00</u>	N/A	N/A	N/A
<u>Paoli Rail Yard</u> <u>PAD980692594</u>	<u>6/24/88</u>	<u>8/30/90</u>	7/12/05	N/A	N/A
<u>Recticon/Allied Steel Corp.</u> <u>PAD002353969</u>	<u>6/24/88</u>	<u>10/04/89</u>	12/14/99	N/A	N/A
<u>Shawburg Landfill</u> <u>PAD000441337</u>	<u>6/24/88</u>	<u>3/31/89</u>	9/27/99	N/A	N/A

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<u>Walsh Landfill</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>8/16/06</u>	<u>N/A</u>	<u>N/A</u>
<u>PAD980829527</u>					

<u>William Dick Lagoons</u>	<u>1/22/87</u>	<u>7/22/87</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>PAD980537773</u>					

CLINTON COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Drake Chemical</u>					
<u>PAD003058047</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/29/00</u>	<u>N/A</u>	<u>N/A</u>

COLUMBIA COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Safety Light Corporation</u>					
<u>PAD987295276</u>	<u>9/23/04</u>	<u>4/27/05</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

CRAWFORD COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Saegertown Industrial Area</u>					
<u>PAD980692487</u>	<u>6/24/88</u>	<u>2/21/90</u>	<u>3/15/04</u>	<u>10/06/97</u>	<u>N/A</u>

CUMBERLAND COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Navy Ships Parts Control Center</u>					
<u>PA3170022104</u>	<u>1/18/94</u>	<u>5/31/94</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

DAUPHIN COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Middletown Air Field</u>					
<u>PAD980538763</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>9/18/96</u>	<u>N/A</u>	<u>7/10/97</u>

WARE COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Austin Avenue Radiation Site</u> <u>PAD987341716</u>	<u>2/07/92</u>	<u>10/14/92</u>	<u>9/27/99</u>	N/A	<u>4/18/02</u>

<u>East Tenth Street</u> <u>PAD987323458</u>	<u>1/18/94</u>	N/A	N/A	N/A	N/A
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<u>Havertown PCP</u> <u>PAD002338010</u>	<u>12/30/82</u>	<u>9/08/83</u>	N/A	N/A	N/A
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<u>Lansdowne Radiation Site</u> <u>PAD980830921</u>	<u>4/10/85</u>	<u>9/16/85</u>	<u>2/28/91</u>	N/A	<u>9/10/91</u>
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<u>Wade (ABM)</u> <u>PAD980539407</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>6/29/88</u>	N/A	<u>3/23/89</u>
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DELAWARE, PHILADELPHIA COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Lower Darby Creek Area</u> <u>PASFN0305521</u>	<u>5/11/00</u>	<u>6/14/01</u>	N/A	N/A	N/A

ERIE COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Lord-Shope Landfill</u> <u>PAD980508931</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/30/96</u>	N/A	N/A

<u>Mill Creek Dump</u> <u>PAD980231690</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>9/26/01</u>	N/A	N/A
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<u>Presque Isle</u> <u>PAD980508865</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>3/08/88</u>	N/A	<u>2/13/89</u>
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FRANKLIN COUNTY

Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Letterkenny Army Depot (PDO Area)</u> PA2210090054	<u>7/22/87</u>	<u>3/13/89</u>	N/A	N/A	N/A
<u>Letterkenny Army Depot (SE Area)</u> PA6213820503	<u>10/15/84</u>	<u>7/22/87</u>	N/A	N/A	N/A

JEFFERSON COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Jackson Ceramix</u> PAD001222025	<u>4/27/05</u>	<u>9/14/05</u>	N/A	N/A	N/A

LACKAWANNA COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Aladdin Plating</u> PAD075993378	<u>1/22/87</u>	<u>7/22/87</u>	9/26/96	N/A	<u>11/16/01</u>
<u>Lackawanna Refuse</u> PAD980508667	<u>12/30/82</u>	<u>9/08/83</u>	3/28/94	N/A	<u>9/28/99</u>
<u>Lehigh Electric & Engineering Co.</u> PAD980712731	<u>12/30/82</u>	<u>9/08/83</u>	3/07/86	N/A	<u>3/07/86</u>
<u>Taylor Borough Dump</u> PAD980693907	<u>9/08/83</u>	<u>9/21/84</u>	12/31/88	N/A	<u>9/30/99</u>

LANCASTER COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Markley Products Co. Dump</u> PAD980538649	<u>6/24/88</u>	<u>3/31/89</u>	9/19/01	N/A	<u>3/19/07</u>

PL Sites in Pennsylvania | National Priorities List (NPL) | US EPA

Elizabethtown Landfill

<u>PAD980539712</u>	<u>6/24/88</u>	<u>3/31/89</u>	N/A	N/A	N/A
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St. Columbia Gas Plant

<u>PAD980539126</u>	<u>6/23/93</u>	<u>5/31/94</u>	<u>9/24/07</u>	N/A	N/A
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LEBANON COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
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Whitmoyer Laboratories

<u>PAD003005014</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>6/06/02</u>	N/A	N/A
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LEHIGH COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
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Dorney Road Landfill

<u>PAD980508832</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>9/28/99</u>	N/A	N/A
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Polka Auto Salvage Yard

<u>PAD980829329</u>	<u>6/10/86</u>	<u>7/22/87</u>	<u>12/30/93</u>	N/A	<u>9/20/99</u>
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Heleva Landfill

<u>PAD980537716</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>3/23/99</u>	N/A	N/A
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Novak Sanitary Landfill

<u>PAD079160842</u>	<u>1/22/87</u>	<u>10/04/89</u>	<u>9/17/02</u>	N/A	N/A
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Reeser's Landfill

<u>PAD980829261</u>	<u>4/10/85</u>	<u>7/22/87</u>	<u>2/05/90</u>	N/A	<u>5/31/90</u>
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Rodale Manufacturing Co., Inc.

<u>PAD981033285</u>	<u>7/29/91</u>	<u>10/14/92</u>	<u>9/29/03</u>	N/A	N/A
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Voortman Farm

<u>D980692719</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>3/09/89</u>	N/A	<u>5/31/89</u>
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LUZERNE COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Coal Mine Tunnel</u> PAD980508451	<u>6/10/86</u>	<u>7/22/87</u>	9/08/05	N/A	N/A
<u>C & D Recycling</u> PAD021449244	<u>9/18/85</u>	<u>7/22/87</u>	9/30/99	N/A	N/A
<u>Valmont TCE</u> PAD982363970	<u>6/14/01</u>	<u>9/13/01</u>	N/A	N/A	N/A

LYCOMING COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Avco Lycoming (Williamsport Division)</u> PAD003053709	<u>1/22/87</u>	<u>2/21/90</u>	9/27/02	N/A	N/A

LUKEAN COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Westline Site</u> PAD980692537	<u>12/30/82</u>	<u>9/08/83</u>	2/22/91	N/A	<u>10/14/92</u>

MERCER COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Osborne Landfill</u> PAD980712673	<u>12/30/82</u>	<u>9/08/83</u>	9/21/98	N/A	N/A
<u>River Road Landfill/Waste Mngmnt, Inc.</u> PAD000439083	<u>1/22/87</u>	<u>10/04/89</u>	12/29/95	N/A	<u>1/29/04</u>
<u>Sharon Steel Corp(Farrell Wks Disp Area)</u> D001933175	<u>3/06/98</u>	<u>7/28/98</u>	N/A	N/A	N/A
<u>Westinghouse Electronic (Sharon Plant)</u>					

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PAD005000575 6/24/88 8/30/90 12/22/05 N/A N/A

FLIN COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Jacks Creek/Sitkin Smelting and Refinery</u> <u>PAD980829493</u>	<u>6/24/88</u>	<u>10/04/89</u>	<u>12/23/04</u>	N/A	N/A

MONROE COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Brodhead Creek</u> <u>PAD980691760</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/30/97</u>	N/A	<u>7/23/01</u>

<u>Butz Landfill</u> <u>PAD981034705</u>	<u>6/24/88</u>	<u>3/31/89</u>	<u>6/20/01</u>	N/A	N/A
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<u>Site 940 Drum Dump</u> <u>PAD981034630</u>	<u>9/18/85</u>	<u>7/22/87</u>	<u>9/28/92</u>	N/A	<u>11/30/00</u>
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<u>Tobyhanna Army Depot</u> <u>PA5213820892</u>	<u>7/14/89</u>	<u>8/30/90</u>	<u>9/28/00</u>	<u>11/16/01</u>	N/A
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MONTGOMERY COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Ambler Asbestos Piles</u> <u>PAD000436436</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>8/30/93</u>	N/A	<u>12/27/96</u>

<u>Commodore Semiconductor Group</u> <u>PAD093730174</u>	<u>1/22/87</u>	<u>10/04/89</u>	<u>8/24/00</u>	N/A	N/A
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<u>Crater Resources/Keystone Coke/Alan Wood</u> <u>PAD980419097</u>	<u>2/07/92</u>	<u>10/14/92</u>	N/A	N/A	N/A
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<u>Henderson Road</u> <u>PAD009862939</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>10/28/92</u>	N/A	N/A
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<u>Moyers Landfill</u> <u>80508766</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/17/02</u>	N/A	N/A
<u>North Penn - Area 1</u> <u>PAD096834494</u>	<u>1/22/87</u>	<u>3/31/89</u>	<u>9/24/98</u>	N/A	N/A
<u>North Penn - Area 12</u> <u>PAD057152365</u>	<u>1/22/87</u>	<u>2/21/90</u>	<u>9/20/00</u>	N/A	N/A
<u>North Penn - Area 2</u> <u>PAD002342475</u>	<u>1/22/87</u>	<u>10/04/89</u>	N/A	N/A	N/A
<u>North Penn - Area 5</u> <u>PAD980692693</u>	<u>1/22/87</u>	<u>3/31/89</u>	N/A	N/A	N/A
<u>North Penn - Area 6</u> <u>PAD980926976</u>	<u>1/22/87</u>	<u>3/31/89</u>	N/A	N/A	N/A
<u>North Penn - Area 7</u> <u>PAD002498632</u>	<u>1/22/87</u>	<u>3/31/89</u>	N/A	N/A	N/A
<u>Occidental Chemical Corp./Firestone Tire</u> <u>PAD980229298</u>	<u>6/24/88</u>	<u>10/04/89</u>	N/A	N/A	N/A
<u>Raymark</u> <u>PAD039017694</u>	<u>6/24/88</u>	<u>10/04/89</u>	<u>9/14/95</u>	N/A	N/A
<u>Salford Quarry</u> <u>PAD980693204</u>	<u>4/01/97</u>	N/A	N/A	N/A	N/A
<u>Stanley Kessler</u> <u>PAD014269971</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>11/02/98</u>	N/A	N/A
<u>Tysons Dump</u> <u>D980692024</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>12/22/97</u>	N/A	N/A
<u>Willow Grove Naval Air & Air Res. Stn.</u>					

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<u>PAD987277837</u>	<u>8/23/94</u>	<u>9/29/95</u>	N/A	N/A	N/A
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BLOUNT COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>MW Manufacturing</u> <u>PAD980691372</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>9/28/05</u>	N/A	N/A

NORTHAMPTON COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Hellertown Manufacturing Co.</u> <u>PAD002390748</u>	<u>1/22/87</u>	<u>3/31/89</u>	<u>9/27/96</u>	N/A	N/A
<u>Industrial Lane</u> <u>PAD980508493</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>6/29/99</u>	N/A	N/A

PHILADELPHIA COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Enterprise Avenue</u> <u>PAD980552913</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>3/07/86</u>	N/A	<u>3/07/86</u>
<u>Franklin Slag Pile (MDC)</u> <u>PASFN0305549</u>	<u>9/13/01</u>	<u>9/05/02</u>	N/A	N/A	N/A
<u>Metal Banks</u> <u>PAD046557096</u>	<u>12/30/82</u>	<u>9/08/83</u>	N/A	N/A	N/A
<u>Publicker Industries Inc.</u> <u>PAD981939200</u>	<u>5/05/89</u>	<u>10/04/89</u>	<u>12/02/97</u>	N/A	<u>11/01/00</u>

PERKINS COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Eastern Diversified Metals</u>					

<u>PAD980830533</u>	<u>6/10/86</u>	<u>10/04/89</u>	N/A	N/A	N/A
<u>do Associates</u> <u>980712616</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/26/95</u>	N/A	<u>12/13/01</u>
<u>Metropolitan Mirror and Glass</u> <u>PAD982366957</u>	<u>2/07/92</u>	<u>10/14/92</u>	<u>9/30/98</u>	N/A	<u>8/16/05</u>

SUSQUEHANNA COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>Bendix Flight Systems Division</u> <u>PAD003047974</u>	<u>9/18/85</u>	<u>7/22/87</u>	<u>9/30/96</u>	N/A	N/A

YORK COUNTY

Site Name CERCLIS ID	Proposed Listing	Final Listing	Construction Completion	Partial Deletion	Deletion
<u>MP, Inc. (Glen Rock Facility)</u> <u>041421223</u>	<u>6/24/88</u>	<u>10/04/89</u>	<u>12/14/95</u>	N/A	<u>10/02/96</u>
<u>East Mount Zion</u> <u>PAD980690549</u>	<u>9/08/83</u>	<u>9/21/84</u>	<u>2/04/99</u>	N/A	N/A
<u>Modern Sanitation Landfill</u> <u>PAD980539068</u>	<u>10/15/84</u>	<u>6/10/86</u>	<u>10/20/00</u>	N/A	N/A
<u>Old City of York Landfill</u> <u>PAD980692420</u>	<u>12/30/82</u>	<u>9/08/83</u>	<u>9/27/96</u>	N/A	N/A
<u>York County Solid Waste/Refuse Landfill</u> <u>PAD980830715</u>	<u>4/10/85</u>	<u>7/22/87</u>	<u>9/29/95</u>	N/A	<u>2/14/05</u>



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National Priorities List

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Basic Site Query Results

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Data Source	Update Frequency	Date Last Updated
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	Monthly	January 9, 2003
National Priorities List (NPL) Fact Sheets	As updated by each EPA Region	Variable
Record of Decision System (RODS)	As updated within the Record of Decision System	Variable
NPL Listing Data	Per site listing event or change in site status	Variable

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Query Results



Only CERCLIS facility information was searched to select facilities

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State Abbreviation: PA

Results are based on data extracted on AUG-16-2007

Total Number of Facilities Displayed: 0

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U.S. Environmental Protection Agency



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Consolidated facility information (from multiple EPA systems) was searched to select facilities

County Name: greene
State Abbreviation: PA

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Mid-Atlantic Superfund

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Pennsylvania Superfund Sites

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Site Name	EPA ID	NPL Status	City	County	Zip
2314 N. American Street	PAD048613368	Non	Philadelphia	Philadelphia	19123
70th and Kingsessing Trailer	PAD987332848	Non	Philadelphia	Philadelphia	19142
A-1 Auto Body Tire Dump	PAD987334679	Non	Erie	Erie	16501
Abandoned Chemical Trailer	PAD982363939	Non	North Versailles	Allegheny	15137
Action Manufacturing Company	PAD987366515	Non	Atglen	Chester	19310
A.I.W. Frank/Mid-County Mustang	PAD004351003	Final	Exton	Chester	19341
Aladdin Plating	PAD075993378	Deleted	Clarks Summit	Lackawanna	18411
Alderfer Landfill	PAD981939051	Non	Franconia Twp	Montgomery	18924
Allentown Mercury Spill	PASFN0305569	Non	Allentown	Lehigh	18102
Ambler Asbestos Piles	PAD000436436	Deleted	Ambler	Montgomery	19002
Amchem Products, Inc	PAD002348324	Non	Ambler	Montgomery	19002
American Insulator Company	PAD075274431	Non	New Freedom	York	17349
American Street Tannery	PAD981939267	Non	Philadelphia	Philadelphia	19147
Amco, Inc	PAD041421223	Deleted	Glen Rock	York	17327
Andela aka Warwick Twp Real Estate	PA0000585901	Non	Warwick Twp	Bucks	18929
Ashland Chemical Co.	PAD043394683	Non	Easton	Northampton	18042
Ashland Chemical Company	PAD980552251	Non	Philadelphia	Philadelphia	19148
Austin Ave. Radiation Site	PAD987341716	Deleted	Lansdowne	Delaware	19050
AVCO Lycoming	PAD003053709	Final	Williamsport	Lycoming	17701
Bahn Warehouse/Strawberry Alley	PAD987277977	Non	Mechanicsburg	Cumberland	17055
Baker Brothers Scrap Yard	PAD987389624	Non	Lewisburg	Union	17837
Baldwin Defiance	PAD987285079	Non	Darby Borough	Delaware	19036
Bally Groundwater	PAD061105128	Final	Bally	Berks	19503
Barefoot Disposal	PAD981040611	Non	Holidaysburgh	Blair	16648
Bay Products	PA0002298107	Non	Philadelphia	Philadelphia	19136
Belfield Avenue	PAD982364036	Non	Philadelphia	Philadelphia	19144
Belfield Paint	PA0000694513	Non	Philadelphia	Philadelphia	19144
Bell Landfill	PAD980705107	Final	Wyalusing	Bradford	18853
Bendix Flight Systems	PAD003047974	Final	South Montrose	Susquehanna	18843
Berkley Products Co. Dump	PAD980538649	Final	Denver	Lancaster	17517
Berks Landfill	PAD000651810	Final	Sinking Springs	Berks	19608
Berks Sand Pit	PAD980691794	Final	Longswamp TWP	Berks	19539
Blosenski Landfill	PAD980539985	Final	West Caln TWP	Chester	19376
Boarhead Farms	PAD047726161	Final	Bridgeton TWP	Bucks	18972
Boiler Steel Plant	PAD987279346	Non	Ambridge	Beaver	15003
BoRil Asbestos Site	PA0000000000	Non	Ambler	Montgomery	19002
Boyertown Farms	PASFN0305457	Non	Gilbertsville	Montgomery	19525
Boyle Galvanizing	PA0000569244	Non	Philadelphia	Philadelphia	19125

Pennsylvania Superfund Sites | Mid-Atlantic Superfund | US EPA

Breslube-Penn. Inc.	PAD089667695	Final	Coraopolis	Allegheny	15108
Brodhead Creek	PAD980691760	Deleted	Stroudsburg	Monroe	18360
Brown's Battery Breaking	PAD980831812	Final	Hamburg	Berks	19526
Lagoon	PAD980712855	Deleted	Bruin	Butler	16022
Lackeye Pipeline Emergency Response-Nestle Purina Alpo Plant		Non	Allentown	Lehigh	
Butler Mine Tunnel	PAD980508451	Final	Pittston TWP	Luzerne	18640
Butyric Acid Drum	PAD987379203	Non	Strattonville	Clarion	16258
Butz Landfill	PAD981034705	Final	Jackson TWP	Monroe	18360
C & D Recycling	PAD021449244	Final	Freeland	Luzerne	18224
Centre County Kepone	PAD000436261	Final	State College	Centre	16801
C. G. Wood	PAD981113558	Non	Jamestown	Mercer	16134
Chain Bike Corp	PAD053061909	Non	Allentown	Lehigh	18103
Chem-Fab Corp	PAD002323848	Non	Doylestown	Bucks	18901
Cochranville Tire Fire	PAD982367831	Non	West Oxford Twp	Chester	19330
Coleman Company	PAD987390523	Non	Philadelphia	Philadelphia	19140
Collegeville Radium	PASFN0305467	Non	Collegeville	Montgomery	19426
Columbia Gas Transmission		Non			
Columbia Plating	PAD981741176	Non	Columbia	Lancaster	17512
Commodore Semiconductor Group	PAD093730174	Final	Norrislown	Montgomery	19403
Concept Science Explosion	PASFN0305433	Non	Hanover Twp	Lehigh	18103
Congo Road Boron	PASFN0305500	Non	Congo	Montgomery	19505
Craig Farm Drum	PAD980508527	Final	Parker	Armstrong	16049
Crater Resources	PAD980419097	Final	King of Prussia	Montgomery	19406
Crawford Station HSCA	PAD987270188	Non	Middletown	Dauphin	17057
Creek Road Sand Blasting aka River Bend	PASFN0305402	Non	Hartsville	Bucks	18974
Crossley Farm	PAD981740061	Final	Hereford TWP	Berks	18056
Croydon TCE	PAD981035009	Final	Croydon&Bristol	Bucks	19020
Cryochem	PAD002360444	Final	Boyertown	Berks	19512
Dallas Cleaners Site	PAN000306173	Non	Dallas	Luzerne	18612
Deardorff Drive/Ridge Road HSCA	PAD981939937	Non	Etters	York	17319
Defense Supply Center Philadelphia	PA09715900005	Non	Philadelphia	Philadelphia	19101
Delta Quarries	PAD981038052	Final	Antis & Logan TWP	Blair	16602
Dewart Farms	PASFN0305473	Non	Watsonstown	Northumberland	17777
Donegal TWP Midnight Drum Dump	PAD981738982	Non	Donegal TWP	Butler	16025
Dorney Road Landfill	PAD980508832	Final	Mertztown	Berks	19539
Douglassville Disposal	PAD002384865	Final	Douglassville	Berks	19518
Drake Chemical	PAD003058047	Final	Lock Haven	Clinton	17745
Dublin TCE	PAD981740004	Final	Dublin	Bucks	18917
Duncanville Tanker	PAD981736325	Non	Duncanville	Blair	16635
Dupont Explosives	PAD981939325	Non	Bradford	McKean	16701
Durham Township Solvent Spill	PAD981738925	Non	Rieglesville	Bucks	18077
E-Z Chemical	PAD987271194	Non	Philadelphia	Philadelphia	19123
Eager Beaver Lumber	PAD004375192	Non	Townville	Crawford	16360
East Mount Zion	PAD980690549	Final	Springettsbury	York	17402
East Norriton PCE	PAN000306145	Non	East Norriton	Montgomery	19404
East Tenth Street	PAD987323458	Proposed	Marcus Hook	Delaware	19061
East Coast Trailer Sales	PA0000634659	Non	Bensalem	Bucks	19020
Eastern Diversified Metals	PAD980830533	Final	Hometown	Schuylkill	18252
Eddystone Ave. Trailer	PAD987269941	Non	Eddystone	Delaware	19094
Elizabethtown Landfill	PAD980539712	Final	Elizabethtown	Lancaster	

Elrama School	PAD981034994	Non	Union Twp	Washington	15332
Enterprise Avenue	PAD980552913	Deleted	Philadelphia	Philadelphia	19153
Fairview Water Co.	PAD987392271	Non	Mt. Pocono Boro.	Monroe	18344
Feinstein Electroplating	PAD002268944	Non	Philadelphia	Philadelphia	19133
Fischer & Porter	PAD002345817	Final	Warminster	Bucks	18974
Foote Mineral	PAD077087989	Final	Frazer	Chester	19355
Foster Wheeler Energy Corp	PAD003031788	Non	Mountaintop	Luzerne	18707
Franklin Slag Pile	PASFN0305549	Proposed	Philadelphia	Philadelphia	19134
Franklin Smelting	PAD002280725	Non	Philadelphia	Philadelphia	19134
General Electric - Hammermill	PAD981114820	Non	Lawrence Park TWP	Erie	16511
Glenside Mercury Spill	PA0001401520	Non	Glenside	Montgomery	19038
Grant Chemical	PA0001017144	Non	Philadelphia	Philadelphia	19135
Hamburg - Pine Creek (PDF) (3 pp, 30.8K, About PDF)	PAN000306001	Non	Albany	Berks	19529
Hamburg - Pleasant Hills Trailer Park	PAN000305911	Non	Hamburg	Berks	19526
Hamburg - Port Clinton Avenue	PAN000305872	None	Hamburg	Berks	19526
Hamburg Lead - Kaercher Creek	PAN000305723	Non	Hamburg	Berks	19526
Hamburg Lead - Railcut	PAN000305725	Non	Hamburg	Berks	19526
Hamburg Playground	PAD987332541	Non	Hamburg	Berks	19526
Havertown PCP	PAD002338010	Final	Haverford TWP	Delaware	19041
Hebelka Auto Salvage Yard	PAD980829329	Deleted	Upper Macungie TWP	Lehigh	18062
Heisman Field	PA0002377828	Non	Titusville	Crawford	16354
Heleva Landfill	PAD980537716	Final	Coplay	Lehigh	18037
Hellertown Manufacturing	PAD002390748	Final	Hellertown	Northampton	18055
Anderson Road	PAD009862939	Final	Upper Merion Twp	Montgomery	19406
Shell Corporation	PAD987283520	Non	Philadelphia	Philadelphia	19132
Hilltop Residential Lab	PASFN0305565	Non	Upper Darby	Delaware	19082
Histand's Supply	PAD069027027	Non	Wycombe	Bucks	18980
Hranica Landfill	PAD980508618	Deleted	Buffalo TWP	Butler	16055
Hunter Farm Drum	PAD987332533	Non	Bakerstown	Allegheny	15007
Hunterstown Road	PAD980830897	Final	Gettysburg	Adams	17325
Hutchinson Mine PCB	PAD982364275	Non	Hutchinson	Westmoreland	15640
Industrial Lane	PAD980508493	Final	Easton	Northampton	18042
Jacks Creek/Sitkin Smelting	PAD980829493	Final	Lewistown	Mifflin	17044
Jackson Ceramix Inc.	PAD001222025	Final	Falls Creek	Jefferson	15840
John Heinz National Wildlife Refuge		Non	Philadelphia	Philadelphia	
Johnson Bronze Co.	PAD981036171	Non	New Castle	Lawrence	16103
Joyce National Powder	PAD101274686	Non	Eldred	McKean	16731
Kelly Drive Sulfuric Acid Spill	PAN000305641	Non	Philadelphia	Philadelphia	19131
Kennett Square Junkyard	PAD980692776	None	Kennett Square	Chester	19348
Kevak Property	PAD981740129	Non	Glen Lyon	Luzerne	18617
Keyser Avenue Borehole	PAD981036049	Removed	Scranton	Lackawanna	18508
Keystone Sanitation Landfill	PAD054142781	Final	Hanover	York	17331
Kimberton Site	PAD980691703	Final	Kimberton	Chester	19442
Komak/Ontario Street	PAD982364416	Non	Philadelphia	Philadelphia	19140
Lackawanna Refuse	PAD980508667	Deleted	Old Forge	Lackawanna	18504
Lancaster Battery	PAD003004496	Non	Lancaster	Lancaster	17604
Lansdowne Radiation Site	PAD980830921	Deleted	Lansdowne	Delaware	19050
Layton Landfill	PAD981044845	Non	Perry Twp.	Fayette	15482
Lehigh Electric and Engineering Co.	PAD980712731	Deleted	Old Forge	Lackawanna	18518

Lehman MTBE	PA0000057471	Non	Lehman	Luzerne	18627
Letterkenny Army Depot PDO Area Site Area	PA6213820503 PA2210090054	Final	Chambersburg	Franklin	17201
Lehigh Valley e Dump	PAD980712798	Final	Harrison TWP	Allegheny	15065
Logan Section Contamination Site	PASFN0305530	Non	Philadelphia	Philadelphia	19120
Lord-Shope Landfill	PAD980508931	Final	Girard	Erie	16417
Lower Darby Creek Area	PASFN0305521	Final	Darby TWP	Delaware and Philadelphia	19023
MW Manufacturing	PAD980691372	Final	Valley TWP	Montour	17821
Malitovsky Drum Company	PAD980831408	Non	Pittsburgh	Allegheny	15201
Malvern TCE	PAD014353445	Final	Malvern	Chester	19355
Marcus-Paulsen	PA0001411552	Non	Denbo	Washington	15429
Marjol Operation	PAD003041910	Non	Throop	Lackawanna	18512
Mayburg Tar Pit	PAD980832612	Non	Mayburg	Forest	16347
McAdoo Associates	PAD980712616	Deleted	McAdoo	Schuylkill	18237
Merit Products	PAD987322534	Non	Philadelphia	Philadelphia	19132
Metal Bank	PAD046557096	Final	Philadelphia	Philadelphia	19135
Metcoa	PAD080719446	Non	Pulaski TWP	Lawrence	16143
Metro Container Corp	PAD044545895	Non	Trainer	Delaware	19013
Metropolitan Mirror & Glass	PAD982366957	Deleted	Frackville	Schuylkill	17931
Middletown Air Field	PAD980538763	Deleted	Middletown	Dauphin	17057
Mill Creek Dump	PAD980231690	Final	Erie	Erie	16505
Modern Sanitation	PAD980539068	Final	York	York	17404
Monroe Street	PAD982367625	Non	York	York	17404
Mosaic	PA0002008506	Non	Avoca	Luzerne	18641
Municipal/Industrial Landfill	PAD980508766	Final	Collegeville	Montgomery	19426
Municipal/Industrial Disposal Corp	PAD982366353	Non	Elizabeth Twp	Allegheny	15037
National Vulcanized Fiber	PAD107214116	Non	Kennett Square	Chester	19348
Naval Air Development Center	PA6170024545	Final	Warminster	Bucks	18974
Navy Ships Parts Control Center	PA3170022104	Final	Mechanicsburg	Cumberland	17055
Nickel Plate Road	PAD982367369	Non	Cochranston	Crawford	16314
North Penn Area 1	PAD096834494	Final	Souderton	Montgomery	18964
North Penn Area 2	PAD002342475	Final	Hatfield	Montgomery	19440
North Penn Area 5	PAD980692693	Final	Colmar	Montgomery	18915
North Penn Area 6	PAD980926976	Final	Lansdale	Montgomery	19446
North Penn Area 6	PAD002498632	Final	Lansdale	Montgomery	19446
North Penn Area 7	PA0001412311	Non	Creamery	Montgomery	19474
North Penn Area 11	PAD057152365	Final	Worcester	Montgomery	19490
North Penn Area 12 (Transcoil)		Non			
Northeastern Pennsylvania Inland Sub-Area Plan		Non			
Novak Sanitary Landfill	PAD079160842	Final	Allentown	Lehigh	18104
O'Brien Machinery	PAD987379187	Non	Downingtown	Chester	19335
Occidental Chemical Corp	PAD980229298	Final	Pottstown	Montgomery	19464
Ohio River Park	PAD980508816	Final	Neville Island	Allegheny	15225
Oil Tank Lines Inc.	PA0001909522	Non	Darby	Delaware	19023
Old Barrett Building	PAD987277175	Non	Philadelphia	Philadelphia	19146
Old City of York Landfill	PAD980692420	Final	Seven Valleys	York	17360
Old Wilmington Road Ground Water Contamination / Perry Phillips Landfill	PAD981938939	Final	Sadsburyville	Chester	19320
ORFA Manufacturing Co	PAD987400561	Non	Philadelphia	Philadelphia	19143
Osborne Landfill	PAD980712673	Final	Grove City	Mercer	16127
Pagan Road	PAD981033632	Non	Summit Twp	Erie	16509

Palmerston Zinc Piles	PAD002395887	Final	Palmerston	Carbon	18071
Paoli Rail Yard	PAD980692594	Final	Paoli	Chester	19301
Palmerston Chemical	PAD067399378	Non	Philadelphia	Philadelphia	19125
Alley Parking Lot	PAN000305909	Non	Hamburg	Berks	19526
Palmerston Foam Corp	PAD080874282	Non	Raubsville	Northampton	18042
Pennsylvania 500		Non	Long Pond	Monroe	18334
Pennsylvania Dept of Transportation Lab	PAD980827851	Non	Harrisburg	Dauphin	17101
Penrose Drum	PAD987279890	Non	Philadelphia	Philadelphia	19145
Perkasie TCE	PAN000306027	Non	Perkasie	Bucks	18944
Philadelphia Naval Complex	PA4170022418	Non	Philadelphia	Philadelphia	19112
Plymouth TWP CO2 Release	PASFN0305547	Non	Plymouth TWP	Montgomery	19428
Pottstown Drum	PAD981738818	Non	Pottstown	Montgomery	19464
Precision National Corp.	PAD053676631	Non	Clarks-Summit	Lackawanna	18411
Presque Isle	PAD980508865	Deleted	Erie	Erie	16501
Price Battery	PAN000305679	Final	Hamburg	Berks	19526
Printed Circuits	PAD054717475	Non	Bristol Twp	Bucks	19007
Publicker Industries	PAD981939200	Deleted	Philadelphia	Philadelphia	19148
Purolite Chemical	PAD987277498	Non	Philadelphia	Philadelphia	19122
Raymark	PAD039017694	Final	Hatboro	Montgomery	19040
Recticon/Allied Steel	PAD002353969	Final	Parker Ford	Chester	19457
Reeser's Landfill	PAD980829261	Deleted	Upper Macungie Twp	Lehigh	18062
Resin Disposal	PAD063766828	Deleted	Jefferson Boro	Allegheny	15025
Revere Chemical	PAD051395499	Final	Revere	Bucks	18953
River Bend aka Creek Road Sand Blasting	PASFN0305402	Non	Hartsville	Bucks	18974
Road Landfill	PAD000439083	Deleted	Sharpsville	Mercer	16146
Robesonia Mercury	PA0002122927	Non	Robesonia		19551
Rodale Manufacturing	PAD981033285	Final	Emmaus	Lehigh	18049
Rohm and Haas Landfill	PAD091637975	Removed	Bristol Twp	Bucks	
Route 522 Bridge	PA0002021731	Non	Lewistown	Mifflin	17044
Route 563 Drum	PAD981738867	Non	Salford Twp	Montgomery	18957
Route 940 Drum Dump	PAD981034630	Deleted	Tobyhanna	Monroe	18350
Royal Dry Cleaners	PAD987279817	Non	Lansdale	Montgomery	19446
RR2 Emlenton Lead	PASFN0305448	Non	Emlenton	Venango	16373
Ryeland Road	PAD981033459	Final	Heidelberg	Berks	19567
Sable Diamonds	PAD982364234	Non	Philadelphia	Philadelphia	19106
Sabol Farm Drum	PA0001096171	Non	Girard	Erie	16417
Sackville Mills Property	PA0000198846	Non	Nether Providence	Delaware	19086
Saegertown Industrial Area	PAD980692487	Final	Saegertown	Crawford	16433
Safety Light Corporation	PAD987295276	Final	Bloomsburg	Columbia	17815
Salford Quarry	PAD980693204	Proposed	Lower Salford TWP	Montgomery	19438
Salt Service	PAD987387578	Non	Ridley Park	Delaware	19078
Second Street Electroplating	PAD987270964	Non			
Shaler/JTC Properties	PAD981041064	Non	Bruin Twp	Butler	16022
Sharon Steel Corp. (Farrell Works Disp Area)	PAD001933175	Final	Farrell	Mercer	16121
Shriver's Corner	PAD980830889	Final	Gettysburg	Adams	17325
Solly Ave. Midnight Dump Site	PAD981738800	Non	Philadelphia	Philadelphia	19111
South West Philadelphia Sludge Spill	PAD987336989	Non	Philadelphia	Philadelphia	19153
SSCD Schoolyard Site	PAD981738743	Non	Punxsatawney	Jefferson	15767
Stanley Kessler	PAD014269971	Final	King of Prussia	Montgomery	19406
Starbrick Area	PAD980918510	Non	Conewango Twp	Warren	16365

Slate Road	PAD002279040	Non	Philadelphia	Philadelphia	19135
Strasburg Landfill	PAD000441337	Final	Newlin TWP	Chester	19320
Struble Trail Drums	PA0001405166	Non	E. Caln. Twp.	Chester	19335
Swissvale Auto Surplus Parts	PAD980692560	Non	Swissvale	Allegheny	15218
Swissvale Asbestos	PA0002269660	Non	Philadelphia	Philadelphia	19145
Tacony Warehouse	PA0210000931	Non	Philadelphia	Philadelphia	19135
Taylor Borough Dump	PAD980693907	Deleted	Taylor	Lackawanna	18517
Thompson Street Trailer	PAD987268646	Non	Philadelphia	Philadelphia	19125
Tobyhanna Army Depot	PA5213820892	Final	Tobyhanna	Monroe	18466
Tonolli Corp	PAD073613663	Final	Nesquehoning	Carbon	18240
Tranguch Gasoline	PA0001409671	Non	Hazleton	Luzerne	18201
Trowbridge Estates Mercury	PAD982363160	Non	Feasterville	Bucks	19020
Tysons Dump	PAD980692024	Final	Upper Merion TWP	Montgomery	19406
UGI Columbia Gas Plant	PAD980539126	Final	Columbia	Lancaster	17512
United Chemical Technologies	PA0000382820	Non	Bristol	Bucks	19007
USA Support Oakdale formerly: C.E. Kelly Support Facility	PA5210022344	Non	Oakdale	Allegheny	15071
Valley Forge National Historic Park	PA9141733080	Non	Valley Forge	Chester	19481
Valmont ICE (Former Valmont Industrial Park)	PAD982363970	Final	West Hazleton	Luzerne	18201
Verdict Chemical Site	PAN0000305629	Non	Philadelphia	Philadelphia	19133
Voortman Farm	PAD980692719	Deleted	Ladark	Lehigh	18034
Wach's Landfill	PAD980918767	Non	S. Huntingdon	Westmoreland	15089
Wade (ABM)	PAD980539407	Deleted	Chester City	Delaware	19013
Walsh Landfill aka Welsh Landfill	PAD980829527	Final	Honeybrook	Chester	19344
Warwick Twp Real Estate aka Andela	PA0000585901	Non	Warwick Twp	Bucks	18929
Warwick Twp Real Estate aka Andela	PAD980706824	Final	Richlandtown	Bucks	18955
Warwick Twp Real Estate aka Andela	PAN000305598	Non	Philadelphia	Philadelphia	19132
West Dauphin Chemical	PAD005000575	Final	Sharon	Mercer	16146
Westinghouse Electric (Sharon)	PAD043882281	Final	Gettysburg	Adams	17325
Westinghouse Elevator Co.	PAD980692537	Deleted	Westline	McKean	16751
Westline	PAD982366841	Non	Plymouth Meeting	Montgomery	19462
Whitemarsh Twp. Drum Dump	PAD003005014	Final	Myerstown	Lebanon	17067
Whitmoyer Labs	PAD980537773	Final	West Caln TWP	Chester	19376
William Dick Lagoons	PAD987277837	Final	Willow Grove	Montgomery	19090
Willow Grove Naval Air Station	PAD987329794	Non	Erie	Erie	16501
Woodard Property Abandoned Drums	PAD980830715	Deleted	Hopewell TWP	York	17363
York County Solid Waste and Refuse Authority	PAN000305638	Non	Philadelphia	Philadelphia	19133
York Metal Finishing					