

Annual Report Certifying Work Performed at Alternative Bonding System (ABS) Legacy Sites

Pursuant to a settlement agreement in *Pennsylvania Federation of Sportsmen's Clubs, Inc. v. Quigley*, Civil No. 1:99-CV-1791, dated November 2, 2016, the Department submitted to the U.S. Office of Surface Mining Reclamation and Enforcement (OSMRE) a proposed amendment to the federally-approved Pennsylvania surface coal mining regulatory program. The amendment, subsequently approved by OSM on July 10, 2017 (82 FR 31715), requires the Pennsylvania Department of Environmental Protection (PADEP or Department) to, *inter alia*, complete land reclamation and/or install or perform certain work on water treatment systems at several sites (included in Lists #3 and #4, attached below) permitted under the Commonwealth's now-defunct Alternative Bonding System (ABS).

The settlement agreement stipulates that by January 31 of each year, the Department will provide to OSMRE and make publicly available through its web site, a report certifying the progress made during the preceding calendar year toward satisfying those obligations. This annual certification will cease when the Department certifies that all such work at these sites is complete. The settlement agreement further stipulated that the Department would take all actions within its authority and control to ensure that the land reclamation and/or water treatment work at the listed sites is completed by December 31, 2018. This report characterizes all sites on Lists #3 and #4 not already certified as complete in the Department's 2016 and 2017 reports, including sites for which work was not completed by December 31, 2018. Due to site-specific complications, the Department was not able to complete the work at all sites by the deadline set forth in the 2017 program amendment. For sites at which work was not completed, the Department submitted to OSMRE, and OSMRE approved, an action plan to complete the work, requiring DEP to:

1. Identify remaining sites from attachment 3 needing reclamation; obstacles to achieving goals and reclamation schedule by September 30, 2019. This was completed and sent to OSMRE on August 28, 2019.
2. Develop landowner access, design and contracting packages for reclamation of sites to be completed by October 1, 2020.
3. Submit progress reports to OSMRE during PADEP/OSMRE periodic program management meetings as scheduled.
4. Complete land reclamation and treatment system work by December 31, 2020.

On December 4, 2020, the Department requested an extension under the action plan. On December 8, 2020, OSMRE approved the extension with a revised completion date of December 31, 2023. Site-specific conditions and/or funding concerns in completing the required land reclamation and treatment system work, resulted in the Department requesting another extension under the action plan on June 6, 2023. On June 21, 2023, OSMRE approved the extension with a revised completion date of December 31, 2026.

In addition to certifying work the Department has performed at the ABS legacy sites identified for needing work, the Department includes in this report steps it has taken to add or remove sites from its list of ABS legacy sites. Under the settlement agreement and approved program amendment, in order to add sites to, or remove sites from, the list of ABS legacy sites on Lists #1 and #2, the Department must: (1) request concurrence from OSMRE consistent with OSMRE's

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oversight authority; and (2) publish in the Pennsylvania Bulletin a notice of the sites added or removed with a brief explanation of the basis for the change.

Removal from Lists #1 and #2 may occur if there is no longer a post-mining discharge requiring treatment, if the amount of bond posted becomes sufficient to guarantee adequate treatment of discharges, or if a fully funded trust fund is established that will guarantee discharge treatment in perpetuity. The Department includes a summary of those actions in this report only to provide a complete accounting of its progress under the settlement agreement and not to substitute those separate requirements.

The lists attached at the end of this report indicate the status of each of the sites identified in the settlement agreement, including sites that have been “removed” by prior reports due to certification of completed work or other reason.

I. ABS Legacy Sites (Program Amendment Attachment 1)

The Department will be requesting concurrence from OSMRE to remove the following sites from the list of ABS Legacy Sites:

K & J Coal Co, Westover (Permit No. 11693000)

K & J Coal Co, Gaber-Brown (Permit No. 17880129)

The Department has determined that the Post-Mining Discharge Treatment Trust associated with these sites has become fully funded. The removal is the result of the appreciation of the value of the trust while the costs for treating the discharges were paid from the Reclamation Fee O & M Trust account. As of December 31, 2017, the calculated target value of the Trust is \$778,165.58. The actual value on December 31, 2023, was \$2,968,860.53. Publication of Department's intent to remove this site was done in the Pennsylvania Bulletin on September 8, 2018.

The Department had previously requested concurrence from OSMRE to remove the following sites from the list of ABS Legacy Sites:

Sunbeam Coal Corp, Jacques (Permit No. 10830121)

The Department has determined that the treatment of the discharge is unreasonable under the approved program (25 Pa. Code §86.190) based primarily on the fact that the treatment of the discharge would exacerbate existing site conditions and create adverse impacts to existing riparian wetlands. There is no discharge that must be treated under program amendment language approved by the Office of Surface Mining Reclamation and Enforcement (OSMRE) on July 10, 2017. OSMRE did not concur with this determination in their June 28, 2021 response letter to the request for concurrence.

R.S. Carlin, Mine #26 (Permit No. 14663010)

The Department has determined that the treatment of the discharge is unnecessary under the approved program (25 Pa. Code §86.190) based primarily on the fact that the treatment of the discharge would not have a measurable impact on the watershed. OSMRE did not concur with this determination in their July 26, 2021 response letter to the request for concurrence.

Additional Information Concerning Attachment #1 Sites:

C & K Coal Co. Snyder Sertik (Permit No. 10860118)

C & K Coal Co. Bell Woodcock (Permit No. 11783035)

C & K Coal Co. Stroud (Permit No. 11823002)

C & K Coal Co. Cambria 51 (Permit No. 11850106)

C & K Coal Co. Hill Estate (Permit No. 16713004)

C & K Coal Co. Smith Heasley (Permit No. 16803030)

C & K Coal Co. Kriebel (Permit No. 16840103)

C & K Coal Co. Racic (Permit No. 61783001)

These permits are all part of the C & K Global Trust, which is a Department-directed Post-Mining Discharge Treatment Trust. As of December 2023, the trust contained \$21,647,363 which was \$2,859,509 less than the \$24,506,873 required to fully fund the trust. As the trust remains underfunded, these sites will remain on Attachment #2.

II. Potential ABS Legacy Sites (Program Amendment Attachment 2)

The Department will be publishing notice in the *Pennsylvania Bulletin* and requesting concurrence from OSMRE to remove the following sites:

PBS Coals Inc Jolin Strip/Job 12 (Permit No. 56663098)

PBS Coals Inc Walker Mine (Permit No. 56663135)

PBS Coals Inc Roberts Mine (Permit No. 56813104)

Croner Inc Goodtown Preparation Plant (Permit No. 56841605)

PBS Coals Inc Acosta (Permit No. 56960106)

These sites are part of the PBS Coals Inc Global Trust, which is Post-Mining Discharge Treatment Trust. As of December 31, 2023, the trust had \$19,668,21, which is more than the \$18,723,466 required to fully fund the trust. A fully funded trust that will guarantee treatment in perpetuity will make these sites eligible to be removed from Attachment #2.

Big Mack Leasing Co. Inc Iselin 18 Mine (Permit No. 32950104)

This site has a Post-Mining Discharge Treatment Trust, which as of December 31, 2023 had \$608,354 more than the \$592,817 required to fully fund the trust. A fully funded trust that will guarantee treatment in perpetuity will make these sites eligible to be removed from Attachment #2.

The Department had previously requested concurrence from OSMRE to remove the following sites from the list of potential ABS Legacy Sites:

MB Energy Inc. Grabiak Strip (Permit No. 11830102)

MB Energy Inc. Dietrich Mine (Permit No. 32810135)

MB Energy Inc. CBC Strip (Permit No. 32820134)

MB Energy Inc. Brush Valley #1 (Permit No. 32880108)

MB Energy Inc. Campbell Skovira Mine (Permit No. 65810113)

MB Energy Inc. Ridge Road Mine (Permit No. 65860105)

The Department requested concurrence that five of the six permits be removed from the list because the Post-Mining Discharge Treatment Trust was executed on January 3, 2019 and fully funded as of January 4, 2019. The other permit, Brush Valley #1 consisted of two small discharges following reclamation in the early 1990's that subsequently improved on their own by 2012 and the Department released the remaining bonds.

OSMRE withheld concurrence of the above-mentioned permits due to issues identified with the treatment systems and annual operating costs that MB Energy reports to the Department. The Department is currently working toward a resolution.

Enercorp Inc. Force Mine (Permit No. 17970102)

The Department requested concurrence that this site be removed from the list because the Post-Mining Discharge Treatment Trust was executed on March 26, 2011 and fully funded as of May 6, 2015. OSMRE withheld concurrence of the above-mentioned permit due to issues identified with the treatment systems and annual operating costs that Enercorp reports to the Department. The Department is currently working toward a resolution.

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Additional Information Concerning Attachment #2 Sites:

- Cooney Brothers Coal Co. Caroff Strip (Permit No. 11773037)
- Cooney Brothers Coal Co. Pot Ridge 2 Strip (Permit No. 11803038)
- Cooney Brothers Coal Co. Feller 2 Strip (Permit No. 11813039)
- Cooney Brothers Coal Co. Dunlo 1 Strip (Permit No. 11813040)
- Cooney Brothers Coal Co. Bethlehem Strip (Permit No. 11850104)
- Cooney Brothers Coal Co. Pot Ridge Lasky Strip (Permit No. 56743138)

These permits are all part of the Cooney Brothers Coal Co Global Trust which was turned over to the Department. As of December 2023, the trust contained \$18,311,890.26 which was \$2,281,689.94 less than the \$20,593,580.20 required to fully fund the trust. As the trust remains underfunded, these sites will remain on Attachment #2.

III. Land Reclamation (Program Amendment Attachment 3)

Under the program amendment, the Department provides a report certifying progress made during the previous year toward satisfying the obligation to complete the land reclamation for the ABS Land Reclamation sites. Brief descriptions follow for the sites where work has been completed, is nearing completion, or requires additional work:

Power Operating Co., Inc. (Vought), Permit Number 17820114

This site has had a complicated history starting in 2018, when the Department began working with the permittee on revising the permit which encompasses the unreclaimed pit, highwall, and spoil pile. The permittee wanted to move from carrying out primarily a reclamation project to a focus on coal removal. After delays in the start of this project due to the permittee's unwillingness to start mining because of the poor coal market, the Department extended the approved Growing Greener Remining Incentive Grant to the maximum possible term, to expire December 31, 2020. The Grant was cancelled, and a sole source reclamation project was attempted with the same permittee, but ultimately the contract went unsigned and the project was cancelled. The existing permit expires on September 10, 2025, if the permittee decides not to activate the permit, a reclamation contract will be put out for bid.

Global Coal Recovery Inc. (Isabella Mine), Permit Number 26931601

In April 2020, the freshwater impoundment water level reached the point of overtopping and in April 2020, the impoundment began discharging from the notch spillway causing severe erosion. The rise in the water level in less than a year was not anticipated by OSMRE or the Department. The impoundment was lowered 22 feet in July 2020, a consulting firm completed and submitted a grading plan and spillway construction plans in 2021. Based on the calculations from the consultant, the cost to reclaim (Phase I through III) will be approximately 15 million dollars, which is exponentially more than anticipated. Due to the cost to reclaim, funding through the Mining Program is not an option and the project will need to be funded through Legislative Appropriations known as Capital Budget. The Capital Budget process timeline is three to four years. The Project will be completed in phases, listed below.

- Phase IA – Fresh Water Impoundment (Drawdown, Pumping Plan, etc.) – Anticipated to begin Summer 2025
- Phase IB – Fresh Water Impoundment – (Construction of Spillway, etc.) – Anticipated to begin Summer 2025
- Phase II – Land Reclamation – Reclamation of the Pile I and Pile II Pre-Act Areas - Anticipated Summer 2025
- Phase III – Treatment System Construction – Anticipated completion date – Fall 2026

Grandstone Coal Co. (Grandstone Site), Permit Number 26840202

The landowner sought a Sole Source Reclamation Project and the project is now in the negotiating phase with the landowner. The landowner's consultant submitted their proposal in December 2021. The District Mining Office (DMO) has reviewed and approved the proposal, but the project was put on hold until supplemental funding was available. The Department explored options for funding this project under Title IV of the Federal Surface Mining Control and Reclamation Act of 1977. This site is Title IV eligible per OSMRE and the Department's Bureau of Abandoned Mine Reclamation (BAMR) and based on funding availability, the current reclamation timeline is now estimated to be 12/31/2024.

Aspenenergy Inc. (Wilpen Operation), Permit Number 65860201

In 2018, the Department explored options for funding this project under Title IV of the federal Surface Mining Control and Reclamation Act of 1977. This site is Title IV eligible per OSMRE and BAMR and the site was evaluated in 2021 to determine reclamation options. The landowner prefers to re-permit the site and declined the Department's offer to reclaim the site. There was a Notice of Intent to Explore waiver submitted by a licensed mine operator in November 2021. Exploration activities were completed at the end of December 2022. The licensed mine operator was not interested in re-mining the site after reviewing the data from the exploration project. There are no known offsite impacts or AMD discharges emanating from this site. Landowner is currently uncooperative, but DMO will contact the landowner by spring 2023 to gauge interest, since there are currently no parties interested in refuse piles or in re-mining. If the landowner changed their mind, and is willing to allow access for reclamation, the DMO will reach out to BAMR to discuss options. If the landowner does not allow reclamation, then an internal discussion will need to be scheduled to discuss how to proceed.

Ebony Coal Co. (Claridge Sub F Refuse Pile), Permit Number 65920201

From 2019 through present, the Department has attempted to coordinate access to perform the reclamation work and landowner has been unresponsive. The site is stable and well vegetated and based on the upstream and downstream sample data, the stream is not impacted and is of good quality. DEP spoke with the landowner and they do not want the pile removed, as they believe the pre-act piles are still marketable and when the time is right, they will submit a permit application. An unnecessary to reclaim report was recommended since the site is stable, well vegetated, and there are no impacts to the Waters of the Commonwealth. The Department has determined that the treatment of the discharge is unnecessary under the approved program (25 Pa. Code §86.190).

IV. ABS Legacy Sites That Need Treatment System Work (Program Amendment Attachment 4)

Under the program amendment, the Department provides a report certifying progress made during the previous year toward satisfying the obligation to complete the initial treatment system construction for the ABS Legacy Sites. Brief descriptions follow for the sites where work has been completed, is nearing completion, or requires additional work:

Sunbeam Coal Corp. (Jacques), Permit Number 10830121

A Hydrologic Investigation was conducted and summarized in a report dated November 2, 2015. The conclusion was that the discharge did not impact the receiving stream. Another hydrologic investigation dated August 2, 2018, was conducted to evaluate the updated information collected since November 2, 2015. The additional data collected supports the previous conclusion that the water quality of the discharge often does not meet effluent limits; however, it does not have a detrimental impact on the receiving stream. The receiving stream is listed as impaired and there is no Total Maximum Daily Load assigned to the stream. It was suggested that the Department look for an offset site within the watershed. The Department searched known records and conducted a field investigation to identify potential offset sites. The Department concluded that there are no offset sites within the watershed. The Department has determined that the treatment of the discharge is unreasonable under the approved program (25 Pa. Code §86.190) based primarily on the fact that the treatment of the discharge would exacerbate existing site conditions and create adverse impacts to existing riparian wetlands. There is no discharge that must be treated under program amendment language approved by the Office of Surface Mining Reclamation and Enforcement (OSMRE) on July 10, 2017.

R.S. Carlin (Mine #26), Permit Number 14663010

From 2018 to 2019, the Department conducted water monitoring and flow measurements of the discharge and the next three branches of the receiving stream to complete mass balance calculations. These calculations were used to assess what impact constructing a treatment system might have on the severely impacted waters. Geochemist Workbench software was used to run mass balance calculations. The unreasonable to treat report recommends reconsideration of treating the discharge until other pressing issues in this watershed are addressed. The discharge is located within a 486 acre subwatershed that has multiple water quality impacts from abandoned deep and surface mines. Discharging treated water from this site into the contaminated tributary would have no environmental benefit until these other larger environmental impacts are addressed. The Department's Bureau of Abandoned Mine Reclamation is looking at doing some reclamation projects on these abandoned sites in the future. A series of reclamation projects were done in the same watershed under a surety reclamation agreement using the bond money from the R.S. Carlin forfeiture.

Benjamin Coal (Marshall), Permit Number 17860105

An unreasonable to treat request/report was sent to OSMRE on December 10, 2020. The request urges reconsideration of requiring treatment at this site due to the technical difficulty of building a treatment system for the discharge and that the treatment system would provide little benefit to the receiving stream and/or the watershed. There is a potential that construction of a treatment system could result in exacerbation of existing site conditions, such as causing new or expanded mining-related discharges. The Department conducted water monitoring of the discharge and the

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next three tributaries of the receiving stream for mass balance calculations using Geochemist Workbench software. The Department is searching for a discharge in the East Branch Mahoning Creek watershed that would be a suitable treatment offset for the discharge. A suitable discharge for a treatment offset has not been identified at this time.

Purco Coal Inc. (Watkiss Mine), Permit Number 26753065

After years of delays as a result of access to the site, the treatment system construction project has been completed. The new treatment system went online in 2023 and the Department is waiting on a final report from the Grantee in June 2024. Once the final report is received, an inspection will be conducted by the New Stanton District Mining Office and an update to remove this site from Attachment #4 will be provided in the 2024 ABS Annual Report.

Arthur Brooks Coal Co. (Honsaker Site), Permit Number 26830108

There have been many challenges with this project as a result of the mine discharging off the original permit near into neighboring cropland. The landowner will not provide Right of Entry (ROE) to construct a treatment system on their cropland. In response, the New Stanton District Mining Office (NSDMO) had requested a new preliminary design to construct a treatment system on Fayette County Park Property and capture both a Title IV discharge (under the federal Surface Mining Control and Reclamation Act of 1977) which is located just north of the discharge and the off-permit discharge in 2019. While the design work has been completed, the NSDMO is currently working with the Fayette County Commissioners on an ROE. Fayette County ROE's last only two years and they need to discuss internally on how to proceed with a permanent ROE. If the ROE situation can be addressed within the next few months, construction can begin in the Fall of 2024.

James Rumble and Wm. Bane (Luzerne Twp. Mine), Permit Number 26840110

A sole source contract has been awarded for construction of the treatment system. Treatment system construction is anticipated to begin in the Summer of 2024.

Global Coal Recovery Inc. (Isabella Mine), Permit Number 26931601

As mentioned in the Attachment #3 update for Isabella, this is a three-phase project. Phase III is the design and construction of a treatment system. Based on the current data, New Stanton District Mining Office (NSDMO) and OSMRE theorize that the freshwater impoundment is hydrologically tied to the discharges and by reducing the size of the impoundment, the flow of the discharges will also reduce. OSMRE installed five data loggers at the discharges to collect flow and water quality data from 2019 through October 2020. OSMRE removed the data loggers in October 2020 and will reinstall when the freshwater impoundment drawdown work is completed. After the data collection phase (1 year from the completion of Phase I and II in 2025), the designs will be updated, and treatments system construction is anticipated to begin in Fall 2026.

Pengrove Coal Co. (Martin Mine), Permit Number 61820105

In December 2022, American Rescue Plan Act (ARPA) funds were secured for construction of the treatment system to treat the discharge. The Department is finalizing the negotiation of the right-of-entry and easement with a property owner. Treatment system construction is anticipated in Summer/Fall 2024.

**Attachment #1
ABS LEGACY SITES**

PERMIT NUMBER	MINE OPERATOR	MINE SITE	CHANGES
03840112	Tarmac Coal Inc.	Darmac #14	Completed Spring 2019
03890108	Darmac Coal Inc.	Silver Rock	Completed Spring 2019
05830101	L&B Coal Co.	No.5	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
10820121	Pengrove Coal Co.	Ruth	
10830121	Sunbeam Coal Corp.	Jacques	Seeking concurrence from OSM to remove. Remains on ABS List #1
10860118	C&K Coal Co.	Snyder Sertik	
10940105	Doverspike Bros. Coal Co.	Emerick	
11693000	K&J Coal Co.	Westover	Fully-funded Post-Mining Discharge Treatment Trust. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #1
11783035	C&K Coal Co.	Bell Woodcock	
11813019	PA Energy Corp.	Horse Hill Strip	
11823002	C&K Coal Co.	Stroud	
11850106	C&K Coal Co.	Cambria 51	
11950102	Laurel Land Dev., Inc.	McDermott	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
14663003	Power Operating	Dugan 2	
14663004	Power Operating	Dugan 4	
14663010	R.S. Carlin	Mine #26	
14803008	Avery Coal	Pine Glen	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
16713004	C&K Coal Co.	Hill Estate	
16803011	Glacial Minerals Inc.	Vosburg	
16803030	C&K Coal Co.	Smith Heasley	
16820107	REM Coal Co. Inc.	Truittsburg	

16830114	C&K Coal Co.	Tremba Horner	Discharge meets effluent limits and does not violate water quality standards. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #1
16840103	C&K Coal Co.	Kriebel	
16850101	Glacial Minerals Inc.	Blair Mine	
17723164	Al Hamilton Contr. Co.	Little Beth	
17753159	Al Hamilton Contr. Co.	Miller Stein	
17803054	Thompson Bros.	Alder Run	
17803176	Al Hamilton Contr. Co.	Sandturn	
17810104	Thompson Bros.	Morris #2	
17810154	Thompson Bros.	001 Strip	
17813143	Chews Contracting	Little D	
17820106	Al Hamilton Contr. Co.	Pearce	
17820114	Power Operating	Vought	
17820132	Benjamin Coal	Little Beaver #1	
17820143	Avery Coal Co.	Victoria	
17820166	Al Hamilton Contr. Co.	Carnwath	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
17850109	Al Hamilton Contr. Co.	Ralston	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
17860105	Benjamin Coal	Marshall	
17870114	M&M Const. Co. Inc.	Latherow Mine	
17880129	K&J Coal Co.	Gaber/Brown	Fully-funded Post-Mining Discharge Treatment Trust. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #1
17890115	Al Hamilton Contr. Co.	Kaufman	
17921605	Thomas Coal Sales	Greenwood Tipple	
17970107	Al Hamilton Contr. Co.	Kaufman North	
18860101	Lobb Inc.	Narco	
26753065	Purco Coal Inc.	Watkiss Mine	
26830108	Arthur Brooks Coal Co.	Honsacker Site	
26840110	James Rumble & Wm. Bane	Luzerne Twp. Mine	

26931601	Global Coal Recovery Inc.	Isabella Mine	
30840102	Greene County Coal	McNatt Strip	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
32823035	Acme Drilling	Broom Strip	
33743044	REM Coal Co.	Smail	
33803040	REM Coal Co.	Orcutt	
33830117	Gurosik Coal co. Inc.	King	
33840111	Doverspike Bros. Coal Co.	Mowery Mine	
56763022	Delta Mining Inc.	Maust Mine	
56773084	D&E Const. Co.	Moore Strip	
56773136	Bituminous Coals Inc.	Addison Strip	
56783046	H&H Coal Co.	James E. Long	
56793053	Delta Mining Inc.	Hay 2	
56793078	Windber High Std. Coal	Brant Strip	
56803014	Delta Mining Inc.	Bashore Mine	
56813054	L&L Mining Inc.	Berkey	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
56823108	C&O Coal Co.	Burkholder Strip	
56840103	Metco Mining & Minerals Inc.	Ankey Mine	
56840112	Amer. Dev. Co.	Job 33	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1
56960111	Big J Mining Inc.	Sorber Mine	
57830101	Bernice Mining	Lewis Mine	
61783001	C&K Coal Co.	Racic	
61820102	H&D Coal	Merola	
61820105	Pengrove Coal Co.	Martin Mine	
65703058	Frank Kowalski	Kowalski No.1 Strip	No ABS-related post-mining discharge. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #1
65830202	Delta Penn Corp.	Hostetter Mine	
65940108	Bulldog Excav.	Andrews Strip	Facility completed prior to program amendment; certified

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			and removed from List #4 in 2016 Report; Remains on ABS List #1
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**ATTACHMENT #2
Potential ABS Legacy Sites**

Permit Number	Mine Operator	Mine Site	Changes
11773037	Cooney Bros. Coal Co.	Caroff Strip	
11803038	Cooney Bros. Coal Co.	Pot Ridge 2 Strip	
11813039	Cooney Bros. Coal Co.	Feller 2 Strip	
11813040	Cooney Bros. Coal Co.	Dunlo 1 Strip	
11830102	MB Energy Inc.	Grobiak Strip	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
11860104	Cooney Bros. Coal Co.	Bethlehem Strip	
17970102	Enercorp Inc.	Forcey Mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
32810135	MB Energy Inc.	Dietrich Mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
32820134	MB Energy Inc.	CBC Strip	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
32823005	Blairsville Assoc.	Eagle Strip & Auger	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>

32841601	Robindale Energy Servs., Inc.	Dilltown Prep Plant	
32880108	MB Energy Inc.	Brush Valley 1 Mine	ABS discharges improved on their own by 2012 and DEP released remaining bonds; To Be Removed from ABS List #2 upon concurrence by OSM and publication in the <i>Pennsylvania Bulletin</i>
32950104	Big Mack Leasing Co., Inc.	Iselin 18 mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin</i>
54733020	BET Assoc. IV LLC	LCN Mine	
56663098	PBS Coals Inc.	Jolin Strip/Job 12	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin</i>
56663135	PBS Coals Inc.	Walker Mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin</i>
56743138	Cooney Bros. Coal Co.	Pot Ridge Lasky Strip	
56813050	Shade Mining Co.	Shade 3 Mine	Post-Mining Discharge Treatment Trust fully funded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); To Be Removed from ABS List #2
56813104	PBS Coals Inc.	Roberts Mine	Post-Mining Discharge Treatment Trust fully funded;

			To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin.</i>
56841605	Croner, Inc.	Goodtown Prep Plant	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin.</i>
56860104	Rosebud Mining Co.	Schrock Strip	Post-Mining Discharge Treatment Trust fully funded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); To Be Removed from ABS List #2
56880103	Rosebud Mining Co.	Jopa 1	Full cost bonded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #2
56890102	Svonavec Inc.	Ohler Strip	Post-Mining Discharge Treatment Trust fully funded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); To Be Removed from ABS List #2
56950101	Rosebud Mining Co.	Poorbaugh Strip	Post-Mining Discharge Treatment Trust fully funded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); To Be Removed from ABS List #2
56950105	Marquise Mining Corp.	MF Land Operation	Post-Mining Discharge Treatment Trust fully funded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); To Be Removed from ABS List #2
56960106	Rosebud Mining Co.	Horner	Full cost bonded. <i>See</i> 48 Pa.B. 5655 (September 8, 2018); Removed from ABS List #2

56960107	PBS Coals Inc.	Acosta	To Be Removed from ABS List #2 upon request for concurrence by OSM and publication in the <i>Pennsylvania Bulletin</i>.
65810113	MB Energy Inc.	Campbell Skovira Mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
65860105	MB Energy Inc.	Ridge Road Mine	Post-Mining Discharge Treatment Trust fully funded; To Be Removed from ABS List #2 upon concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>

ATTACHMENT #3
ABS Bond Forfeiture Sites That Need
Land Reclamation Work

Permit Number	Mine Operator	Mine Site	Changes
14663004	Power Operating Co. Inc.	Dugan 4	Certified complete (full-cost bonded) in 2018 Report
17820114	Power Operating Co. Inc.	Vought	
17841605	Benjamin Coal Co.	3 Prep Plant	Certified complete in 2020 Report
26931601	Global Coal Recovery Inc.	Isabella Mine	
26840202	Grandstone Coal Co.	Grandstone Site	
40920101	Laurel Run Corp.	Laurel Run Mine	Certified complete in 2017 Report
49851605	Twin Creek Coal Co.	Swift Breaker Mine	Certified complete in 2016 Report
54813225	Shamrock Coal Co. Inc.	Reber 4 Mine	Certified complete in 2017 Report
54830110	J&W Coal Co.	Lake Run 1 Mine	Certified complete in 2017 Report
65860201	Aspenenergy Inc.	Wilpen Operation	
65920108	Bituminous Proc. Co. Inc.	Wyano Mine	Certified complete in 2016 Report
65920201	Ebony Coal Co.	Claridge Sub F Refuse Pile	

ATTACHMENT #4
ABS Legacy Sites That Need
Treatment System Work

Permit Number	Mine Operator	Mine Site	Changes
05830101	L&B Coal Co.	No. 5	Certified complete in 2016 Report
10820121	Pengrove Coal Co.	Ruth	Certified complete in 2019 Report
10830121	Sunbeam Coal Corp.	Jacques	
10940105	Doverspike Bros. Coal Co.	Emrick	Certified complete (alternative project) in 2019 Report
11950102	Laurel Land Dev., Inc.	McDermott	Certified complete in 2016 Report
14663010	R.S. Carlin	Mine #26	
14803008	Avery Coal	Pine Glen	Certified complete in 2016 Report
17723164	Al Hamilton Contr. Co.	Little Beth	Certified complete in 2018 Report
17803054	Thompson Bros.	Alder Run	Certified complete in 2018 Report
17810104	Thompson Bros.	Morris #2	Certified complete in 2018 Report
17820132	Benjamin Coal	Little Beaver #1	Certified complete in 2022 Report
17830143	Avery Coal Co.	Victoria	Certified complete in 2017 Report
17820166	Al Hamilton Contr. Co.	Carnwath	Certified complete in 2017 Report
17850109	Al Hamilton Contr. Co.	Ralston	Certified complete in 2017 Report
17860105	Benjamin Coal	Marshall	
17890115	Al Hamilton Contr. Co.	Kaufman (camp hope)	Certified complete in 2018 Report
17970107	Al Hamilton Contr. Co.	Kaufman North	Certified complete in 2019 Report
26753065	Purco Coal Inc.	Watkiss Mine	
26830108	Arthur Brooks Coal Co.	Honsacker Site	
26840110	James Rumble & Wm. Bane	Luzerne Twp. Mine	
26931601	Global Coal Recovery Inc.	Isabella Mine	
56813054	L&L Mining Inc.	Berkey	Certified complete in 2016 Report

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56840112	Amer. Dev. Co.	Job 33	Certified complete in 2016 Report
61820105	Pengrove Coal Co.	Martin Mine	
65703058	Frank Kowalski	Kowalski No. 1 Strip	Certified complete (no ABS discharge) in 2018 Report
65830202	Delta Penn Corp.	Hostetter Mine	Certified complete in 2019 Report
65940108	Bulldog Excav.	Andrews Strip	Certified complete in 2016 Report