

**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 (OSM) 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 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 OSM 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 will 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 OSM, and OSM 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 OSM 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 OSM during PADEP/OSM periodic program management meetings as scheduled; and
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, OSM approved the extension with a revised completion date of December 31, 2023.

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 OSM consistent with OSM'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)

DEP has requested concurrence from the U.S. Office of Surface Mining Reclamation and Enforcement (OSM) to remove the following sites from the list of ABS Legacy Sites:

Sunbeam Coal Corp, Jacques (Permit No. 10830121). On September 30, 2019, the Department requested concurrence by OSM that the discharge is unreasonable, unnecessary or impossible to treat. The Department received notice that OSM did concur, however, suggested that the Department come up with a coal mine permit, either forfeited, or abandoned somewhere in the watershed, of equal or greater pollutional loading to serve as a suitable off set. OSM stated that doesn't necessarily mean the site would or should automatically come off the list.

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

DEP requested concurrence from OSM to remove the first two Trust Funds from the list below of potential ABS Legacy Sites on February 19, 2021:

The MB Energy Inc. Grabiak Strip (Permit No. 11830102), Dietrich Mine (Permit No. 32810135), CBC Strip (Permit No. 32820134), Campbell Skovira Mine (Permit No. 65810113) and Ridge Road Mine (Permit No. 65860105) will 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. MB Energy Inc. Brush Valley #1 (Permit No. 32880108) 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.

The Enercorp Inc. Forcey Mine (Permit No. 17970102) will be removed from the list because the Post-Mining Discharge Treatment Trust was fully funded as of May 6, 2015.

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The Blairsville Associates Eagle Strip & Auger (Permit No. 32823005) will be removed from the list because the site was fully bonded in 2015 at \$198,200 to specifically cover treatment liability.

Additional update: Cooney Brothers Coal Co. Caroff Strip (Permit No. 11773037), Pot Ridge 2 Strip (Permit No. 11803038), Feller 2 Strip (Permit No. 11813039); Dunlo 1 Strip (Permit No. 11813040), Bethlehem Strip (Permit No. 11850104), and Pot Ridge Lasky Strip (Permit No. 56743138) are now under the administration of the estate the late Mr. Paul Cooney and the company continues to provide treatment at all the sites. The Department is coordinating with the estate to fully fund the previously executed Post-Mining Discharge Treatment Trust. As of the Department's 2019 annual trust meeting, the trust contained \$14,088,550.96 which was \$6,350,428.94 less than the \$20,438,979.90 required to fully fund the trust. The payment plan shows the trust being fully funded in 2023.

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

Starting in 2018 the Department began working with Junior Coal Contracting, Inc. (Junior) on revising SMP #17080107 (Vought), which encompasses the unreclaimed pit on the Vought ABS permit. Junior wanted to move from carrying out primarily a reclamation project to a focus on coal removal. After delays in the start of this project, the Department extended the approved Growing Greener Remining Incentive Grant for \$500k in alkaline additions to the maximum possible term, to expire December 31, 2020. The 2010 Bond Credit Consent Order and Agreement (COA) detailing the use of the incentive grant and application of bond credits was updated and rewritten as COA 184019. All parties had agreed on the revised details of the COA which ties together the permit, bond credit, and grant, but signing was delayed as a MSHA Ground Control Plan was awaiting approval. COA 184019 was never signed by Junior, and on January 19, 2021 Junior requested that the Growing Greener Remining Incentive Grant be terminated. The Growing Greener Grant was canceled, and the funds have been released. The Department is moving forward with an Act 181 Sole Source Reclamation Project to complete the reclamation.

Benjamin Coal Co. (3 Prep Plant), Permit Number 17841605

During the summer of 2018, the Department had 7,000 tons of coal refuse removed in Phase 1 of this project to prepare this site for further reclamation. A contract was signed May 10, 2019 with Earth Shapers LLC for Phase 2 of this project. Work for Phase 2 began in July 2019 and was completed in December 2019. Twenty-one ponds were de-watered and graded to provide positive drainage at the former coal preparation plant site. The existing ditch along a private camp access road was cleaned out and graded to provide positive flow to a culvert and stone lined ditch built by the contractor. This new drainage system captures upslope and onsite flows and conveys water offsite to an existing culvert under the railroad tracks. The road to the private camp was improved and is in better condition because of the upgraded stormwater management. Phase 2 of the project also included removal of trash, debris, metal, wood, and the remains of a concrete scale house and pumphouse from the former Benjamin Coal Prep Plant #3. An old culvert across a tributary to Chest Creek was removed. Disturbed areas have been seeded and mulched and stable vegetation is growing. Final inspection, certification and payment was completed in Spring 2020.

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

During 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 DEP. The syphon was re-started in April 2020 and broke suction sometime in July 2020 dropping the Freshwater Impoundment approx. 22 ft. Tetra Tech submitted the bid package for the drawdown in July 2020. Drawdown is anticipated to begin sometime in Spring 2021 through re-activating the syphon and pumping, dropping the water elevation to the preferred water elevation (when the site was active). The Project will be completed in phases, listed below. Tetra Tech completed the grading plan and spillway construction plans and submitted to DEP and TC Energy in Feb. 2021. TC Energy will now be able to determine what their timeline will be to complete the permitting for gas line relocation since they received the grading and spillway construction plans.

Phase IA – Fresh Water Impoundment (Drawdown, Pumping Plan, etc.) – Anticipated to begin Spring 2021

Phase IB – Fresh Water Impoundment – (Construction of Spillway, etc.) – Anticipated to begin Late Fall 2021 (Dependent on TC Energy timeline)

Phase II – Land Reclamation – Reclamation of the Pile I and Pile II Pre-Act Areas - Anticipated to begin Late Fall 2021 (Dependent on TC Energy timeline)

Phase III – Treatment System Construction – Anticipated to begin Summer/Fall 2022

Due to the complexity of coordinating the draw-down of the freshwater impoundment (requiring at least 8-10 months of permitting caused by existing gas and water lines), Tetra Tech will be the design consultant working closely with OSMRE and utility companies.

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

Due to complications in the Act 181 landowner process and has been determined that it is no longer a viable option, the Grandstone project will now be completed through Sole Source. The landowner is a licensed mine operator and the project now is in the negotiating phase with the landowner. Anticipate reclamation work to begin in late summer early fall 2021.

Aspenenergy Inc. (Wilpen Operation), Permit Number 65860201

During 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 the Department's Bureau of Abandoned Mine Reclamation (BAMR) will be field reviewing the site to evaluate options to get the site reclaimed in early 2021.

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

From 2019 through present, the Department has continued to try to coordinate access to perform the reclamation work and landowner is unresponsive. The site is stable and well vegetated and based on the upstream and downstream sample data, the stream is not impacted and of good quality. DEP spoke with the landowner and they do not want the pile removed, they believe the pre-act piles are still marketable and when the time is right, they will submit a permit application. DEP is currently drafting a 86.190 report to submit to OSMRE.

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

During 2019, the Department requested concurrence by OSM that the discharge is unreasonable, unnecessary or impossible to treat. The Department received notice that OSM did concur, however, suggested that the Department come up with coal mine permit, either forfeited, or abandoned somewhere in the watershed, of equal or greater polluttional loading to serve as a suitable off-set. OSM stated that doesn't necessarily mean the site would or should automatically come off the list.

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

The unreasonable to treat report was sent to OSMRE on July 15, 2020. It is under review by OSMRE. From 2018 to 2019, the Department conducted water monitoring of discharge TSNO and the next three levels of receiving stream to complete mass balance calculations. These calculations were used to assess what impact constructing a treatment system might have in these severely impacted waters. Geochemist Workbench software was used to run mass balance calculations, and the Department worked with OSMRE experts to complete these calculations. The report recommends reconsideration of treating the TSNO discharge until other pressing issues in this watershed are addressed. Most significantly, the District Mining Office has contacted the Department's Bureau of Abandoned Mine Reclamation about the existence of a large abandoned and unreclaimed surface mine, which unexplainably is absent from BAMR's abandoned mine inventory. The existence of this unreclaimed mine and its impacts to the watershed makes any treatment of the Mine 26 discharge TSNO unlikely to improve the watershed to any significant degree.

Benjamin Coal (Little Beaver #1), Permit Number 17820132

During 2018, the Department worked with the Clearfield County Conservation District (CCCD) to compile data, secure landowner approvals, and encourage applying for a Grant to provide treatment at the ABS discharge RLB2. The CCCD and consultant Hedin Environmental submitted an application and were awarded a SMCRA Grant in November 2018 for the design and construction of a passive treatment system for the RLB2 discharge. Hedin carried out site work in 2019 to collect water quality information to aid in system design, which is nearly complete. Additional surveying and water sample collection was completed in 2020 to use for the treatment system design. Construction is anticipated to begin in Summer of 2021.

Benjamin Coal (Marshall), Permit Number 17860105

The unreasonable to treat report was sent to OSMRE on December 10, 2020. It is under review by OSMRE. The unreasonable to treat report urges reconsideration of requiring treatment at this site due to the technical difficulty of building here and that treatment of the MP4 discharge would provide little benefit to the receiving stream and watershed. The Department conducted water monitoring of discharge MP4 and the next three levels of receiving stream for making mass balance calculations using Geochemist Workbench software.

Al Hamilton Contracting Co. (Kaufman North), Permit Number 17970107

As the Department identified in its 2016 Report, the site has two passive treatment systems constructed by Al Hamilton prior to forfeiture. The existing systems still function, and the Department is monitoring their status for mid-term maintenance. Because of their current functionality, the Department had postponed the work identified in the 2016 report, intending it to be addressed as part of the routine maintenance by the contract operator, including rehabilitation of VFP media in the JR system, and adding additional limestone to allow GR system to treat under high flow conditions. In August of 2019, contract operator G Force Engineering removed and replaced the passive treatment system compost media and replaced plumbing features at the JR system, which brought that facility back to full functionality. Additional stone will be added to GR system in an upcoming O&M cycle. O&M of the treatment systems have been under contract since 2004.

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

During 2018, Stream Restoration, Inc., the recipient of a Growing Greener grant to construct a water treatment system at this site, requested an extension through December 31, 2019 due to difficulties coordinating access to the site. During 2019, Stream Restoration, Inc., requested another extension. Because there had been no progress between extension requests, the Department made the decision to deny the extension request and cancel the Grant Agreement. The Western PA Conservancy (WPC) has agreed to submit a new Growing Greener grant application for 2019 – 2020. The WPC was awarded a SMCRA grant to complete reclamation in January 2021. Once the grant is executed, the WPC and DEP will begin collecting data in for the design phase in 2021. Treatment system construction is anticipated to begin in Summer/Fall 2022.

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

There are many challenges with this project. Title V mine drainage is discharging off permit on virgin cropland. The landowner will not sign a ROE to construct a treatment system on their cropland. To bypass this hurdle, in 2019, DEP requested a new preliminary design to construct a treatment system on Fayette County Park Property to capture both Title IV and Title V discharges. The Department emailed the proposed plan to the Fayette County contact in 7/2020 and resent at the request of Fayette County in 11/2020. Contacted Fayette County on 02/05/21 requesting update and Fayette County Commissioners approved the resolution on 12/17/20. DEP is now approved to access the Fayette County park property for the design and study of the proposed treatment system. Next step – Obtain ROE from landowner with the Title V discharge. Once ROEs are executed, sampling and flow measurements on both Title IV and V discharges will commence. If current timeline holds, treatment system construction is anticipated to begin in Summer 2022.

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

During 2019, the Department has executed a Task Agreement with a design consultant. Design plans and bid documents anticipated to be completed in the first quarter of 2021. Construction of Treatment System is anticipated to begin sometime in late summer, early fall of 2021.



Luzerne Mine Discharge Pipe



Luzerne Mine Discharge Pipe

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

During 2019, the District Mining Office continued to collect data and meet with the Department's Division of Dam Safety and OSM. Dam Safety approved work regarding the Fresh Water Impoundment and the Department purchased Flumes to be installed at specified locations. This is a three Phase project. Phase III is the design and construction of a treatment system. Based on the current data, the Department and OSM theorize that the Fresh Water Impoundment is hydrologically tied to the AMD discharges and by reducing the size of the Fresh Water Impoundment, the flow of the AMD discharges will also reduce. OSMRE and DEP installed a total of five (5) Flumes in 2019. OSMRE installed data loggers in the Flumes to collect flow data from 2019 through October 2020. Samples were also collected during this time. OSMRE removed the data loggers in October 2020 and will reinstall when the Freshwater Impoundment drawdown work is completed. Treatment system construction is anticipated to begin in late summer/early fall 2022.

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

During 2018 through present, the Department has continued to try to coordinate access for construction of the facility and its long-term operation and maintenance.

Sites listed in the Settlement Agreement

**Attachment #1
ABS LEGACY SITES**

PERMIT NUMBER	MINE OPERATOR	MINE SITE	CHANGES
03840112	Darmac 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

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65830202	Delta Penn Corp.	Hostetter Mine	
65940108	Bulldog Excav.	Andrews Strip	Facility completed prior to program amendment; certified and removed from List #4 in 2016 Report; Remains on ABS List #1

**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.	Gabiak Strip	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>
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 request for 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 request for 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 request for concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>
32823005	Blairsville Assoc.	Eagle Strip & Auger	Full cost bonded; 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 request for 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 request for 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 request for concurrence by OSM and publication in <i>Pennsylvania Bulletin</i>

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**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	
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
56840112	Amer. Dev. Co.	Job 33	Certified complete in 2016 Report

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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