

SURFACE MINING CONSERVATION AND RECLAMATION ACT

2013

RECLAMATION AND REMINING INCENTIVES REPORT



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Prepared for:
Senate Environmental Resources and Energy Committee
and
House Environmental Resources and Energy Committee

Prepared by:
Pennsylvania Department of Environmental Protection
Office of Active and Abandoned Mine Lands

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I. Executive Summary

In accordance with the requirements of Section 4.11(b) of the commonwealth's Surface Mining Conservation and Reclamation Act (SMCRA) regarding the Department of Environmental Protection's (DEP) reclamation and remining programs, this report is submitted to the Senate Environmental Resources and Energy Committee and to the House Environmental Resources and Energy Committee. This report provides the status of the DEP's reclamation and remining programs authorized under the SMCRA Sections 4.8, 4.9, 4.10, 4.12, 4.13, and 18. Information is current to December 31, 2013.

Since its inception, Pennsylvania's reclamation and remining incentives programs have been very successful. Coal mine operators using these programs have reclaimed over 6,400 abandoned mine land (AML) acres equivalent to more than \$39 million in reclamation value.

The Government-Financed Reclamation Construction Contracts program benefits the public and the mining operators by establishing contracts for mining companies to conduct operations that will reclaim abandoned mine lands sites at little or no cost to the public. Between January 1991 and December 31, 2013, there were 253 contracts issued, with a total reclamation value of over \$16.2 million.

The Remining Operator Assistance Program (ROAP) created an incentive to remine and reclaim abandoned mine land areas by providing financial assistance for most of the cost of permitting the remining area. Between August 1996 and December 31, 2013, there were 30 mine operators participating in this program on 60 remining sites. The total cost to the Commonwealth of these 60 remining ROAP projects was \$913,284. Through December 31, 2013, there were 45 projects with approved remining permits at a cost to the Commonwealth of \$800,971. Of these 45 ROAP permits, 2 became bond forfeitures and 2 projects had their ROAP funds reimbursed to the Department by the mine operator because of reimbursement liability regulations. The remaining 41 permits will eventually reclaim 1,843.4 acres of abandoned mine land with an approximate reclamation value of \$11.1 million.

Under the Financial Guarantees program, DEP provides low cost bonding of remining areas. As of December 31, 2013, 181 coal mine operators used financial guarantees to bond 704 mining permit increments. Those operations have reclaimed 3,550.6 acres of abandoned mine land, saving the commonwealth an estimated \$21.3 million.

The Bond Credits program also provides an incentive for operators to reclaim an abandoned area by earning a "bond credit" under a Consent Order and Agreement with DEP. Five licensed mine operators have completed six bond credit projects. The six projects that have been completed under this program reclaimed 50.1 acres and represent a reclamation value of \$553,239. A Consent Order and Agreement for a seventh project was signed on August 21, 2013. The project plans to reclaim 50.6 acres and reconstruct over 3,600 feet of stream channel.

Because of implementation feasibility, DEP has not promulgated regulations nor established final criteria for the Designating Areas Suitable for Remining program, as explained in detail on pages 5-6 Summary of Reclamation and Remining Incentives Programs

1996-2012

Program	Year	Number of Companies	Number of Projects	AML Acres Reclaimed as of 12/31/2012	Reclamation Value of Projects Completed by 12/31/2012
Government-Financed Rec. Contracts	91-12	110	244	2,482.9	\$14,897,400
ROAP	97-12	30	41	134.0	\$804,000
Financial Guarantees	96-12	165	684	3,513.1	\$21,078,540
Bond Credits	96-12	5	6	50.1	\$553,239
Totals		310	975	6,180.1	\$37,333,179

Summary of Reclamation and Remining Incentives Programs
2013

Program	Year	Number of Companies	Number of New Projects	AML Acres Reclaimed During 2013	Reclamation Value of Projects Completed in 2013
Government-Financed Rec. Contracts	2013	8	9	218.9	\$1,313,400
ROAP	2013	Program Ceased	Program Ceased	22.5	\$135,000
Financial Guarantees	2013	16	20	37.5	\$225,000
Bond Credits	2013	1	1	0	0
Totals		26	34	278.9	\$1,673,400

II. Conclusions and Recommendations

DEP recommends Section 4(d) of SMCRA be amended to allow reclamation bonds posted for “lands eligible for remining” to be released similar to the provisions of the federal SMCRA. This would mean reducing the minimum amount of time that bonds are held after reclamation work is complete from five years to two years; continuing the reclamation and remining incentives programs; and continuing to identify and develop reclamation and remining incentives.

DEP has developed four of the five reclamation and remining incentive programs authorized by the 1992 amendment to SMCRA. They are: Government Financed Reclamation and Construction Contracts, Remining Operator’s Assistance Program, Remining Financial Guarantees to Ensure Reclamation, and Reclamation Bond Credits. The fifth program - Designating Areas Suitable for Remining has not been implemented. Mine operators utilizing these four programs have reclaimed over 6,400 acres of abandoned mine land. This equates to an approximate reclamation value of \$39 million (completed reclamation areas only). There are projects in progress with remining or reclamation yet to be completed.

DEP costs to operate the programs are minimal. Existing staff absorbed the reclamation and remining program work as additional duties.

These programs are encouraging abandoned mine land reclamation at a dramatic cost saving to the commonwealth. The environment is being enhanced, the mine operators are receiving support, and the abandoned mine land burden is being reduced. The “Reclaim PA” program aims to maximize reclamation of Pennsylvania’s \$15 billion abandoned mine legacy. Remining by industry is a major component of this reclamation effort. This program encourages reclamation with financial incentives for operators to remine and reclaim abandoned mine lands as opposed to surface mining on virgin lands. These remining incentives have become the keystone in the commonwealth’s “Reclaim PA” program. DEP will continue to identify and develop incentives to encourage and expand reclamation and remining operations.

DEP will continue the reclamation and remining incentive programs.

DEP will continue to identify and develop incentives to encourage reclamation and expand reclamation through remining operations.

III. Background

This report has been prepared in accordance with the requirements of Section 4.11(b) and (c) of SMCRA. Section 4.11(b) requires DEP to prepare a report regarding DEP’s reclamation and remining programs to the Senate and House Environmental Resources and Energy Committees. Section 4.11(b) was added to the SMCRA by passage of Act 173 on December 18, 1992. This report summarizes the status of DEP’s reclamation and remining programs authorized under the SMCRA Sections 4.8, 4.9, 4.10, 4.12, 4.13, and 18.

There are five primary reclamation and re-mining programs authorized by these sections of the SMCRA:

Section 4.8 – Government Financed Reclamation and Construction Contracts

Section 4.9 – Designating Areas Suitable for Reclamation by Re-mining

Section 4.10 – Re-mining Operator’s Assistance Program (ROAP)

Section 4.12 – Re-mining Financial Guarantees to Ensure Reclamation

Section 4.13 – Reclamation Bond Credits

Section 18 of the SMCRA includes the creation of the Re-mining Environmental Enhancement Fund and the Re-mining Financial Assurance Fund. The status of both of these funds is included in Sections V and VI, of this report, respectively.

In addition to the program descriptions contained in this report, appropriate tables for each program showing site/operator lists, project cost, reclamation dollar value, and pertinent dates are included in the appendices to this report. Many of the re-mining incentive program descriptions refer to a “re-mined area.” A “re-mined area,” as defined in these descriptions, includes the AML area to be reclaimed and up to 300 feet of adjacent previously unmined area that is needed to complete the reclamation.

This report was submitted to the Mining and Reclamation Advisory Board (MRAB) as required by Section 4.11(c)(5) of SMCRA. The MRAB’s comments are included as Appendix A.

IV. Individual Program Descriptions

A. SMCRA Section 4.8 - Government-Financed Reclamation and Construction Contracts

The Government-Financed Reclamation and Construction Contracts (GFCC) program involves contracted operations that will reclaim abandoned mine land sites at little or no cost to the public. This program was previously known as the No-Cost Government-Financed Reclamation Contracts Program. Regulations were deemed unnecessary for implementation of this program.

This program allows removal of incidental coal or coal refuse during the reclamation of an abandoned mine land site. Occasionally, coal removal is necessary in order to effectively and efficiently reclaim an abandoned mine land site. The value of the coal or coal refuse that must be removed to reclaim the site offsets the cost of the reclamation project.

Under the GFCC program, the mining industry has made progress in reclaiming coal refuse and other abandoned mine land sites at no additional direct cost to the commonwealth. Between January 1991 and December 31, 2013, there were 253 contracts issued reclaiming 2,701.8 acres for a total reclamation value of approximately \$16.2 million. The projects contracted during 2013 are listed in Appendix B.

The GFCC program was modified in 1999 and is one of the initiatives of the “Reclaim PA” program. The U.S. Department of Interior, Office of Surface Mining, Reclamation and Enforcement approved the

new program as an amendment to Pennsylvania’s Abandoned Mine Reclamation Plan. The GFCC program allows incidental coal removal as part of abandoned mine land reclamation contracts, authorizes no cost reclamation contracts and allows reclamation of abandoned mine land adjacent to active mining operations using excess spoil.

Government-Financed Reclamation & Construction Contracts Overview:

	As of 12/31/12	As of 12/31/13
Number of acres completed	2,482.9	2,701.8
Number of companies	110	118
Number of projects	244	253

B. SMCRA Section 4.9 - Designating Areas Suitable for Reclamation by Remining

DEP has not promulgated regulations nor established a program for designating areas suitable for remining. DEP found that, considering the broad industry acceptance of the other incentive programs such as the Remining Financial Guarantee Program, the scope and benefits of designating areas suitable for remining required considerably more analysis. The analysis has been completed and there is no feasible way to implement this program at this time.

There are several issues with the Designating Areas Suitable for Reclamation by Remining (DASRR) program.

To designate a property as ‘Suitable for Remining,’ DEP would need to gather the same information that is required for an approved surface mining permit application. It is unclear whether the property owner or the mine operator would be responsible for submitting this information.

There is no fair, competitive way to determine which property to designate. Determining which surface mine operator should receive the benefits of the designation is also quite arbitrary.

If DEP would gather information on a property that would not be mined in the following 10 years, to designate it ‘Suitable for Remining’, the information would become dated. Mining processes and “best management practices” would probably have advanced enough that it would become necessary for the information to be gathered again.

DEP does not have advanced notice as to which operator will mine the property, if any. Different mine operators use very different equipment and therefore different mining methods. The varying mining methods require different mining and reclamation plans, resulting in different pre-permit information packages needed.

Pre-permit information gathering may cost between \$25,000 and \$200,000. This is a substantial amount to spend for a project that may not move ahead. DEP does not have either the money or the staffing necessary to perform this type of work.

C. SMCRA Section 4.10 - Remining Operator's Assistance Program (ROAP)

The regulations for the ROAP program were promulgated as 25 Pa. Code Sections 86.261-86.270 and became effective on Aug. 24, 1996. The ROAP program provides an incentive to an operator to remine and reclaim an abandoned mine land area that the operator would not otherwise reclaim. This incentive is in the form of DEP financial assistance towards the cost of obtaining a permit for the remining area. The ROAP program pays qualified consultants to collect and analyze permit-specific hydrogeologic data and prepare reports used in the mine permit application.

Between August 1997 and April 2003, 30 operators applied to this program for 60 remining ROAP projects. As of December 31, 2013, 41 ROAP projects became mining permits. When completed, these 41 operations will have provided 1,843.4 acres of surface AML reclamation and almost 1,000 acres of AML underground reclamation. The cost to DEP in ROAP assistance for these 41 permits was \$800,971. DEP or the applicant cancelled 19 of the 60 projects. DEP's cost for these 19 projects totaled \$134,327. Of the 41 ROAP applications that became mining permits, 11 of these permits are actively mining, while 8 are in various stages of reclamation and 22 have fully completed reclamation activities. No additional applications have been taken into the program since 2003 because funding for the program has ceased.

The complete ROAP program projects are listed in Appendix C.

Remining Operator's Assistance Program (ROAP) Overview:

ROAP AML acres reclaimed between January 1, 2013 and December 31, 2013 are 22.5 AML surface acres at a cost of \$43,817.

Total ROAP AML acres reclaimed as of December 31, 2013 are 156.5 AML surface acres at a cost of \$336,630.

Total ROAP AML acres reclaimed upon completion of all ROAP Projects are estimated at 1,843 at a cost of \$800,971, with a total reclamation value over \$11 million.

D. SMCRA Section 4.12 – Remining Financial Guarantees to Ensure Reclamation

The Remining Financial Guarantees to Ensure Reclamation Program regulations were promulgated as 25 Pa. Code Sections 86.281-86.284 and became effective on Aug. 24, 1996. Under this program, DEP provides low-cost bonds to guarantee reclamation of the remining area of a surface mine permit.

Each operator and each permit must meet the regulatory criteria to participate in this program. An operator is limited to a maximum financial guarantee value of 30 percent of the amount allocated in the Financial Guarantee Special Account within the Remining Financial Assurance Fund (RFAF). Each permit is limited to a maximum financial guarantee value of 10 percent of the amount allocated in the Financial Guarantee Special Account within the RFAF. During 2006, with the support of the Mining and Reclamation Advisory Board (MRAB), DEP increased the amount allocated from \$800,000 to \$1,000,000. This allowed DEP to raise the maximum amount of remining financial guarantees that an operator may use at any one time from \$240,000 to \$300,000 and the maximum permit limit from

\$80,000 to \$100,000. During 2010 (again with the approval of the MRAB) DEP used part of the fees paid by operators to increase the amount of funding allocated to the Remining Financial Guarantee Program to \$1,200,000. This allowed DEP to again raise the maximum amount of remining financial guarantees that an operator may use at any one time to a maximum permit limit of \$120,000 and a maximum operator limit of \$360,000. This amount may be adjusted periodically by DEP based on premium payments made by the operators as well as bond forfeitures. An operator may not substitute financial guarantees for existing bonds, and financial guarantees may not be rolled over.

Act 157 of October 24, 2012 authorized the transfer up to \$500,000 to the Remining Financial Assurance Fund for use in supporting remining financial guarantees issued by the department. The additional \$500,000 was transferred to the Remining Financial Assurance Fund in March 2013. By allocating an additional \$500,000 the maximum limits for the Remining Financial Guarantee Program increased to \$510,000 per operator and \$170,000 per permit.

An operator is not required to pay the \$100 acre permit fee on any area bonded with financial guarantees. Bond release is the same as for any other bond; however, financial guarantees are the first bond released on a surface mining permit.

The operator pays an annual fee for financial guarantees of one percent per year. The fee is paid in advance and is not refundable. The one percent fee goes into the RFAF. This is the only source of income to the fund.

As of December 31, 2013, a total of 181 coal mine operators had used financial guarantees 704 times. Those operators have reclaimed 3,550.6 acres of abandoned mine land. This has saved the commonwealth an estimated \$21.3 million in reclamation costs, based on an average of \$6,000 an acre. Two operators have permits that are at the \$170,000 per permit limit and one operator is at their \$510,000 per operator limit.

The commonwealth's cost to operate this program is approximately 2.5 employee years of DEP staff effort each year. Since inception of the program on January 3, 1996, about ten percent of bonding instrument issued has included financial guarantees.

Appendix D lists the individual projects that were issued in 2013.

Remining Financial Guarantees to Ensure Reclamation Program Overview:

	As of 12/31/12	As of 12/31/13
Reclamation value of abandoned mine projects	\$21,078,540	\$21,303,540
Number of acres of AML completed	3,513.1	3,550.6
Number of operators participating	175	181
Number of financial guarantees issued	684	704

E. SMCRA Section 4.13 - Reclamation Bond Credits Program

The Bond Credits program regulations were promulgated as 25 Pa. Code, Sections 86.291-86.295, and took effect on August 24, 1996.

The Bond Credits program provides an incentive to an operator to voluntarily reclaim an abandoned mine area that the industry would not ordinarily reclaim. An operator may earn a “bond credit” under a Consent Order and Agreement with the DEP by reclaiming an abandoned mine land area. The area does not have to be associated with a mining permit. The value of the bond credit is equal to the lesser of either DEP’s cost or the operator’s cost to reclaim the stipulated area. Once earned, the operator may use the bond credit instead of normal bonding on future mining permits.

Each bond credit may be used twice by the operator in lieu of a normal bond on a mining permit. The bond credit may be transferred to another operator.

Five licensed mine operators have completed six bond credit projects. The earned “bond credits” are being used. Approximately \$57,000 has been released from its second use and is available for use on new projects.

The commonwealth’s cost in operating this program is approximately one employee month of DEP staff effort for each project. A Consent Order and Agreement for a seventh project was signed on August 21, 2013. Reclamation is projected to begin in calendar year 2014..

Reclamation Bond Credits Overview:

	As of 12/31/12	As of 12/31/13
Reclamation value for completed projects	\$553,239	\$553,239
Number of acres reclaimed	50.1	50.1
Number of projects completed	6	6
Number of projects in process	0	1

V. Remining Environmental Enhancement Fund (REEF)

Section 18 of SMCRA, as amended by Act 173 of 1992, authorizes the secretary of DEP to transfer a maximum of \$1 million per year into the Remining Environmental Enhancement Fund (REEF). This transfer shall be aggregated from revenue sources in the Surface Mining Conservation and Reclamation Fund, the Clean Water Fund, the Coal Refuse Disposal Control Fund, and the Bituminous Mine Subsidence and Land Conservation Fund. REEF is used to fund the ROAP program and the Designating Areas Suitable for Remining program.

To date, the ROAP program has received appropriations of \$850,000 from REEF: \$450,000 from the Surface Mining Conservation and Reclamation Fund, \$125,000 from the Coal Refuse Disposal Control Fund, \$125,000 from the Bituminous Mine Subsidence and Land Conservation Fund, and \$150,000

from the Clean Water Fund. The ROAP program spent about \$806,155 over five years, which is sufficient to fund approximately 10 projects per year. This fund is now depleted. The money remaining in the Surface Mining Conservation Fund, the Coal Refuse Disposal Control Fund, and the Bituminous Mine Subsidence and Land Conservation Fund is obligated to complete reclamation of forfeited sites, etc.

VI. Remining Financial Assurance Fund (RFAF)

The Pennsylvania Legislature also authorized the establishment of the Remining Financial Assurance Fund (RFAF) in the 1992 amendments to SMCRA. This fund is used to provide the reserve for the Remining Financial Guarantees to Ensure Reclamation and Reclamation Bond Credit Programs. These amendments authorized the DEP to transfer up to \$5 million from the Land and Water Development Fund to the RFAF. In 1996 \$1 million was transferred into the RFAF. A second \$1 million was transferred into the RFAF in 1997. Act 157 of October 24, 2012 authorized the transfer up to \$500,000 to the Remining Financial Assurance Fund for use in supporting remining financial guarantees issued by the department.

There are no planned expenditures from the RFAF. The money in this fund is used as a reserve to guarantee the bonds written in the Reclamation Bond Credit and Financial Guarantee programs. The bond credit program is required to have funds in the RFAF at least equal to funds issued as bond credits. The Financial Guarantee program is authorized to use an actuarial formula (mine permit forfeiture rate + a safety factor) to leverage the amount of money in the reserve to write more financial guarantees than are actually allocated in the fund, based on the historical rate of bond forfeitures. Currently, \$1.7 million is allocated for financial guarantees, allowing the DEP to write \$22.6 million in financial guarantees. As of December 31, 2013, \$10,902,778 was designated to financially assure reclamation obligations on mining permits with approved remining areas.

The only other source of funding for the Financial Guarantee and Bond Credit Programs stems from the one percent annual fee that the permittees pay for the use of the financial guarantees. Since the Financial Guarantee program became available in January 1997, participating coal mine operators have paid \$1,928,663 in annual fees. The annual fees must be held in reserve until the fund for Financial Guarantees is considered actuarially sound. The fund is actuarially sound when there is a sufficient amount of money in reserve to cover any expected losses.

DEP has allocated \$1.7 million to the Financial Guarantee Special Account to act as the reserve for the Financial Guarantee Program. DEP has allocated \$500,000 to the Bond Credit Account to act as the reserve for the Bond Credit Program.

Appendix A
Mining and Reclamation Advisory Board Comments

A copy of the draft report was presented for review and comment to the Mining and Reclamation Advisory Board (MRAB) during their April 24, 2014 meeting.

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Appendix B

New Government-Financed Reclamation and Construction Contracts Project List for 2013

2013 GFCCs Issued

Year	County	Mailing Name	Contract	Contract Date	No. Acres Proposed	Bond
2013	Centre	WAROQUIER COAL CO	14-12-01	07/10/13	9.20	\$5,000.00
2013	Clearfield	CMT ENERGY INC	17-10-01	03/27/13	6.40	\$4,480.00
2013	Clearfield	JOHN & JUSTIN WELKER	17-11-02	11/27/13	2.30	\$47,250.00
2013	Indiana	FORCEY COAL INC	32-12-01	10/07/13	2.40	\$36,000.00
2013	Jefferson	ORIGINAL FUELS INC	33-10-15	06/17/13	32.80	\$227,900.00
2013	Somerset	RIDGE ENERGY CO	56-10-03	05/28/13	2.50	\$39,530.00
2013	Westmoreland	COAL LOADERS INC	65-06-05	07/25/13	11.80	\$88,000.00
2013	Westmoreland	DAVID L PATTERSON JR	65-12-01	01/17/13	15.90	\$96,000.00
2013	Westmoreland	DAVID L PATTERSON JR	65-13-01	12/11/13	18.80	\$90,450.00

Appendix C

Remining Operator's Assistance Program Project List for 2013

Total ROAP Inventory

ROAP #	SMP #	SMP ISSD	Operator	District	Status
1	17990101	2/7/2001	Sky Haven Coal Co.	Moshannon	Reclamation Continues
2	17980101	2/9/2000	Ed Hanslovan Coal Co.	Moshannon	Bond Forfeiture
3	32980109	7/28/1999	Amerikohl Mining Co.	Cambria	Reclamation Completed
4	32980105	5/11/1999	Amerikohl Mining Co.	Cambria	Reclamation Completed
5			Hepburnia Coal Co.	Moshannon	Cancelled
6	32980108	1/27/1999	Amerikohl Mining Co.	Cambria	Reclamation Completed
7			Amerikohl Mining Co.	Cambria	Cancelled
8	17990107	7/5/2001	River Hill Coal Company	Moshannon	Active
9	54980103	2/4/1999	Gale Coal Co.	Pottsville	Active
10	54980201	12/4/1999	A C Fuels Co.	Pottsville	Active
11	26980102	9/11/1998	Patterson Coal Co.	Greensburg	Reclamation Completed
12	11980202	10/2/1998	Smith Energy	Cambria	Reclamation Completed
13	56980110	5/3/1999	Fritz Coal Co.	Cambria	Reclamation Completed
14			Reichard Contracting	Greensburg	Cancelled
15	56990101	12/22/1999	Hoffman Mining Inc.	Cambria	Reclamation Completed
16	03990103	12/3/1999	Amerikohl Mining Co.	Greensburg	Reclamation Completed
17	32990103	3/8/2001	T L H Coal Co.	Cambria	Reclamation Completed
18	63990102	PBNM	Robinson Coal Co.	Greensburg	Cancelled
19	17980124	10/18/1999	River Hill Coal Company	Moshannon	Reclamation Completed
20	03990102	11/13/2000	Thomas J. Smith Inc.	Greensburg	Reclamation Completed

Total ROAP Inventory

ROAP #	SMP #	SMP ISSD	Operator	District	Status
21	32000108	12/23/2004	River Hill Coal Company	Cambria	Active
22	26990101	PBNM	PBS Coal Inc.	Greensburg	Cancelled
23	17000101	9/13/2001	River Hill Coal Company	Moshannon	Reclamation Completed
24	33990101	7/19/1999	Amerikohl Mining Co.	Knox	Reclamation Completed
25	17990102	9/13/2001	River Hill Coal Company	Moshannon	Active
26			Marquise Mining Corp.	Greensburg	Cancelled
27	17990103	8/4/2002	River Hill Coal Company	Moshannon	Active
28			Energy Resource Inc.	Moshannon	Cancelled
29			Hepburnia Coal Co.	Cambria	Cancelled
30	11990102	7/16/2003	AMFIRE Mining Co.	Cambria	Reclamation Continues
31	40990101	9/15/2000	Hazleton Shaft Corp.	Pottsville	Active
32	03000101	10/10/2000	Amerikohl Mining Co.	Greensburg	Reclamation Completed
33			Larson Enterprises Inc.	Moshannon	Cancelled
34	65990106	5/11/2000	Ralph Smith & Son	Greensburg	Bond Forfeiture
35			Cooney Bros. Coal Co.	Cambria	Cancelled
36	17000105	2/15/2001	Hilltop Coal Co.	Moshannon	Reclamation Completed
37	32010105	9/4/2003	Amerikohl Mining Co.	Cambria	Reclamation Continues
38	56000103	11/6/2000	Hoffman Mining Inc.	Cambria	Reclamation Completed
39	56000105	3/8/2001	Hoffman Mining Inc.	Cambria	Reclamation Completed
40	33010101	8/21/2001	Sky Haven Coal Co.	Knox	Reclamation Completed
41	17010110	8/15/2002	River Hill Coal Company	Moshannon	Active
42			Energy Resource Inc.	Knox	Cancelled
43	24010101	10/4/2001	Energy Resource Inc.	Knox	Active
44	11000104	6/8/2001	Hoffman Mining Inc.	Cambria	Reclamation Continues

Total ROAP Inventory

ROAP #	SMP #	SMP ISSD	Operator	District	Status
45	33010103	7/10/2002	Sky Haven Coal Co.	Knox	Reclamation Continues
46	17030102	12/13/2006	River Hill Coal Company	Hawk Run	Reimbursed
47	03010108	PBNM	T D K Coal Sales	Greensburg	Cancelled
48			T D K Coal Sales	Knox	Reimbursed
49	14040103	11/13/2007	River Hill Coal Company	Hawk Run	Reclamation Continues
50	02020102	2/20/2004	Amerikohl Mining Co.	Greensburg	Reclamation Completed
51	14040101	8/30/2007	River Hill Coal Company	Hawk Run	Reimbursed
52	32000101	12/1/2000	Amerikohl Mining Co.	Cambria	Reclamation Completed
53	RSK Mines	Pottsville	Cancelled		Cancelled
54	56030103	8/4/2003	Hoffman Mining Inc.	Cambria	Reclamation Continues
55	56030102	4/8/2004	Mountaineer Mining Corp.	Cambria	Reclamation Completed
56	54030201	8/10/2003	Devil's Hole, Inc.	Pottsville	Active
57	26040102	2/3/2006	Amerikohl Mining Co.	Greensburg	Reclamation Completed
58			Cooney Bros. Coal Co.	Cambria	Cancelled
59	54030103	4/21/2004	Jett Contracting Inc.	Pottsville	Active
60	56040105	10/19/2005	Berwind Coal Sales Co.	Cambria	Reclamation Continues

Appendix D

New Remining Financial Guarantees to Ensure Reclamation Project List for 2013

Year	County	Company	Permit No.	FG Number	Issuance Date	Original Amount
2013	Cameron	ALLEGHENY ENTERPRISES INC	12100101	4820206FG	03/19/2013	\$80,000.00
2013	Centre	JUNIOR COAL CONTR INC	14940101	4820209FG	07/17/2013	\$78,462.00
2013	Clearfield	JUNIOR COAL CONTR INC	17020112	4820210FG	07/17/2013	\$33,110.00
2013	Clearfield	JUNIOR COAL CONTR INC	17070106	4820208FG	07/03/2013	\$30,624.00
2013	Clearfield	RES COAL LLC	17090107	4820-212-FG	12/17/2013	\$170,000.00
2013	Clearfield	RIVER HILL COAL CO INC	17020103	4820211FG	11/14/2013	\$68,003.00
2013	Clearfield	STRISHOCK LLC	17110104	4820205FG	02/11/2013	\$52,812.00
2013	Clearfield	SWISHER CONTR INC	17120103	4820207FG	04/03/2013	\$124,639.00
2013	Clearfield	WAROQUIER COAL CO	17100108	4820204FG	06/14/2013	\$120,000.00
2013	Indiana	ABM MINING CO INC	32120104	4840187FG	01/02/2013	\$79,911.00
2013	Indiana	BETH CONTR INC	32120103	4840190FG	06/12/2013	\$94,548.00
2013	Indiana	BRITT ENERGIES INC	32120105	4840188FG	01/22/2013	\$73,684.00
2013	Indiana	P & N COAL CO INC	32120106	4840191FG	07/15/2013	\$170,000.00
2013	Jefferson	ORIGINAL FUELS INC	33120102	4860119FG	02/11/2013	\$120,000.00
2013	Jefferson	P & N COAL CO INC	33120101	4860120FG	09/24/2013	\$30,000.00
2013	Schuylkill	LONE EAGLE COAL CO INC	54850107	4810114FG	12/05/2013	\$49,231.00
2013	Schuylkill	MICHAEL COAL CO	54120201	4810111FG	08/20/2013	\$64,777.00
2013	Schuylkill	MICHAEL COAL CO	54120201	4810112FG	08/20/2013	\$18,537.00
2013	Somerset	MARQUISE MINING CORP	56120104	4840189FG	05/08/2013	\$66,308.00
2013	Westmoreland	COAL LOADERS INC	65090102	483087FG	10/03/2013	\$116,618.00

Appendix E
Reclamation Bond Credit Project List
Years 1997 – 2013

County	Fiscal Year	Company Name	Original Issuance Date	Remine Acres Agreed to Reclaim	Value of Bond Credit	AML Acres Reclaimed	Value of Reclamation
Armstrong	1998	Amerikohl Mining, Inc.	7/16/1998	7.3	\$41,747	7.3	\$43,800
Clarion	1998	MSM Coal Company Inc	10/22/1999	3.9	\$20,645	3.9	\$23,400
Clearfield	1999	Larson Enterprises, Inc.	10/20/1999	19.4	\$43,150	19.4	\$82,500
Northumberland	1999	Blaschak Coal	10/13/2000	2.6	\$28,832	3	\$28,832
Columbia	2001	Blaschak Coal	10/4/2001	1.8	\$34,466	1.8	\$38,739
Clearfield	2006	Res Coal	07/2006	14.7	\$335,968	14.7	\$335,968
Schuylkill	2013	BET Associates IV, LLC	8/21/2013	50.6	\$562,305		
		Totals		100.3	\$1,067,113	50.1	\$553,239

For more information, visit www.dep.state.pa.us, keyword: Remining Incentives Report.