

ABS Bond Forfeitures in the Pottsville District

MRAB January 7, 2010

ABS Forfeitures

Pottsville District

- American Silt Processing SMP#35850201 –
To be reclaimed as part of a BAMR project
- J&W Coal Co. SMP# 54830110
- Laurel Run Corp SMP# 40920201
- Rosini Coal Co. SMP# 49860201 – Repermitted by
Rosini, Inc.
- Shamrock Coal Co. SMP# 54813225
- Sunray Coal Co. SMP# 54813040 – Possible
repermitting by Keystone Anthracite
- Tamaqua Anthracite SMP# 54850203
- Twin Creek Coal Co. SMP# 49851605 – Act 181

Completed Forfeitures

- Elizabethville North(AD Coal Co) - done by BAMR, Dauphin County
- Loomis Development Co., Lackawanna County - completed by landowner
- Laurel Run Corp., Luzerne County Completed by surety company
- Anthraco Ltd., Schuylkill County Obligation assumed by adjacent permittee

ABS Forfeitures

- Encourage Repermitting
- Surety Reclamation
- Reclaim under as part of a BAMR project
- Sole Source Grant
- Act 181 Landowner Reclamation
- BAMR AD Crew

Shamrock Coal Co. SMP# 54813225

Schuylkill County

- Refuse Reprocessing
- Phase 1 – Sole Source to Schuylkill Headwaters Association.
- stabilize and reclaim pond
- Phase 2 – possible remining – area would require minor regrading, drainage controls, and revegetation
- To be completed Spring 2010

Shamrock Coal Pond



Pond washout to Schuylkill River



Tamaqua Anthracite SMP# 54850203

Schuylkill Township, Schuylkill County

- Refuse Reprocessing Permit
- Sole Source to Schuylkill Headwaters Association
- Minor regrading and erosion controls
- Needs Revegetation
- To be completed Spring 2010

Tamaqua Anthracite (Bell Colliery)



Challenges to Reclamation

- Access – bridges washed-out, area bound by interstate, potential landowner issues
- Potential for re-mining, however area is within an SMP boundary and exploration waiver is not permissible
- Reclamation may impede future mining prospects

J&W Coal Co. SMP# 54830110

Schuylkill Township, Schuylkill County

- Surface Mine
- 1,400 feet of Highwall + 2 pits
- Within the boundary of an active SMP
- Landowner is different than permittee
- Topography and AML features make reclamation difficult



Highwall



J&W Coal Co



J&W Coal Co



Pits →



J&W Coal Co. Options

- Remining under a new SMP
- Reclaim as refuse disposal on current SMP
- Tie into a BAMR project with adjacent AML features
- Act 181

Laurel Run Corp, SMP# 40920101

Wilkes-Barre Twp, Luzerne County

- Surface Mine
- Reclamation of highwall is required
- Access is a major issue (bridges are washed out on haulroad and the area is bound by interstate)
- Landowner is cooperative

Laurel Run Corp

I-81

Rec features

Bridges washed out



1 mi.

Laurel Run



Laurel Run Corp SMP# 40920101



ABS Discharges

- 1 Trust fund (Reading Anthracite Trevorton) – fully funded
- 1 Bond (Rausch Creek Land, LP Porter Tunnel) – fully funded
- 1 Potential significant liability - treatment cost are being evaluated (Lehigh Coal & Navigation) – Approximately \$971K in escrow for treatment

Lehigh Coal & Navigation Co.

SMP# 54733020

- Only operation not fully bonded under conventional bonding
- Consent Order and Agreement has reclamation and payment schedule to assure conventionally bonded
- Reclamation and water treatment liability is significant

LCN (Job 99/111)



LCN Job 99/111



LCN (Job 99/111)



LCN (Springdale)



LCN (Route 309 treatment)



LCN (Route 309 treatment)





LCN Route 309

	Lab	Field	Fe	Mn	Al	Alkalinity	Acidity	Susp Solids	SO ₄	TDS	Flow
	<u>pH</u>	<u>pH</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>mg/l</u>	<u>GPM</u>
Raw	6.0	6.1	8.570	6.440	<200	76.8	-49	10	563.4		8,000
Treated	8.0	9.3	0.486	1.914	<500	84.6	-78.8	16	564.2	622	8,000
Effluent Limits		6.0 - 9.0	4.500	2.500	2.0	ALK > Acidity		90			

- Current treatment is with a fine grade pebble lime, with a 3.5 acre pond.
- Mn is the primary contaminant that is difficult to treat for
- Reagent cost and sludge removal/disposal is costly
- Pond upgrades have been made up thru Oct. 2009 improve compliance
- Pond discharges to the Little Schuylkill River in Tamaqua