

**COMMONWEALTH of  
PENNSYLVANIA**

ROBERT P. CASEY, Governor

**DEPARTMENT OF  
ENVIRONMENTAL  
RESOURCES**

ARTHUR A. DAVIS  
Secretary



**BOND  
ISSUE  
REPORT**

**FOR PERIOD ENDING**

**JANUARY 1990**

Prepared by  
**OFFICE OF RESOURCES MANAGEMENT**

**SUPPORT OPERATION  
SCARLIFT**

DEPARTMENT OF ENVIRONMENTAL RESOURCES  
OFFICE OF RESOURCES MANAGEMENT  
EVANGELICAL PRESS BUILDING  
THIRD AND REILY STREETS  
P.O. BOX 1467  
HARRISBURG, PENNSYLVANIA 17105-1467  
TELEPHONE: (717) 787-1731

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## AUTHORITY

An amendment to Article IX of the Constitution of Pennsylvania was adopted by the people of the Commonwealth of Pennsylvania on May 16, 1967, which, in brief, authorized the Commonwealth to create a debt and issue bonds in the amount of \$500,000,000 for a Land and Water Conservation and Reclamation Fund.

Subsequently, the General Assembly of the Commonwealth of Pennsylvania enacted Act No. 443 approved on January 19, 1968, and later amended by Act 57 of March 5, 1970, which appropriated the sum of \$200,000,000 to the Department of Mines and Mineral Industries\* for the elimination of land and water scars created by past coal mining practices. Of this amount, separate allocations were earmarked and later amended by Act 193 of July 12, 1972, and further amended by Act 103 of June 24, 1976, Act 158 of October 10, 1980, and Act 322 of December 17, 1982 for specific types of projects to be conducted by the Department as follows:

- (a) The sum of \$120,000,000 for the prevention, control and elimination of stream pollution from mine drainage which may include the restoration of abandoned strip mine areas.
- (b) The sum of \$20,000,000 for the prevention, control and elimination of air pollution from abandoned burning coal refuse banks provided such land and bank material is publicly owned.
- (c) The sum of \$60,000,000 for the prevention of surface subsidence above abandoned mine operations, for the control and extinguishment of surface and underground fires from abandoned mines and for administration expenses attendant thereto.

\*Department of Environmental Resources  
Effective January 19, 1971

## STATUS OF BOND ISSUE PROJECTS

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
<b><i>STREAM POLLUTION ABATEMENT</i></b>				
AWSP 16:1* Farmington Township Clarion County	Completed - See Page 125		\$	
AWSP 16:2* Farmington Township Clarion County	Completed - See Page 125			
BM 113 Slippery Rock and Little Scrubgrass Butler and Venango Counties	Completed - See Page 125			
BM 114 Slipery Rock and Little Scrubgrass Butler and Venango Counties	Completed - See Page 125			
BM 115 Hollywood and Swamp Creek Elk and Clearfield Counties	Completed - See Page 125			
BM 116 Swamp Creek Elk County	Completed - See Page 125			
BM 117 Hawk Run Clearfield County	Completed - See Page 125			
EER-130-A* Crowley Hollow Run Watershed Clinton County	Completed - See Page 125			
EER-130-B* Crowley Hollow Run Watershed Clinton County	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100 Statewide	Completed - See Page 125			
SL 100-1 Statewide	Completed - See Page 126			
SL 100-2 Statewide	Completed - See Page 126			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 100-2-7* Statewide	Completed - See Page 126	\$		
SL 100-2-8 Statewide	Completed - See Page 126			
SL 100-3 Statewide	Completed - See Page 126			
SL 100-3-77 Statewide	Completed - See Page 126			
SL 100-3-78 Statewide	Cancelled			
SL 100-4 Statewide	Completed - See Page 126			
SL 100-4-77 Statewide	Completed - See Page 126			
SL 100-5-81 Statewide6	Completed - See Page 126			
SL 100-5-82	Completed - See Page 126			
SL 100-5A-75 Statewide	Completed - See Page 126			
SL 100-6 Statewide	Cancelled			
SL 100-7 Statewide	Completed - See Page 126			
SL 100-8-76 Statewide	Completed - See Page 126			
SL 100-8-77 Statewide	Completed - See Page 126			
SL 100-8-78A Statewide	Completed - See Page 126			
SL100-8-84 Statewide	Completed - See Page 126			
SL 100-9-101.2 Statewide	Cancelled			
SL 100-10-101.2 Statewide	Cancelled			
SL 101 Statewide	Completed - See Page 126			
SL 102 (Survey) Chartiers Creek Washington and Allegheny Counties	Completed - See Page 126			
SL 102-1 Fishing Run Chartiers Creek Allegheny County	Completed - See Page 126			
SL 102-1-1 Fishing Run Chartiers Creek Allegheny County	Completed - See Page 127			
SL 102-2 Robinson and Thoms Run Chartiers Creek Allegheny and Washington Counties	Completed - See Page 127			

\*\$29,800.00 from Johnstown Flood Fund (01-92-77-3)

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 102-2-1 N. Branch Robinson Run Chartiers Creek Allegheny and Washington Counties	Completed - See Page 127		\$	
SL 102-2-2 Chartiers Creek Watershed Allegheny County	Completed - See Page 127			
SL 102-3 Chartiers Creek Allegheny and Washington Counties	Completed - See Page 127			
SL 102-3-1 Chartiers Creek North Fayette Township Allegheny County	Completed - See Page 127			
SL 102-3-2 Chartiers Creek Robinson Township Washington County	Completed - See Page 127			
SL 102-3-3 Chartiers Creek North Fayette Twp. Allegheny County	Completed - See Page 127			
SL 102-3-3A Chartiers Creek Allegheny County	Cancelled			
SL 102-3-4 Millers and Campbells Run, Chartiers Creek Allegheny County	Completed - See Page 127			
SL 102-3-4.11 Chartiers Creek Allegheny County	Cancelled			
SL 102-3-4.19 Chartiers Creek Allegheny County	Cancelled			
SL 102-3-6 Chartiers Creek Robinson Township Allegheny County	Completed - See Page 127			
SL 102-4 N. Strabane Township Washington County	Completed - See Page 127			
SL 102-5 N. Fayette Township Allegheny County	Completed - See Page 127			
SL 102-5-101.1 N. Fayette Township Allegheny County	Settlers Cabin Regional Park Reclamation			Cancelled
SL 102-6 Chartiers Creek Watershed Washington and Allegheny Counties	Cancelled			
SL 102-7 Chartiers Creek Watershed Washington and Allegheny Counties	Completed - See Page 127			
SL 102-7-12 Chartiers Creek Watershed Allegheny County	Construction of Abatement Facilities Project Area 12			Suspended
SL 102-7-14 Chartiers Creek Watershed Allegheny County	Completed - See Page 127			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 102-7-15 Chartiers Creek Watershed Allegheny County	Completed - See Page 127		\$	
SL 102-7-16 Chartiers Creek Watershed Allegheny County	Completed - See Page 128			
SL 102-7-18 Chartiers Creek Allegheny County	Construction of Abatement Facilities - Project Area 18			Suspended
SL 102-7-20 Chartiers Creek Allegheny County	Completed - See Page 128			
SL 102-7-21 Chartiers Creek Watershed Allegheny County	Completed - See Page 128			
SL 103 Youghioghney Watershed Allegheny, Somerset, Fayette and Westmoreland Counties	Completed - See Page 128			
SL 103-2 Youghioghney Watershed Allegheny, Somerset, Fayette and Westmoreland Counties	Completed - See Page 128			
SL 103-2-101.5 Indian Creek and Casselman River Watersheds Fayette & Somerset Counties	Cancelled			
SL 103-3 Youghioghney Watershed Allegheny, Somerset, Fayette & Westmoreland Counties	Number reserved for construction			
SL 103-4 Latrobe Syncline Youghioghney Watershed Westmoreland County	Completed - See Page 128			
SL 103-4A Southern Latrobe Syncline Westmoreland County	Completed - See Page 128			
SL 103-4A-101.5 Southern Latrobe Syncline Westmoreland County	Completed - See Page 128			
SL 103-5 Irwin Syncline Basin Youghioghney, Turtle Creek and Thorn Reed Watersheds Westmoreland County	Completed - See Page 128			
SL 103-5-1 Thorn Run Watershed Irwin Syncline Basin Westmoreland County	Design for Reclamation Project Areas 1C and 3	Department of Environmental Resources		
SL 103-5-101.1 Thorn Run Watershed Salem Township Westmoreland County	Completed - See Page 128			
SL 103-5-101.5 Irwin Syncline Basin Youghioghney and Turtle Creek Watersheds Westmoreland County	Completed - See Page 128			
SL 103-5-101.9 Thorn Run Watershed Westmoreland County	Completed - See Page 128			
SL 103-5-2 Thorn Run Westmoreland County	Completed - See Page 128			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 103-5-3 Long Run Watershed Irwin Syncline Allegheny and Westmoreland Counties	Stream Channelization	Department of Environmental Resources	\$	Project being constructed under SL103-5-3-101.1
SL 103-5-3-101.1 Irwin Syncline Westmoreland County	Completed - See Page 128			
SL 103-5-3-101.2 Long Run Watershed Irwin Syncline Allegheny and Westmoreland Counties	Completed - See Page 128			
SL 103-5-4 Turtle Creek Watershed Irwin Syncline Westmoreland County	Completed - See Page 128			
SL 103-5-5 Turtle Creek Watershed Irwin Syncline Westmoreland County	Completed - See Page 129			
SL 103-6 Dunbar Creek Dunbar Township Fayette County	Completed - See Page 129			
SL 103-6-101.5 Dunbar Creek Dunbar Township Fayette County	Completed - See Page 129			
SL 103-7-101.1 Dunbar Creek Dunbar Township Fayette County	Completed - See Page 129			
SL 103-8 Mathews Strip Mine Dunbar Creek Watershed Dunbar Township Fayette County	Completed - See Page 129			
SL 103-9-101.5 Mashudda Strip Mine Dunbar Creek Watershed Fayette County	Completed - See Page 129			
SL 103-9-101.6 Mashadda Strip Mine Dunbar Creek Watershed Fayette County	Completed - See Page 129			
SL 103-10-101.6 Glade Run Fayette County	Completed - See Page 129			
SL 104 Slippery Rock Creek Butler County	Completed - See Page 129			
SL 104-1 Slippery Rock Creek Butler County	Completed - See Page 129			
SL 104-2 Slippery Rock Creek Butler County	Completed - See Page 129			
SL 104-3 Slippery Rock Creek Butler County	Completed - See Page 129			
SL 104-3 Manor Township Butler County	Completed - See page 129			
SL 104-3-77 Little Scrubgrass and Slippery Rock Creek Butler and Venango Counties	Completed - See Page 129			



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 104-3-78 Slippery Rock, Little Scrubgrass and Wildwood Acid Mine Drainage Plants Allegheny, Butler and Venango Counties	Completed - See Page 129		\$	
SL 104-3-80 Slippery Rock, Little Scrubgrass, Wildwood, Hollywood and Swamp Creek Acid Mine Drainage Plants. Allegheny, Butler, Clearfield, Elk and Venango Counties	Completed - See Page 129			
SL 104-3-82 Slippery Rock, Little Scrubgrass, Wildwood, Hollywood and Swamp Creek Acid Mine Drainage Plants. Allegheny, Butler, Clearfield, Elk and Venango Counties.	Completed - See Page 130			Contract not extended
SL 104-4-77 Little Scrubgrass and Slippery Rock Creek Butler and Venango Counties	Completed - See Page 130			
SL 104-4-78 Slippery Rock, Little Scrubgrass and Wildwood Acid Mine Drainage Plants Allegheny, Butler and Venango Counties	Completed - See Page 130			
SL 104-4-80 Slippery Rock, Little Scrubgrass, Wildwood and Swamp Creek Acid Mine Drainage Plants, Allegheny, Butler, Elk and Venango Counties.	Completed - See Page 130			
SL 104-4-81 Slippery Rock, Little Scrubgrass, Swamp Creek, Wildwood AMD Plants and Miscellaneous Mechanical Installations in the Bituminous Region	Completed - See Page 130			
SL 105 Moraine State Park Butler County	Completed - See Page 130			
SL 105-1 Moraine State Park Butler County	Completed - See Page 130			
SL 105-1 Moraine State Park Butler County	Completed - See Page 130			
SL 105-1 Moraine State Park Butler County	Completed - See Page 130			
SL 105-1 Moraine State Park Butler County	Completed - See Page 130			
SL 105-1A Moraine State Park Eastern Area - 8.7 Acres Butler County	Completed - See Page 130			
SL 105-1B Moraine State Park Southwest Area 1 Butler County	Completed - See Page 130			
SL 105-2 Moraine State park Butler County	Completed - See Page 130			
SL 105-2 Moraine State Park Butler County	Completed - See Page 130			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 105-3 Moraine State Park Butler County	Completed - See Page 130		\$	
SL 105-3 Moraine State Park Butler County	Completed - See Page 130			
SL 105-4-101.1 Brady Township Butler County	Completed - See Page 131			
SL 105-4-101.5 Muddy Creek Watershed Butler County	Completed - See Page 131			
SL 105-5-101.1 Moraine State Park Butler County				
SL 106-1 Sandy Run Luzerne County	Completed - See Page 131			
SL 106-1/2-101.1 Sandy Run Luzerne County	Plant Modifications Sandy Run and Bush Mountain Treatment Plants	Department of Environmental Resources		In-House Study
SL 106-2 Buck Mountain Carbon County	Completed - See Page 131			
SL 106-3 Swamp Creek Elk County	Completed - See Page 131			
SL 106-3A Swamp Creek Elk County	Completed - See Page 131			
SL 106-3-1 Swamp Creek Elk County	Completed - See Page 131			
SL 106-3-77 Swamp Creek Elk County	Completed - See Page 131			
SL 106-3A-77 Swamp Creek Elk County	Completed - See Page 131			
SL 106-3-78 Swamp Creek Elk County	Completed - See Page 131			
SL 106-3A-78 Swamp Creek Elk County	Completed - See Page 131			
SL 106-4 Nesquehoning Creek Carbon County	Number Reserved			
SL 106-21 Sandy Run Luzerne County Buck Mountain Carbon County	Electrical Installation of Automatic Feeders			Changed to Project No. AM 102-75. Paid from General Fund.
SL 107 Crooked Creek Watershed Armstrong and Indiana Counties	Number Reserved			
SL 107-1 Ernest Complex Indiana County	Completed - See Page 131			
SL 107-1A Ernest Complex Indiana County	Completed - See Page 131			
SL 107-1-1 Ernest Complex Indiana County	Completed - See Page 131			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 107-2 Ernest Complex Indiana County	Completed - See Page 131		\$	
SL 107-3 Ernest Complex Indiana County	Completed - See Page 131			
SL 107-4 Ernest Complex Indiana County	Completed - See Page 131			
SL 107-4-1 Ernest Complex Indiana County	Treatment Plant Water Supply Agreement			Well drilled under SL 107-4-2 being evaluated.
SL 107-4-2 Ernest Complex Indiana County	Completed - See Page 131			
SL 107-4-3-101.1 Ernest Complex Indiana County	Completed - See Page 131			Aeration: Equipment and materials being purchased by Department.
SL 107-5-1 Ernest Complex Indiana County	Cancelled			
SL 107-5-2 Ernest Complex Indiana County	Cancelled			
SL 107-5-3 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SL 107-5-3.13-78 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SL 107-5-3.13-80 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SL 107-5-3.14-78 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SL 107-5-3.14-80 Ernest Treatment Plant Indiana and Clearfield Counties	Completed - See Page 132			
SL 107-5-3.15-80 Ernest Treatment Plant Indiana County	Sludge Removal			All bids rejected
SL 107-5-3.16-80 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SI 107-5-4 Ernest Treatment Plant Indiana County	Completed - See Page 132			
SL 107-5-5-101.1 Ernest Complex Indiana County	Completed - See Page 132			
SL 107-5-6-101.5 Ernest Complex Indiana County	Completed - See Page 132			
SL 107-5-6-102.5 Ernest Complex Indiana County	Exploratory Drilling			Cancelled
SL 107-6 Crooked Creek Indiana County	Completed - See Page 132			
SL 107-6-1 Crooked Creek Indiana County	Completed - See Page 132			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 107-7 Keystone Lake Plum Creek Watershed Armstrong County	Completed - See Page 132		\$	
SL 107-7-101.5 Plum Creek Watershed Armstrong County	Completed - See Page 132			
SL 107-8 Ernest Refuse Pile Crooked Creek Watershed Indiana County	Reclamation of Refuse Pile			Project being done under OSM 32(2980) 101.1
SL 107-8-101.1 Ernest Refuse Pile Crooked Creek Watershed Indiana County		In-House	900,000.00	Work was done under OSM 32(2980)
SL 107-8-102.1 Ernest Refuse Pile Crooked Creek Watershed Indiana County	Completed - See Page 132			
SL 107-9-101.6 Crooked Creek Watershed Armstrong County	Completed - See Page 132			
SL 108 E. Branch Clarion River Elk County	Completed - See Page 132			
SL 108-1 E. Branch Clarion River Swamp Creek Sub-basin Elk County	Completed - See Page 132			
SL 108-2 E. Branch Clarion River Elk County	Completed - See Page 132			
SL 108-2-101.1 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-2-101.1R E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-2-102.1 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-2-103.1 Jones Township Elk County	Completed - See Page 133			
SL 108-2-104.1 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-3 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-3-1 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-3-2 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-4 E. Branch Clarion River Elk County	Completed - See Page 133			
SL 108-4-101.1 Johnson Run E. Branch Clarion River Elk County	Completed - See Page 133			
SL 109 Two Lick Creek Indiana County	Completed - See Page 133			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 109-1 Buck Run Watershed Cherry Hill Township Indiana County	Completed - See Page 133		\$	
SL 109-1 (DER Buck Run Watershed Cherry Hill Township Indiana County	Cancelled			
SL 109-1A Two Lick Creek Indiana County	Cancelled			
SL 109-1B Two Lick Creek Indiana County	Completed - See Page 133			
SL 109-1B-101.1J* Two Lick Creek Indiana County	Completed - See Page 133			
SL 109-1C Two Lick Creek Watershed Indiana County	Completed - See Page 133			
SL 109-1C-101.1J** Two Lick Creek Watershed Indiana County	Completed - See Page 133			
SL 109-2 Clymer Borough Indiana County	Completed - See Page 133			
SL 109-3 Two Lick Creek Indiana County	Completed - See Page 133			
SL 109-3-1 Two Lick Creek Indiana County	Cancelled			
SL 109-3-101.5 Two Lick Creek Indiana County	Subsurface Exploration			Rebid as SL 109-3-201.5
SL 109-3-2 Two Lick Creek Indiana County	Cancelled			
SL 109-3-201.5 Two Lick Creek Indiana County	Completed - See Page 133			
SL 109-3-3 Two Lick Creek Indiana County	Refuse Burial			Rebid as SL 109-3-3A
SL 109-3-3A Upper Two-Lick Creek Indiana County	Completed - See Page 134			
SL 109-3-3AR-2 Upper Two Lick Creek Indiana County	Completed - See Page 134			
SL 109-3AR-2X Clymer Bank Cherryhill Township Indiana County	Completed - See Page 134			
SL 109-3-3B Cherry Hill Township Indiana County	Cancelled			
SL 110 Slippery Rock Creek Watershed Butler, Mercer, Lawrence and Venango Counties	Completed - See Page 134			

\* \$86,452.00 from SR #PA68-710 Item #ZS-3 (01-35-25-78-8-540-92500)

\*\* Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 110-1 Slippery Rock Creek Butler County	Completed - See Page 134		\$	
SL 110-1A Slippery Rock Creek Butler County	Cancelled			
SL 110-1BD Slippery Rock Creek Butler County	Completed - See Page 134			
SL 110-1C Slippery Rock Creek Brady Township Butler County	Completed - See Page 134			
SL 110-1-101.1 Slippery Rock Creek Brady Township Butler County	Completed - See Page 134			
SL 110-2 Slippery Rock Creek Drainage Basin Butler County	Completed - See Page 134			
SL 110-2A Slippery Rock Creek Drainage Basin Butler County	Completed - See Page 134			
SL 110-3 Seaton Creek Watershed Butler County	Completed - See Page 134			
SL 110-3-1 Seaton Creek Watershed Venango Township Butler County	Completed - See Page 134			
SL 110-3-101.5 Seaton Creek Watershed Venango Township Butler County	Completed - See Page 134			
SL 110-3-102.1 Venango Township Butler County	Completed - See Page 134			
SL 110-3-102.7-78 Venango Township Butler County	Completed - See Page 134			
SL 110-3-103.1 Dorenkamp Property Venango Township Butler County	Completed - See Page 134			
SL 110-3-2 Seaton Creek Watershed Butler County	Cancelled			
SL 110-3-3 Seaton Creek Watershed Butler County	Cancelled			
SL 110-3-4 Seaton Creek Watershed Butler County	Completed - See Page 134			
SL 110-3-5A Seaton Creek Watershed Butler County	Completed - See Page 135			
SL 110-3-6 Seaton Creek Watershed Butler County	Cancelled			
SL 110-4 Slippery Rock Creek Watershed Butler and Mercer Counties	Completed - See Page 135			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 110-4 (DER) Slippery Rock Creek Watershed Butler and Mercer Counties	Remedial Work McCurdy Property	Department of Environmental Resources	\$	Project terminated
SL 110-4-101.1 Slippery Rock Creek Watershed Butler and Mercer Counties	Completed - See Page 135			
SL 110-4-101.1A Slippery Rock Creek Watershed Butler and Mercer Counties	Cancelled			
SL 110-4-102.1 Slippery Rock Creek Watershed Butler County	Completed - See Page 135			
SL 110-4-103.1 Slippery Rock Creek Watershed Butler County	Suspended			
SL 110-4-104.1 Slippery Rock Creek Watershed Butler County	Cancelled			
SL 110-4-105.1 Slippery Rock Creek Watershed Butler County	Completed - See Page 135			
SL 110-4-106.1 Highland Fuel Area Wolf Creek Township Mercer County	Cancelled Reassigned SL 489-101.1			
SL 110-4-107.1 Highland Fuel Area Wolf Creek Township Mercer County	Cancelled			
SL 110-5 Slippery Rock Creek Watershed Butler and Venango Counties	Completed - See Page 135			
SL 110-5-1 Slippery Rock Creek Watershed Venango County	Cancelled			
SL 110-5-2 Slippery Rock Creek Watershed Butler County	Completed - See Page 135			
SL 110-5-2R Slippery Rock Creek Watershed Butler County	Completed - See Page 135			
SL 110-5-3 Slippery Rock creek Watershed Butler County	Completed - See Page 135			
SL 110-6 Slippery Rock Township Butler County	Completed - See Page 135			
SL 110-6-1 Slippery Rock Butler County	Completed - See Page 135			
SL 110-7 Slippery Rock Creek Watershed, Washington Twp. Butler County	Completed - See Page 135			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 110-7-101.5 Slippery Rock Creek Washington Township Butler County	Completed - See Page 135		\$	
SL 111 Beech Creek Watershed Centre County	Completed - See page 135			
SL 111A Beech Creek Watershed Centre County	Completed - See Page 135			
SL 111-1 Beech Creek Watershed Centre County	Completed - See Page 135			
SL 111-1A Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-2 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-2-101.1 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-2-102.1 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-2-102.1F* Beech Creek Watershed Centre County	Terminated - See Page 136			
SL 111-2-103.1 Beech Creek Watershed Centre County	Cancelled			
SL 111-3 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-3-101.1 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-3-202.1F* Beech Creek Watershed Centre County	Completed - see Page 136			
SL 111-4 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-4-101.1 Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-4-102.1R Beech Creek Watershed Centre County	Completed - See Page 136			
SL 111-5-101.1 Beech Creek Big Run Clinton County	Construction: Mine Drainage Pollution Abatement			Suspended
SL 112 Rausch Creek Schuylkill County	Completed - See Page 136			
SL 112-1 Rausch Creek Schuylkill County	Completed - See Page 136			
SL 112-2 Rausch Creek Schuylkill County	Completed - See Page 136			

\*Paid from Eloise Flood Funds



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 112-3 Rausch Creek Schuylkill County	Completed - See Page 136		\$	
SL 112-4 Rausch Creek East Branch Schuylkill County	Completed - See Page 137			
SL 112-5 Rausch Creek Watershed Schuylkill County	Cancelled			
SL 112-6 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-7 Rausch Creek Treatment Plant Schuylkill County	Installation of two Delumpers			Project terminated
SL 112-8* Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-9 (AM 103) Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-9-76 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-9-81 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-9-82 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-9-85 Rausch Creek AMD Treatment Plant Hegins Township Schuylkill County	Completed - See Page 137			
SL 112-10 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11F* Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11-77 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11-78 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11A-78 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11B-78 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 112-11C-78 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137		\$	
SL 112-11-79 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11-80 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 137			
SL 112-11-82 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-11-85 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-12F* Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-13F* Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-13-78A Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-14 Rausch Creek Treatment Plant Schuylkill County	Cancelled			
SL 112-15-101.1 Rausch Creek Treatment Plant Schuylkill County	Cancelled			
SL 112-16-101.1 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-16-101.2 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-17 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-18-101.1 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SI 112-19-101.2 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-19-101.11 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 112-19-101.12 Rausch Creek Treatment Plant Schuylkill County	Ventilating	Steve Black, Inc.	\$8,884.00	Defective ventilator dispute with bonding company.
SL 112-19-101.13 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-19-101.14 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-20-101.1 Sandy Run, Luzerne County Buck Mountain, Carbon County Rausch Creek, Schuylkill County	Completed - See Page 138			Bids opened July 1, 1982
SL 112-21-101.1 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-22-101.1 Rausch Creek Treatment Plant Schuylkill County	Completed - See Page 138			
SL 112-23-101.1 Shamokin Creek Northumberland County	Sludge Removal	Joseph Andershonis	74,506.20	Work completed November 9, 1988. Claim filed.
SL 113 Shamokin Creek Northumberland County	Completed - See Page 139			
SL 113-1 Shamokin Creek Northumberland County	Cancelled			
SL 113-2 Shamokin Creek Northumberland County	Completed - See Page 139			
SL 113-2-1 Shamokin Creek Conyngham and Mount Carmel Townships Northumberland County	Completed - See Page 139			
SL 113-2-2 Shamokin Creek Northumberland County	Completed - See Page 139			
SL 113-2-3F* Shamokin Creek Northumberland County	Completed - See Page 139			
SL 113-2-4F* Shamokin Creek Northumberland County	Completed - See Page 139			
SL 113-3 Mount Carmel Area Shamokin Creek Watershed Northumberland County	Completed - See Page 139			
SL 113-3-1 Shamokin Creek Watershed Northumberland County	Completed - See Page 139			
SL 113-4 Locust Creek Shamokin Creek Watershed Northumberland County	Completed - See Page 139			

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 113-4-1 Locust Creek Shamokin Creek Watershed Northumberland County	Cancelled		\$	
SL 113-5 Shamokin Creek Watershed Northumberland County	Completed - See Page 139			
SI 113-5-1* Shamokin Creek Watershed Northumberland County	Completed - See Page 139			
SI 114 Smith Township Washington County	Completed - See Page 139			
SI 114-1 Smith Township Washington County	Completed - See Page 139			
SL 114-2 Smith Township Washington County	Completed - See Page 139			
SL 114-3 Smith Township Washington County	Completed - See Page 139			
SL 115 Kettle Creek Clinton County	Completed - See Page 139			
SI 115-1 Kettle Creek Watershed Clinton County	Cancelled			
SL 115-2 Kettle Creek Watershed Clinton County	Completed - See Page 139			
SL 115-2-101.1 Kettle Creek Watershed Clinton County	Completed - See Page 140			
SL 115-3 Kettle Creek Watershed Clinton County	Design of Deep Strip Mine Reclamation Project	Department of Environmental Resources		
SL 115-3-101.5 Kettle Creek Watershed Clinton County	Completed - See Page 140			
SL 115-3-102.5 Kettle Creek Watershed Clinton County	Completed - See Page 140			
SL 116 Altoona Blair County	Completed - See Page 140			
SL 116-1 Altoona Blair County	Completed - See Page 140			
SL 116-2 Altoona Blair County	Completed - See Page 140			
SI 116-3 Altoona Blair County	Completed - See Page 140			
SL 116-4 Altoona Blair County	Completed - See Page 140			
SL 116-5-101.1 Altoona Blair County	Altoona Acid Mine Drainage Treatment Plant Renovations			

\*Paid From Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 116-5-101.2 Altoona Blair County	Completed - See Page 140		\$	
SL 117 Hawk Run Clearfield County	Completed - See Page 140			
SL 117-1 Hawk Run Clearfield County	Completed - See Page 140			
SL 117-1A Hawk Run Clearfield County	Completed - See Page 140			
SL 117-1B Hawk Run Clearfield County	Completed - See Page 140			
SL 117-2 Hawk Run Clearfield County	Completed - See Page 140			
SL 117-2A Hawk Run Clearfield County	Completed - See Page 140			
SL 117-3 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-4-77 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-4-78 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-5-77 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-5-78 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-6-101.1 Hawk Run Clearfield County	Completed - See Page 141			
SL 117-7-101.1 Hawk Run Clearfield County	Completed - See Page 141			
SL 118 Shaw Complex Somerset County	Completed - See Page 141			
SL 118-1 Shaw Complex Somerset County	Completed - See Page 141			
SI 118-2 Shaw Mine Complex Summit and Elklick Twps. Somerset County	Completed - See Page 141			
SL 118-2A Shaw Mine Complex Somerset County	Completed - See Page 141			
SL 118-2B Shaw Mine Complex Elklick Township Somerset County	Completed - See Page 141			
SL 118-3 Shaw Mine Complex Somerset County	Completed - See Page 141			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 118-3-2 Shaw Mine Complex Ellick Township Somerset County	Completed - See Page 141		\$	
SL 118-4 Shaw Mine Complex Somerset County	Completed - See Page 141			
SL 118-5 Shaw Mine Complex Somerset County	Completed - See Page 141			
SL 118-6 Shaw Mine Complex Somerset County	Completed - See Page 141			
SL 118-6-101.5 Shaw Mine Complex Somerset County	Cancelled			
SL 119 Hollidaysburg Watershed Blair County	Completed - See Page 141			
SL 120 Prince Gallitzin State Park Cambria County	Completed - See Page 142			
SL 121 Trough Creek Huntingdon County	Completed - See Page 142			
SL 121-1* Trough Creek Huntingdon County	Completed - See Page 142			
SL 122 Loyalhanna Creek Westmoreland County	Completed - See Page 142			
SL 122-1 Loyalhanna Watershed St. Vincent Refuse Pile Westmoreland County	Completed - See Page 142			
SL 122-2 Keystone State Park Westmoreland County	Completed - See Page 142			
SL 122-2-1 Keystone State Park Westmoreland County	Completed - See Page 142			
SL 122-3 Keystone State Park Westmoreland County	Completed - See Page 142			
SL 122-3-1 Keystone State Park Westmoreland County	Completed - See Page 142			
SL 122-4 Loyalhanna Watershed Westmoreland County	Completed - See Page 142			
SL 122-4-1 Loyalhanna Watershed Hannestown, Salem Township Westmoreland County	Completed - See Page 142			
SL 122-4-2 Loyalhanna Watershed Hostetter Westmoreland County	Construction of Refuse Pile Reclamation Project			Area under active permit. Active operator may rework refuse pile at no cost to the Commonwealth.

\*Paid from General Fund

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 122-4-3 Loyalhanna Watershed Shieldsburg Salem Township Westmoreland County	Completed - See Page 142		\$	
SL 122-4-4 Loyalhanna Watershed Crabtree Westmoreland County	Construction of Refuse Pile Reclamation Project			Permit application by active operator requested June, 1981
SL 122-5 Loyalhanna Watershed Westmoreland County	Completed - See Page 142			
SL 123 Saw Mill Run Watershed City of Pittsburgh Allegheny County	Completed - See Page 142			
SL 124 (Engineering) Wilkes-Barre Luzerne County	Completed - See Page 142			
SL 124 (Plant) Wilkes-Barre Luzerne County	Completed - See Page 142			
SL 125 Pine Township Lycoming County Kettle Creek Clinton County	Completed - See Page 142			
SL 125-1 Kettle Creek Clinton County	Completed See Page 142			
SL 125-2 Kettle Creek Clinton County	Completed - See Page 143			
SL 126-1 Swatara Creek Watershed Schuylkill County	Completed See Page 143			
SL 126-1-1 Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-1-2 Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-1-4 Swatara Creek Watershed Schuylkill County	Cancelled			
SL 126-1-5* Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2 Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2A Swatara Creek Schuylkill County	Terminated - See Page 143			
SL 126-2-1 Coal Run Frailey Township Schuylkill County	Completed - See Page 143			
SL 126-2-2 Bailey & Gebhard Run Frailey and Reilly Twps. Schuylkill County	Completed - See Page 143			

\*\$1,296.43 from October 1976 Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 126-2-3 Frailey and Reilly Townships Schuylkill County	Stream Diversion		\$	Project included in SL 126-2-7
SL 126-2-5 Swatara Creek Schuylkill County	Cancelled			
SL 126-2-6 Middle Creek Pool and Gebhard Run Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2-7 Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2-7/9F Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2-8 Swatara Creek Watershed Schuylkill County	Completed - See Page 143			
SL 126-2-9 Swatara Creek Watershed Frailey Township Schuylkill County	Completed - See Page 143			
SL 126-2-10-101.1 Swatara Creek Watershed Schuylkill County	Mine Drainage Pollution Abatement, Upper Middle Creek, Granito Property			Cancelled
SL 126-2-10-101.2 Swatara Creek Watershed Schuylkill County	Design	In-House	501,000.00	Design finalized
SL 126-2-11-101.1 Borough of Tremont Schuylkill County	Cancelled			
SL 126-2-11-101.2 Borough of Tremont Schuylkill County	Completed - See Page 143			
SL 126-2-11-102.1 Borough of Tremont Schuylkill County	Middlecreek Channel Restoration			Cancelled because of easement problems
SL 126-3 Swatara Creek Watershed Schuylkill County	Completed See Page 144			
SL 126-3-1 Lorberry Creek Schuylkill County	Design of Treatment Plant			Cancelled
SL 126-3-104.1 Stony Creek and Swatara Creek Watersheds Schuylkill and Lebanon Counties	Acid Mine Drainage Abatement Monitoring Stations			
SL 126-3-104.2 Stony Creek and Swatara Creek Watersheds Schuylkill and Lebanon Counties	Design - Acid Mine Drainage Abatement	Department of Environmental Resources		Cancelled
SL 126-3-2 Lower Rausch Creek Schuylkill County	Design of Treatment Plant			Cancelled
SL 126-3-3 Lorberry Creek and Lower Rausch Creek Schuylkill County	Completed - See Page 144			
SL 127 Hillsdale Indiana County	Completed - See Page 144			



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 127-1 East Run Watershed Grant Township Indiana County	Completed - See Page 144		\$	
SL 128 Mountain Run Clearfield County	Cancelled			
SL 129 Jermyn Borough Lackawanna County	Completed - See Page 144			
SL 130 Burgetts Fork of Raccoon Creek Washington County	Completed - See Page 144			
SL 130-1 Raccoon Creek Smith & Hanover Twps. Washington County	Completed - See Page 144			
SL 130-1-101.1 Raccoon Creek Smith & Hanover Twps. Washington County	Completed - See Page 144			
SL 130-2 Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SI 130-2-1 Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SL 130-2-1.1A Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SL 130-2-1.1B* Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SL 130-2-1.3 Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SL 130-2-1.4 Raccoon Creek Hillman State Park Washington County	Completed - See Page 144			
SL 130-3 Raccoon Creek Watershed Washington County	Completed - See Page 144			
SL 130-3-1 Raccoon Creek Smith Township Washington County	Mine Drainage Pollution Abatement Facilities	Department of Environmental Resources		Redesigned as Project SL 130-3-1A
SL 130-3-1A Raccoon Creek Smith Township Washington County	Completed - See Page 144			
SL 130-4 Raccoon Creek Langeloth Mine Washington County	Completed - See Page 145			
SL 130-4-1 Raccoon Creek Washington County	Number reserved for Plugging Boreholes			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 130-5 Raccoon Creek Watershed Washington County	Completed - See Page 145		\$	
SL 130-6 Raccoon Creek Washington County	Cancelled			
SL 130-7 Raccoon Creek Washington, Allegheny and Beaver Counties	Completed - See Page 145			
SL 130-7-1 Raccoon Creek Washington County	Terminated - See Page 145			
SL 130-7-101.1 Raccoon Creek Washington County	Construction of Abatement Measures for Strip Mine Reclamation			Cancelled
SL 130-7-2 Raccoon Creek Smith Township Washington County	Terminated - See Page 145			
SL 130-7-2-101.5 Raccoon Creek Washington County	Cancelled			
SL 130-7-2-102.5 Raccoon Creek Washington County	Cancelled			
SL 130-7-2-103.5 Raccoon Creek Washington County	Cancelled			
SL 130-8* Raccoon Creek Washington, Allegheny and Beaver Counties	Completed - See Page 145			
SL 130-9 Raccoon Creek Watershed Washington County	Design of Abatement Measures for Langloth Francis Mine Complex	Department of Environmental Resources		Suspended
SL 130-10-101.1 Smith Township Washington County	Completed - See Page 145			
SL 131 Little Scrubgrass Venango County	Completed - See Page 145			
SL 131-1 Little Scrubgrass Venango County	Terminated - See Page 145			
SL 131-2 Little Scrubgrass Venango County	Completed - See Page 145			
SL 131-1-101.1 Little Scrubgrass Venango County	Project suspended			
SL 131-1-102.1 Little Scrubgrass Venango County	Project suspended			
SL 131-103.1 Little Scrubgrass Venango County	Cancelled			
SL 131-3-101.1 Little Scrubgrass and Swamp Creek Venango & Elk Counties	Completed - See Page 145			
SL 132 Little Toby Creek Watershed Elk County	Completed - See Page 145			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 132-1 Little Toby Creek Elk County	Construction Reclamation Project		\$	Bids rejected. Project reevaluated and rebid as SL 132-1A
SL 132-1A Little Toby Creek Fox Township Elk County	Completed - See Page 145			
SL 132-2 Rattlesnake Creek Jefferson County	Completed - See Page 145			
SL 132-2-101.1 Rattlesnake Creek Snyder and Washington Twps. Jefferson County	Completed - See Page 145			
SL 132-2-101.5 Rattlesnake Creek Jefferson County	Completed - See Page 145			
SL 132-2-102.1 Rattlesnake Creek Jefferson County	Completed - See Page 145			
SL 132-2-102.5 Rattlesnake Creek Jefferson County	Completed - See Page 145			
SL 132-2-103.1 Rattlesnake Creek Jefferson County	Completed - See Page 146			
SL 132-5 Toby Creek Elk County	Completed - See Page 146			
SL 132-5-101.1 Toby Creek Fox Township Elk County	Completed - See Page 146			
SL 132-5-101.1R Toby Creek Fox Township Elk County	Completed - See Page 146			
SL 132-5-101.2 Toby Creek Fox Township Elk County	Completed - See Page 146			
SL 132-5-101.5 Toby Creek Watershed Elk County	Completed - See Page 146			
SL 132-5-102.1 Toby Creek Fox Township Elk County	Completed - See Page 146			
SL 132-5-102.2 Toby Creek Fox Township Elk County	Completed - See Page 146			
SL 132-5-102.5 Toby Creek Fox Township Elk County	Subsurface Exploration	Department of Environmental Resources		
SL 132-5-103.1 Toby Creek Fox Township Elk County	Acid Mine Drainage Treatment Plant			Evaluating results of water sampling under SL 132-5-104.2
SL 132-5-104.2 Little Toby Creek Watershed Fox Township Elk County	Completed - See Page 146			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 132-5-105.1 Toby Creek Fox Township Elk County	Acid Mine Drainage Abatement	Department of Environmental Resources	\$	Project cancelled
SL 132-5-105.2 Toby Creek Fox Township Elk County	Design	In-House		Project terminated
SL 132-5-106.2 Little Toby Creek Elk County	Mine Drainage Limestone Treatment Facilities	Geo-Technical Services	142,228.00	
		Amendment	1,600.00	
		Amendment	2,659.00	
SL 132-5-107.2 Little Toby Creek Elk County	Mine Drainage Limestone Treatment Facilities	Geo-Technical Services	121,754.00	Complete design of SL 132-5-106.2
SL 132-6 Mead Run Elk County	Completed - See Page 146			
SL 132-6-101.1 Mead Run Elk County	Acid Mine Drainage	Department of Environmental Resources		Cancelled
SL 132-6-101.2 Mead Run Elk County	Completed - See Page 146			
SL 132-6-102.1 Mead Run Elk County	Acid Mine Drainage Abatement Project - Areas 8 and 9	Department of Environmental Resources	125,000.00	Treatability studies to be reinitiated.
SL 132-7 Toby Creek Elk County	Completed - See Page 146			
SL 132-8-101.1 Kyler Run Fox Township Elk County	Installation of Monitoring Station			Suspended
SL 133 Mill Creek Watershed Clarion County	Completed - See Page 146			
SL 133-1 Mill Creek Watershed Clarion County	Completed - See Page 146			
SL 133-2 Mill Creek Watershed Clarion County	Cancelled			
SL 133-3 Mill Creek Watershed Clarion County	Cancelled			
SL 133-4 Mill Creek Watershed Clarion County	Completed - See Page 146			
SL 133-4-101.1 Mill Creek Watershed Clarion County	Completed - See Page 146			
SL 133-4-101.1A Mill Creek Watershed Clarion County	Strip Mine Reclamation			Cancelled
SL 133-5 Mill Creek Watershed Clarion County	Completed - See Page 146			
SL 134 Rush Township Centre County	Completed - See Page 146			
SL 134-1 Rush Township Centre County	Completed - See Page 147			
SL 134-2 Rush Township Centre County	Completed - See Page 147			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 135 (A) Catawissa Creek Luzerne and Schuylkill Counties (Susquehanna River Basin)	Completed - See Page 147		\$	
SL 135 (B) Beaver and Wetzel Creeks Luzerne and Carbon Counties (Delaware Basin)	Completed - See Page 147			
SL 135-1 Catawissa Creek Hazle Township Luzerne County	Completed - See Page 147			
SL 135-2 Catawissa Creek East Union Township Schuylkill County	Completed - See Page 147			
SL 135-3 Catawissa Creek Schuylkill County	Completed - See Page 147			
SL 135-3.1 Catawissa Creek Schuylkill County	Cancelled			
SL 135-3.1A Catawissa Creek Schuylkill County	Cancelled			
SL 135-3.1B Catawissa Creek Schuylkill County	Cancelled			
SL 135-3-2 Catawissa Creek Schuylkill County	Completed - See Page 147			
SL 135-4 Catawissa Creek Schuylkill County	Completed - See Page 147			
SL 135-5 Catawissa Creek Carbon County	Completed - See Page 147			
SL 135-6 Catawissa Creek Schuylkill County	Completed - See Page 147			
SL 135-6.1 East Union Township Schuylkill County	Completed - See Page 147			
SL 135-7 Catawissa Creek Luzerne and Schuylkill Counties	Clearing of the Oneida No. 1 Drainage Tunnel			Project Terminated
SL 135-8 Wetzel Creek Carbon County	Completed - See Page 147			
SL 135-9 Tomhicken Creek Luzerne and Schuylkill Counties	Completed - See Page 147			
SL 135-9-101.1 Tomhicken Creek Luzerne and Schuylkill Counties	Completed - See Page 147			
SL 135-10 Quakake Water Level Tunnel Carbon County	Completed - See Page 147			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 135-10-101.1 Quakake Water Level Tunnel Carbon County	Completed - See Page 147		\$	
SL 135-10-102.1 Quakake Water Level Tunnel Carbon County	Completed - See Page 147			
SL 135-10-102.8 Quakake Water Level Tunnel Carbon County	Cancelled			
SL 135-11-101.6 Catawissa Creek Schuylkill County	Completed - See Page 148			
SL 136* Tioga River Tioga County	Completed - See Page 148			
SL 136-1 Tioga River Watershed Morris Run Vicinity Tioga County	Completed - See Page 148			
SL 136-2* Coal Creek and Morris Run Ward and Hampton Twps. Tioga County	Completed - See Page 148			
SL 136-3** Ward Township Tioga County	Completed - See Page 148			
SL 136-4** Ward Township Tioga County	Completed - See Page 148			
SL 137 Plymouth Borough Luzerne County	Completed - See Page 148			
SL 138 Cucumber Run Ohiopyle State Park Fayette County	Completed - See Page 148			
SL 138-1 Cucumber Run Fayette County	Completed - See Page 148			
SL 138-2 Cucumber Run Fayette County	Completed - See Page 148			
SL 138-3 Cucumber Run Watershed Ohiopyle State Park Fayette County	Completed - See Page 148			
SL 138-3-101.1 Cucumber Run Watershed Fayette County	Completed - See Page 148			Includes Project SL 138-3-102.1
SL 138-3-101.5 Cucumber Run Watershed Fayette County	Completed - See Page 148			
SL 138-3-102.1 Cucumber Run Watershed Fayette County	Completed - See Page 148			Included in Project SL 138-3-101.1
SL 139 Upper Lackawanna River Lackawanna, Wayne and Susquehanna Counties	Completed - See Page 148			

\* Full Federal Funding  
\*\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 139-1 Lackawanna River Watershed Lackawanna and Luzerne Counties	Completed - See Page 148		\$	
SL 139-1-1 Laurel Run Lackawanna River Watershed Lackawanna County	Construction of Restoration Project			Bids opened and all rejected. Rebid as SL 139-1-1A
SL 139-1-1A Laurel Run Lackawanna River Watershed Lackawanna County	Completed- See Page 149			
SL 139-1-2 Spruce Swamp Run Lackawanna River Watershed Lackawanna County	Cancelled			
SL 139-1-3 Lackawanna River Watershed Luzerne County	Completed - See Page 149			
SL 139-1-4 Lidy Creek Mayfield - Hosey Run Lackawanna River Watershed Lackawanna County	Completed - See Page 149			
SL 139-1-4-101.1R Mayfield - Hosey Run Lackawanna River Watershed Lackawanna County	Rehabilitation of Hosey Run			Bid opened and all bids rejected. Rebid as SL 139-1-4-201.1R
SL 139-1-4-201.1R Mayfield - Hosey Run Lackawanna River Watershed Lackawanna County	Completed - See Page 149			
SL 139-1-5 Alesworth Creek and Reservoir Borough of Archbald Lackawanna County	Completed - See Page 149			
SL 139-1-5-101.1 Alesworth Creek and Reservoir Borough of Archbald Lackawanna County	Construction - Acid Mine Drainage			
SL 139-1-5-101.5 Alesworth Creek and Reservoir Borough of Archbald Lackawanna County	Completed - See Page 149			
SL 139-1-5-201.1 Aylesworth Creek Watershed Lackawanna County	Completed - See Page 149			
SL 139-1-6 Fall Brook City of Carbondale Lackawanna County	Completed - See Page 149			
SL 139-1-6-101.1 Fall Brook Lackawanna River Watershed Lackawanna County	Completed - See Page 149			
SL 139-2 Upper Lackawanna River Lackawanna River Watershed Lackawanna County	Cancelled			
SL 139-3 Fels Township Lackawanna County	Completed - See page 149			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 139-4 Lackawanna River Watershed Clinton Township Wayne County	Completed - See Page 149		\$	
SL 140 Chalfant Run Churchill Borough Allegheny County	Completed - See Page 149			
SL 141 Redstone Creek North Union Township Fayette County	Completed - See Page 149			
SL 141-1 South Union Township Fayette County	Completed - See Page 149			
SL 141-2 Redstone Creek Watershed Uniontown Syncline Fayette County	Completed - See Page 149			
SL 141-2-101.1 Redstone Creek Watershed Jefferson Township Fayette County	Backfill mine opening and realign stream channel		136,400.00	Project suspended
SL 142 Pigeon Creek Carroll Township Washington County	Completed - See Page 150			
SL 142-1 Pigeon Creek, Dunkirk Mine, Carroll Township Washington County	Completed - See Page 150			
SL 142-3 Mon Valley Westmoreland County	Completed - See Page 150			
SL 142-3-101.11 Mon Valley Westmoreland County	Completed - See Page 150			
SL 142-3-101.12 Mon Valley Westmoreland County	Completed - See Page 150			
SL 142-3-101.13 Mon Valley Westmoreland County	Mechanical/Plumbing/Heating Ventilating and Electrical Work Mon Valley Sewage Authority System			Bids rejected. Was rebid as three projects: SL 142-3-101.12, SL 142-3-101.14, and SL 142-3-201.13
SL 142-3-101.14 Mon Valley Westmoreland County	Completed - See Page 150			
SL 142-3-201.13 Mon Valley Westmoreland County	Completed - See Page 150			
SL 143 Alder Run Clearfield County	Completed - See Page 150			
SL 143-1 Alder Run Clearfield County	Completed - See Page 150			
SL 143-2 Alder Run Watershed Clearfield County	Completed - See Page 150			
SL 143-3 Alder Run Watershed Clearfield County	Completed - See Page 150			
SL 143-3A Alder Run Clearfield County	Cancelled			



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 143-3B Alder Run Clearfield County	Cancelled		\$	
SL 143-3C.1 Alder Run Graham and Morris Townships Clearfield County	Completed - See Page 150			
SL 143-4 Alder Run Clearfield County	Completed - See Page 150			
SL 143-5 Alder Run Watershed Clearfield County	Cancelled			
SL 143-6 Alder Run Watershed Clearfield County	Cancelled			
SL 143-7 Alder Run Watershed Clearfield County	Project broken down to SL 143-7A, 7B, and 7C			
SL 143-7A Alder Run Watershed Clearfield County	Completed - See Page 150			
SL 143-7B Alder Run Watershed Clearfield County	Completed - See Page 150			
SL 143-7C Alder Run Watershed Clearfield County	Construction of Reclamation Project			Project suspended
SL 143-8 Alder Run Watershed Clearfield County	Completed - See Page 150			
SL 143-9 Alder Run Watershed Clearfield County	Cancelled			
SL 144 State Game Land #108 and #184 Cambria County	Completed - See Page 150			
SL 144-1-101.1 State Game Land #108 and #184 Cambria County	Cancelled			
SL 144-1-102.1 State Game Land #108 and #184 Cambria County	Cancelled			
SL 145 Babb Creek Bear Run Mine Complex Bloss Township Tioga County	Completed - See Page 151			
SL 145-1 Babb Creek Watershed Bloss Township Tioga County	Completed - See Page 151			
SL 146 Turtle Creek Westmoreland County	Completed - See Page 151			
SL 146-1 White Valley Turtle Creek Westmoreland County	Completed - See Page 151			
SL 146-1-101.1 Turtle Creek Westmoreland County	Cancelled			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 146-2 Turtle Creek Valley North Braddock Twp. Allegheny County	Completed - See Page 151		\$	
SL 146-3 Turtle Creek Westmoreland County	Number Reserved			
SL 146-4 Turtle Creek N. Huntington Township Coal Run Westmoreland County	Completed - See Page 151			
SL 147 Big Scrubgrass Creek Watershed Venango County	Completed - See page 151			
SL 147-1 Big Scrubgrass Creek Watershed Venango County	Completed - See Page 151			
SL 147-1-101.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 147-1-102.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 147-1-103.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 147-1-104.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 147-1-104.5 Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 147-1-203-1R Big Scrubgrass Creek Watershed Clinton Township Venango County	Completed - See Page 151			
SL 148 Clear Shade Creek Ogle Township Somerset County	Cancelled			
SL 149 Yellow Creek Park Indiana County	Completed - See Page 151			
SL 149-1 Yellow Creek Park Brush Valley Township Indiana County	Completed - See Page 151			
SL 150 Wilkes-Barre City Parsons Section Luzerne County	Completed - See Page 152			
SL 151 Bens Creek South Fork Somerset County	Completed - See Page 152			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 151-1 Conemaugh Township Somerset County	Completed - See Page 152		\$	
SL 151-1A Conemaugh Township Somerset County	Completed - See Page 152			
SL 151-1B Conemaugh Township Somerset County	Completed - See Page 152			
SL 152 Peters Creek Allegheny County	Cancelled			
SL 153 Borough of Bellwood Blair County	Completed - See Page 152			
SL 153-1-101.1 Borough of Bellwood Blair County	Acid Mine Drainage - Bellwood Strip Mine			Project suspended
SL 153-1-101.2 Borough of Bellwood Blair County	Design - Acid Mine Drainage Bellwood strip Mine	Department of Environmental Resources		Project suspended
SL 153-1-101.5 Borough of Bellwood Blair County	Completed - See Page 152			
SL 153-1-102.5 Borough of Bellwood Blair County	Completed - See Page 152			
SL 153-102.1J Borough of Bellwood Blair County	Cancelled			
SL 154 Chest Creek Watershed Cambria County	Completed - See Page 152			
SL 154-1 Chest Creek Watershed Cambria County	Quick Start Project Aeration Facilities Patton Borehole	Department of Environmental Resources		Suspended
SL 154-3 Chest Creek Watershed Cambria County	Completed - See Page 152			
SL 155 Muddy Run Watershed Clearfield County	Completed - See page 152			
SL 155-1 Reade Township Cambria County	Completed - See Page 152			
SL 155-1-102.1J* Reade Township Cambria County				
SL 155-2 Muddy Run Watershed Clearfield County	Completed - See Page 152			
SL 155-3 Muddy Run Watershed Clearfield and Cambria Counties	Completed - See Page 152			
SL 155-4 Muddy Run Watershed Clearfield County	Completed - See Page 152			
SL 155-5 Muddy Run Watershed Clearfield County	Deep Mine Sealing			Project suspended

\*Paid from Johnstown Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 155-6 Muddy Run Watershed Clearfield County	Cancelled		\$	
SL 155-7 Muddy Run Watershed Clearfield County	Cancelled			
SL 155-8 Muddy Run Watershed Clearfield County	Deep Mine Sealing			Project suspended
SL 155-9 Muddy Run Watershed Clearfield County	Terminated - See Page 152			
SL 155-9-1 Muddy Run Watershed Clearfield County	Cancelled			
SL 155-10-101.5 Janesville Dam Gulich Township Clearfield County	Completed - See Page 152			
SL 156 Plymouth Duffy Run Creek Channel Luzerne County	Completed - See Page 152			
SL 157 Piersons Run Allegheny County	Completed - See Page 152			
SL 158 Yellow Creek Watershed Butler County	Completed - See Page 153			
SL 158-1 Harmony Borough Butler County	Cancelled			
SL 158-101.5 Yellow Creek Drainage Basin Butler County	Completed - See Page 153			
SL 158-2 Harmony Borough Butler County	Cancelled			
SL 159 Cowanshannock Creek Watershed Armstrong County	Completed - See Page 153			
SL 159-1 Cowanshannock Creek Armstrong County	Core Borings, 2nd Design of Abatement Quick Start Project on Yatesboro No. 4 and 5 Mine			Suspended
SL 160 English Run Lycoming County	Completed - See Page 153			
SL 160-1 English Run Pine Run Tributary Lycoming County	Completed - See Page 153			
SL 161 Elk State Forest Elk County	Completed - See Page 153			
SL 161-101.1 Dents Run Elk State Forest Elk County	Completed - See Page 153			
SL 162 Moon Run Watershed Allegheny County	Cancelled			
SL 162-1 Moon Run Watershed Allegheny County	Completed - See Page 153			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 163 West Branch Susquehanna River Sterling Mine #6 Clearfield County	Completed - See Page 153		\$	
SL 163-1 West Branch Susquehanna River Curwensville Clearfield County	Completed - See Page 153			
SL 163-2 West Branch Susquehanna River Cambria County	Completed - See Page 153			
SL 163-2A West Branch Susquehanna River Cambria County	Completed - See Page 153			
SL 163-3 West Branch Susquehanna River Clearfield County	Completed - See Page 153			
SL 163-4 West Branch Susquehanna River Jersey Shore Area Lycoming and Clinton Counties	Completed - See Page 153			
SL 163-5 West Branch Susquehanna River Cambria County	Completed - See Page 153			
SL 163-6 West Branch Susquehanna River Mahaffey Area Clearfield County	Completed - See Page 153			
SL 163-7 Elk Run Blacklick Township Cambria County	Completed - See Page 154			
SL 164 Kiski River Saltsburg Indiana County	Completed - See Page 154			
SL 164-1 Little Conemaugh Watershed Cambria County	Completed - See Page 154			
SL 165 Farmington Township Clarion County	Completed - See Page 154			
SL 165-1 Farmington Township Clarion County	Completed - See Page 154			
SL 165-1-101.1 Farmington Township Clarion County	Completed - See Page 154			
SL 166 Neshannock Creek Mercer County	Completed - See Page 154			
SL 167 Little Schuylkill River Watershed Schuylkill County	Completed - See Page 154			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 167-1 Silverbrook Basin Little Schuylkill River Watershed Schuylkill County	Completed - See Page 154		\$	
SL 167-1-101.5 Silverbrook Basin Little Schuylkill River Watershed Schuylkill County	Subsurface Exploration			Bid March 28, 1978. No bids received.
SL 167-2 Panther Basin Little Schuylkill River Watershed Schuylkill County	Design of Acid Mine Drainage Pollution Abatement Project			Project cancelled due to active operation
SL 168 Espy Creek Hanover and Newport Twps. Luzerne County	Nanticoke Channel Improvement			Project cancelled
SL 169 Interstate 80 Clarion County	Completed - See Page 154			
SL 169-1 Interstate 80 Clarion County	Completed - See Page 154			
SL 170 Wiconisco Creek Watershed Dauphin and Schuylkill Counties	Completed - See Page 154			
SL 170-1A State Game Land 264 Wiconisco Creek Watershed Wiconisco Township Dauphin County	Completed - See Page 154			
SL 170-1A-102.1R State Game Land 264 Wiconisco Creek Watershed Wiconisco Township Dauphin County	Completed - See Page 154			
SL 170-2 Wiconisco Creek Watershed Dauphin County	Completed - See Page 154			
SL 170-2-102.1R Wiconisco Creek Watershed Dauphin County	Completed - See Page 154			
SL 170-3 Wiconisco Creek Watershed Dauphin and Schuylkill Counties	Completed - See Page 155			
SL 170-4-101.1 Wiconisco Creek Watershed Dauphin and Schuylkill Counties	Construction of Wiers			All bids rejected
SL 170-4-201.1 Wiconisco Creek Watershed Dauphin and Schuylkill Counties	Construction of Wiers			Rebid of SL 170-4-101.1
SL 170-5-101.1 Sheridan Refuse Bank Porter Township Schuylkill County	Completed - See Page 155			
SL 170-6-101.1 Sheridan Refuse Bank Porter Township Schuylkill County	RFP for removal of bank			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 171 Lehigh River			\$	Number assigned for future project reference
SL 172 North Branch Susquehanna River				Number assigned for future project reference
SL 173 Mahoning Creek Watershed Jefferson and Clearfield Counties	Completed - See Page 155			
SL 173-1 Sandy Lick and Mahoning Creek Watersheds Jefferson County	Completed - See Page 155			
SL 173-1-1 Sandy Lick and Mahoning Creek Watersheds Jefferson County	Completed - See Page 155			
SL 173-1-1J* Sandy Lick and Mahoning Creek Watersheds Jefferson County	Completed - See Page 155			
SL 173-1-102.1J Sandy Lick and Mahoning Creek Watersheds Jefferson County	Cancelled			
SL 174 Jeddo Tunnel Luzerne County	Terminated - See Page 155			
SL 175 Brush Creek County Park Beaver County	Completed - See Page 155			
SL 176 Allegheny Portage National Railroad Blair and Cambria Counties	Completed - See Page 155			
SL 176-1A Juniata Township Blair County	Completed - See Page 155			
SL 177 West Creek Elk County	Design for sealing and burying of refuse piles. Reclamation-Backfilling	Department of Environmental Resources		Suspended
SL 178 Menallen Township Fayette County	Cancelled			
SL 179 Stony Creek Watershed Somerset County	Completed - See Page 155			
SL 179-0-101.5 Wells Creek Area Stony Creek Watershed Somerset County	Subsurface Investigation of 3 Deep Mine Complexes			Rebid as SL 179-0-201.5
SL 179-0-201.5 Wells Creek Area Stony Creek Watershed Somerset County	Completed - See Page 155			
SL 179-1 Stony Creek Watershed Somerset County	Completed - See Page 155			
SL 179-1-101.1 Indian Lake Stony Creek Watershed Somerset County	Completed - See Page 155			

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 179-2 Stony Creek Watershed Somerset County	Design of Deep Mine Seals Wells Creek Subwatershed		\$	
SL 179-3 Stony Creek Watershed Somerset County	Design of Deep Mine Seals Fairview Mine			Work Suspended. See SL 179-3-101.5
SL 179-3-101.5 Stony Creek Somerset County	Subsurface Investigation for Deep Mine Sealing			Project suspended. Unable to obtain property easements.
SL 179-4-101.1 Village of Hooversville Somerset County	Completed - See Page 155			
SL 180-1-101.1 Solomon Creek Watershed Wilkes-Barre Township Luzerne County	Completed - See Page 155			
SL 180-1-101.2 Solomon Creek Watershed Newport Creek Luzerne County	Completed - See Page 156			
SL 181 Wilkes-Barre Township Luzerne County	Wyoming Valley Stream Pollution Abatement	In-house		Study completed
SL 181-101.1 Wyoming Valley Luzerne County	Completed - See Page 156			
SL 181-2 Newport Creek Luzerne County	Completed - See Page 156			
SL 181-2-101.2 Newport Creek Watershed Luzerne County	Design of Mine Drainage Watershed Projects			No project initiated
SL 181-3 Nanticoke, Warrior and Solomon Creeks Luzerne County	Completed - See Page 156			
SL 181-3-101.1 Sugar Notch Run Warriors Creek and Solomon Creek Watershed Luzerne County	Construction: Mine Drainage Pollution Abatement Headwaters Diversion			Project cancelled
SL 181-3-101.2 Sugar Notch Run Warriors Creek and Solomon Run Watershed Luzerne County	Design: Mine Drainage Pollution Abatement Project	Geo-Technical Services	102,500.00	Project cancelled
		Amendment	82,300.00	
		Amendment (Credit)	29,283.80	
		Amendment	4,600.00	
		Amendment	3,500.00	
		Amendment	1,500.00	
SL 181-3-101.5 Sugar Notch Run Warriors Creek and Solomon Creek Watershed Luzerne County	Completed - See Page 156			
SL 181-4 Mill Creek Watershed Luzerne County	Completed - See Page 156			
SL 181-5 Exeter Borough Luzerne County	Hick Creek Channel Reconstruction			
SL 181-5-101.2 Exeter Borough Luzerne County	Design Acid Mine Drainage Headwaters - Hicks Creek			
SL 182 Blacklegs Creek Watershed Indiana County	Acid Mine Drainage Study	Department of Environmental Resources		



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 182-1 Blacklegs Creek Watershed Young & Conemaugh Twps. Indiana County	Completed - See Page 156		\$	
SL 182-1-102-1J* Blacklegs Creek Watershed Young & Conemaugh Twps. Indiana County				DSR ZS-8
SL 182-2 Big Run Indiana County	Acid Mine Drainage Abatement			Bids rejected. Completed under SL 182-2-201.1
SL 182-2-201.1 Big Run Indiana County	Completed - See Page 156			
SL 182-3-101.5 Blacklegs Creek Watershed Indiana County	Completed - See Page 156			
SL 183 Schrader Creek Watershed Barclay, Leroy and Overton Townships Bradford County	State Game Lands Nos. 12 and 36 - Mine Drainage Pollution Abatement Study	Department of Environmental Resources		
SL 184 Juniata River				Number assigned for future project reference
SL 184-1 Coaldale Borough Bedford County	Design of Pollution Abatement Facilities			Plans and Specifications completed. Project suspended.
SL 185 Blacklick Creek Watershed Indiana and Cambria Counties	Completed - See Page 156			
SL 185-1-101.1 Blacklick Township Cambria County	Completed - See Page 156			
SL 185-2-101.1 West Wheatfield Township Indiana County	Heshbon Refuse Pile	Department of Environmental Resources		Cancelled
SL 186 Georges Creek Watershed Fayette County	Completed - See Page 156			
SL 186-1 Georges Creek Watershed Fayette County	Completed - See Page 156			
SL 186-1-101.1 Georges Creek Watershed Fayette County	Cancelled			
SL 187-2 Wilkes-Barre Luzerne County	Completed - See Page 156			
SL 188 Loyalsock Creek Watershed Sullivan and Wyoming Counties	Completed - See Page 156			
SL 189 Wilkes-Barre Luzerne County	Cancelled			
SL 190 Village of Sheridan Schuylkill County	Project number changed to FE 54:1			

\*Paid from Johnstown Flood Fund

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 191 Toby Creek Watershed Clarion County	Completed - See Page 156		\$	
SL 191-0-101.5 Toby Creek Watershed Deer Creek Watershed Clarion County	Completed - See Page 156			
SL 191-1 Toby Creek Clarion County	Completed - See Page 156			
SL 191-1-1 Toby Creek Clarion County	Completed - See Page 157			
SL 191-1-101.1 Toby Creek Clarion County	Construction of Strip Mine Reclamation Project			Project suspended
SL 191-1-101.5 Toby Creek Clarion County	Completed - See Page 157			
SL 191-1-102.1 Toby Creek Clarion County	Strip Mine Demonstration Project State Game Lands #72			Partial rebid of SL 191-1-101.1. Rebid as SL 191-1-202.1
SL 191-1-102.2 Toby Creek Clarion County	Acid Mine Drainage Project	Department of Environmental Resources		
SL 191-1-102.8 Toby Creek Clarion County	Completed - See Page 157			
SL 191-1-201.1 Toby Creek Clarion County	Completed - See Page 157			
SL 191-1-202.1 Toby Creek Clarion County	Completed - See Page 157			
SL 192 Piney Creek Clarion County	Completed - See Page 157			
SL 192-1 Piney Creek Clarion County	Completed - See Page 157			
SL 192-1-101.1 Piney Creek Clarion County				Project Suspended
SL 192-1-101.5 Piney Creek Watershed Piney Township Clarion County	Completed - See Page 157			
SL 193 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-1 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-1-1 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-1-101.1 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-1-101.5 Deer Creek Watershed Clarion County	Subsurface Investigation			Rebid as SL 193-1-201.5

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 193-1-201.5 Deer Creek Watershed Clarion County	Completed - See Page 157		\$	
SL 193-2 Deer Creek Watershed Clarion County	Design (Future)			
SL 193-3 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-3-1 Deer Creek Watershed Clarion County	Changed to AWSP 16:2			
SL 193-4-101.1 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 193-4-101.5 Deer Creek Watershed Clarion County	Completed - See Page 157			
SL 194 Licking Creek Watershed Clarion County	Completed - See Page 157			
SL 194-1 Licking Creek Watershed Clarion County	Completed - See page 157			
SL 194-2 Licking Creek Watershed Clarion County	Design (Future)			
SL 194-3 Licking Creek Watershed Clarion County	Cancelled			
SL 194-3-1 Licking Creek Watershed Clarion County	Cancelled			
SL 195 Bennett Branch Sinnemahoning Creek Elk, Clearfield and Cameron Counties	Completed - See Page 157			
SL 195-1-101.1 Bennett Branch of Sinnemahoning Creek Benzette Township Elk County	Completed - See Page 158			
SL 195-1-101.2 Bennett Branch of Sinnemahoning Creek Benzette Township Elk County	Completed - See Page 158			
SL 196 Cats Run and Jacobs Creek Monongahela Basin Fayette County	Cancelled			
SL 197 Mahano Creek Northumberland, Columbia and Schuylkill Counties	Completed - See Page 158			
SL 197-1-101.5 Village of Lost Creek Schuylkill County	Completed - See Page 158			
SL 198 Pine Creek Hampton Township Allegheny County	Completed - See Page 158			
SL 198-1 Pine Creek Hampton Township Allegheny County	Completed - See Page 158			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 198-2 Wildwood Treatment Plant Hampton Township Allegheny County	Completed - See Page 158		\$	
SL 198-2-76 Wildwood Treatment Plant Hampton Township Allegheny County	Completed - See Page 158			
SL 198-2-78 Wildwood Treatment Plant Hampton Township Allegheny County	Completed - See Page 158			
SL 198-2-80 Wildwood Treatment Plant Hampton Township Allegheny County	Completed - See Page 158			
SL 198-2-82 Wildwood Treatment Plant Hampton Township Allegheny County	Completed - See Page 158			
SL 198-2-85 Wildwood Treatment Plant Hampton Township Allegheny County	Cleaning Lagoon	Ad + Soil, Inc.	81,000.00	
SL 198-2-88 Wildwood Mine Drainage Treatment Facility Hampton Township	Cleaning of Lagoon			
SL 198-3 Pine Creek Watershed Allegheny County	Changed to B-290			
SL 199 North Branch Bear Creek Bear Creek Watershed Butler County	Completed - See Page 158			
SL 199-1 South Branch Bear Creek Fairview Township Butler County	Completed - See Page 158			
SL 199-1-1 South Branch Bear Creek Fairview Township Butler County	Completed - See Page 158			
SL 1-17:1-101.1J* Anderson Creek Watershed Clearfield County	Completed - See Page 158			
SL 1-17:1-101.2 Anderson Creek Watershed Clearfield County	Completed - See Page 159			
SL 1-17:1-101.6 Anderson Creek Clearfield County	Completed - See Page 159			
SL 1-17:1-102.2 Anderson Creek Union Township Clearfield County	Design: Deep Mine Sealing Strip Mine Reclamation Stream Channels			
SL 1-17:1-201.1 Anderson Creek Watershed Clearfield County	Completed - See Page 159			
SL 1-73:1-101.1A Clearfield Creek Watershed Japling Run Clearfield County	Construction - Mine Drainage Pollution Abatement Facilities			Suspended

\* Paid from Johnstown Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 1-73:1-101.1B Clearfield Creek Watershed Lost Run Clearfield County	Construction - Mine Drainage Pollution Abatement		\$	Design completed November 28, 1973. Project suspended until active operator is finished.
SL 1-73:1-101.2 Clearfield Creek Watershed Clearfield County	Completed - See Page 159			
SL 1-73:1-101.7 Moshannon Creek Basin Cambria, Centre and Clearfield Counties	Completed - See Page 159			
SL 1-73:1-102.1A** Clearfield Creek Clearfield County				Project suspended
SL 1-73:1-102.1B Clearfield Creek Clearfield County				Project suspended
SL 1-73:1-102.2 Clearfield Creek Clearfield and Cambria Counties	Terminated - See Page 159			
SL 1-73:1-103.1 Moshannon Creek Centre County				Project suspended
SL 1-73:1-103.2 Moshannon Creek Centre County	Terminated - See Page 159			
SL 1-73:1-104.1A Clearfield Creek Clearfield County				Project suspended
SL 1-73:1-104.1B Clearfield Creek Clearfield County				Project suspended
SL 1-73:1-104.2 Clearfield Creek Cambria County	Completed - See Page 159			
SL 1-73:1-105.1 Munson Clearfield County	Acid Mine Drainage Pollution Abatement	Department of Environmental Resources		
SL 1-94:1-101.11 Statewide	Completed - See Page 159			
SL 1001 East Sandy Creek Watershed Venango County	Number Reserved			
SL 1001-1 Cogley Run, Clarion and Venango Counties	Design: Oil Well Sealing and Strip Mine Reclamation	Department of Environmental Resources		Suspended
SL 1001-1-1 Cogley Run Clarion County	Construction-Oil Well Sealing, Deep Mine Drilling and Sealing, and Strip Mine Reclamation			Suspended
SL 1002 Sideling Hill Creek Huntingdon County	Acid Mine Drainage Study	Department of Environmental Resources		
SL 1002-101.2 Roaring Run Huntingdon County	Design of Deep Mine Sealing and Strip Mine Reclamation	Department of Environmental Resources		Preliminary Field Reconnaissance
SL 1003 Kiskamere Mine Carnahan Run Parks Township Armstrong County	Cancelled			

\*\* Project number changed from SL 1-73:1-102.1

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 1004 Schuylkill River Watershed Schuylkill County	Acid Mine Drainage Pollution Abatement Study		\$	Not assigned - inactive
SL 1005 Stoney Creek Watershed Dauphin County	Acid Mine Drainage Pollution Abatement	Department of Environmental Resources		
SL 1005-1-101.1 Stoney Creek Watershed Lebanon County	Combined with SL 126-3-104.1			
SL 1006-101.5 Mary Elizabeth Mine Little Connoquenessing Creek Connoquenessing Township Butler County	Cancelled			
SL 1007 Sugar Run Watershed Allegheny Township Blair County	In House Study	Department of Environmental Resources		Project cancelled
SL 1008-101.5 Commodore Indiana County	Completed - See Page 159			
SL 1009-101.5 South Connellsville Fayette County	Completed - See Page 159			
SL 1010-101.1 Village of Munson Clearfield County	Completed - See Page 159			
SL 1011-101.1 Penn Five Rush Township Centre County	Mine Drainage Facility	Department of Environmental Resources	12,505.00	Project done as a bituminous project by Ebensburg District Office
SL 1012-101.5 City of Monongahela Washington County	Cancelled			
SL 1013-101.1 Plain Grove Lawrence County	Completed - See Page 159			
SL 1014-101.6 Swatara Creek Lebanon & Schuylkill	Completed - See Page 159			
SL 1015-101.1 Canoe Creek Watershed Ashland Township Clarion County	Completed - See Page 159			
SL 1015-102.1 Jennings Environmental Education Center Brady Township Butler County	Completed - See Page 159			
SL 1015-103.1 Ohiopyle State Park Stewart Township Fayette County	Construction of Wetland Treatment Systems	William C. Porter Excavating C.O. #1 C.O. #2	69,587.50 6,583.00 1,368.09	
SL 1015-101.2	Design of Wetland Treatment Systems	EADS	246,788.60	
SL 1016-101.7	Operation of Treatment Harmar Mine		134,000.00	

### *AIR POLLUTION CONTROL*

SL 200 Statewide	Completed - See Page 159
SL 200-1 Statewide	Completed - See Page 160

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 201 City of Scranton Marvine Colliery Lackawanna County	Completed - See Page 160		\$	
SL 201-1 City of Scranton Marvine Colliery Lackawanna County	Completed - See Page 160			
SL 201-102.1 City of Scranton Marvine Colliery Lackawanna County	Completed - See Page 160			
SL 201-2-101.1 City of Scranton Marvine Colliery Lackawanna County	Completed - See Page 160			
SL 203* Taylor Borough Lackawanna County	Completed - See Page 160			
SI 204 Huber Bank Fire Luzerne County	Completed - See Page 160			
SL 204-1 Huber Bank Fire Luzerne County	Completed - See Page 160			
SL 204-2 Huber Bank Fire Luzerne County	Completed - See Page 160			
SL 204-3 Huber Bank Fire Hanover Township Luzerne County	Completed - See Page 160			
SL 205 Chartiers Township Houston Refuse Bank Washington County	Completed - See Page 160			
SL 206 N. Strabane Washington County	Completed - See Page 160			
SL 207 Eddy Creek Lackawanna County	Completed - See Page 160			
SL 207-1 Eddy Creek Lackawanna County				
SL 208 N. Fayette Township Allegheny County	Cancelled			
SL 209 N. Fayette Township Allegheny County	Completed - See Page 160			
SL 210 Forrestville Schuylkill County	Completed - See Page 160			
SL 210-1 Forestville Schuylkill County	Completed - See Page 160			
SI 210-2 Forestville Cass Township Schuylkill County	Completed - See Page 160			
SL 210-3 Forestville Schuylkill County	Completed - See Page 160			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 210-4-101.5 Forestville Cass Township Schuylkill County	Completed - See Page 161		\$	
SL 211 Williams Township Dauphin County	Extinguishing Refuse Bank Fire			Rebid as SL 211A
SL 211A Williams Township Dauphin County	Completed - See Page 161			
SL 212 West Mifflin Borough Streets Run Road Allegheny County	Completed - See Page 161			
SL 213 Village of Ramey Clearfield County	Completed - See Page 161			
SL 214 E. Bethlehem Township Washington County	Completed - See Page 161			
SL 215 New Kensington Westmoreland County	Completed - See Page 161			
SL 217 Mary D Schuylkill County	Completed - See Page 161			
SL 218 Glen Lyon Luzerne County	Completed - See Page 161			
SL 220 Olyphant Lackawanna County	Completed - See Page 161			
SL 221 Chartiers Township Washington County	Cancelled			
SL 222 Village of Poland Greene County	Completed - See Page 161			
SL 223-101.1 Flat Road Luzerne County	Completed - See Page 161			
SL 224-101.1 Borough of Olyphant Lackawanna County	Completed - See Page 161			
SL 225-101.1 Borough of Sugar Notch Luzerne County	Cancelled			
SL 226-101.1 Bolivar Westmoreland County	Completed - See Page 161			
<b><i>UNDERGROUND MINE FIRES</i></b>				
AMF 24* Lackawanna County	Completed - See Page 161			
AMF 49* Glen Burn Colliery Northumberland County	Completed - See Page 161			
AMF 53 Centralia Borough Columbia County	Completed - See Page 161			

\*Partial Federal Funding



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
ASL 301* Penn Hills Township Allegheny County	Completed - See Page 161		\$	
ASL 302* City of Monongahela Washington County	Completed - See Page 161			
ASL 303* Boroughs of Plum and Monroeville Allegheny County	Completed - See Page 161			
ASL 304* Upper Tyrone Township Fayette County	Completed - See Page 162			
ASL 305* Moon Township Allegheny County	Completed - See Page 162			
ASL 306* Ken Ridge Drive Kennedy Township Allegheny County	Completed - See Page 162			
ASL 307* Borough of Swoyersville Kingston Township Luzerne County	Completed - See Page 162			
ASL 308* City of Scranton Lackawanna County	Completed - See Page 162			
ASL 309* City of Hazleton Luzerne County	Completed - See Page 162			
ASL 310* Iselin Indiana County	Completed - See Page 162			
ASL 311* West Mifflin Allegheny County	Completed - See Page 162			
ASL 312* Burgettstown Smith Township Washington County	Completed - See Page 162			
ASL 313* Centralia Columbia County	Completed - See Page 162			
ASL 314* Delwar Road West Mifflin Allegheny County	Completed - See Page 162			
SL 300 Statewide	Completed - See Page 162			
SL 301 Plummer-Puritan German Township Fayette County	Completed - See Page 162			
SL 301-1 Plummer-Puritan German Township Fayette County	Completed - See Page 162			
SL 302 N. Union Township Fayette County	Completed - See Page 162			
SL 303 Footdale Fayette County	Completed - See Page 162			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 303-1 Footdale Fayette County	Completed - See Page 162		\$	
SL 304 Mt. Carmel Northumberland County	Completed - See Page 162			
SL 304-101.1H* Mt. Carmel Northumberland County	Completed - See Page 162			
SL 304-101.2 Mt. Carmel Northumberland County	Completed - See Page 163			
SL 305 Menallen Township Fayette County	Completed - See Page 163			
SL 306 Connellsville Township Fayette County	Completed - See Page 163			
SL 306-1 Connellsville Township Fayette County	Completed - See Page 163			
SL 306-2 Connellsville Township Fayette County	Completed - See Page 163			
SL 307 Georges Township Fayette County	Completed - See Page 163			
SL 307-1 Georges Township Fayette County	Completed - See Page 163			
SL 307-2 Georges Township Fayette County	Completed - See Page 163			
SL 308 Jefferson Borough Allegheny County	Completed - See Page 163			
SL 308-1 Jefferson Borough Allegheny County	Completed - See Page 163			
SL 309 West Mahanoy Township Schuylkill County	Completed - See Page 163			
SL 309-1 West Mahanoy Township Schuylkill County	Completed - See Page 163			
SL 309-2-101.1 West Mahanoy Township Schuylkill County	Completed - See Page 163			
SL 309-2-101.2 West Mahanoy Township Schuylkill County	Completed - See Page 163			
SL 310 Jefferson Township Village of Linn Fayette County	Completed - See Page 163			
SL 311 Plum Borough Allegheny County	Completed - See Page 163			
SL 312 Throop Borough Eddy Creek Colliery Area Lackawanna County	Completed - See Page 163			

\*\$14,331.00 funded from 01-35-80-77-6-500-96000

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 312-1 Throop Borough Lackawanna County	Completed - See Page 163		\$	
SL 313 N. Fayette Township Allegheny County	Completed - See Page 163			
SL 314 Coal Township David Stark Dump Area Northumberland County	Completed - See Page 164			
SL 315 Monessen Westmoreland County	Completed - See Page 164			
SL 316 Blairsville Borough Indiana County	Completed - See Page 164			
SL 317 Snow Shoe Centre County	Completed - See Page 164			
SL 317-1 Snow Shoe Centre County	Completed - See Page 164			
SL 318 Independence Township Washington County	Completed - See Page 164			
SL 319 Sewickley Township Westmoreland County	Cancelled			
SL 320 Carroll Township Washington County	Completed - See Page 164			
SL 321 City of Pittsburgh Allegheny County	Completed - See Page 164			
SL 322 City of Carbondale Lackawanna County	Completed - See Page 164			
SL 323 W. Pike Run Township Washington County	Completed - See Page 164			
SL 324 Decatur Township Clearfield County	Completed - See Page 164			
SL 325 Ligonier Township Allegheny County	Completed - See Page 164			
SL 326 Hillsdale Section Plains Township Luzerne County	Completed - See Page 164			
SL 327 Sproul State Park Noyes Township Clinton County	Completed - See Page 164			
SL 328 West Pike Township Washington County	Completed - See Page 164			
SL 329 Borough of Jessup Lackawanna County	Cancelled			
SL 330 Greater Pittsburgh Airport Allegheny County	Control of Underground Mine Fire			Plans and Specifications being prepared.

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 331 Village of Percy N. Union Township Fayette County	Completed - See Page 164	\$		
SL 331-1-101.5 Village of Percy N. Union Township Fayette County	Completed - See Page 164			
SL 331-1-102.5 Village of Percy N. Union Township Fayette County	Completed - See Page 164			
SL 331-2-101.1 Village of Percy N. Union Township Fayette County	Changed to Contract OSM 26(038-78)101.1			
SL 332 Baldwin Borough Allegheny County	Completed - See Page 164			
SL 333 East Huntingdon Twp. Westmoreland County	Completed - See Page 164			
SL 334 East Huntingdon Twp. Westmoreland County	Completed - See Page 165			
SL 335* Upper Tyrone Fayette County	Completed - See Page 165			
SL 336 Village of Coal Run Northumberland County	Exploratory Drilling	Federal project (Glen Burn)		
SL 336-101.5 Hickory Swamp Village of Coal Run Northumberland County	Exploratory Drilling			
SL 337-101.5 Reynlow Park Jefferson County	Completed - See Page 165			
SL 338-101.5 Shenandoah Mine Fire Schuylkill County	Exploratory Drilling			Postponed
SL 339-101.1 Penn Hills Township Allegheny County	Completed - See Page 165			
SL 340-101.1 Borough of Larksville Luzerne County				Project to be done by OSM
SL 340-101.5 Borough of Larksville Luzerne County	Subsurface Investigation			Drilling done with Flood Funds under Contract No. FE40:23-201.5
SL 341-101.1 Village of Gibson Washington County	Completed - See Page 165			
SL 342-1-101.5 Peters Creek Area Jefferson Borough Allegheny County	Completed - See Page 165			
SL 342-2-101.5 Large Area Jefferson Borough Allegheny County	Completed - See Page 165			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL342-2-102.5 Jefferson Borough Allegheny County	Completed - See Page 165		\$	
SL 343-101.1 Boyce Park Allegheny County	Completed - See Page 165			
SL 343-101.5 Boyce Park Allegheny County	Completed - See Page 165			
SL 343-102.1 Boyce Park Plum Borough Allegheny County	Completed - See Page 165			
SL 344-101.5 Derry Township Westmoreland County	Completed - See Page 165			
SL 345-101.1 South Union Township Fayette County	Completed - See Page 165			
SL 345-101.5 South Union Township Fayette County	Completed - See Page 165			
SL 346-101.1 Hanover Township Luzerne County	Completed - See Page 165			
SL 347-101.5 S. Huntingdon Township Westmoreland County	Exploratory Drilling Underground Mine Fire	Department of Environmental Resources	15,000.00	
SL 348-101.1 Smith Township Washington County	Cancelled			
SL 348-101.5 Smith Township Washington County	Cancelled			
SL 349-101.1 Forestville Schuylkill County			50,000.00	
SL 350-101.5 Georges and German Twps. Fayette County	Completed - See Page 165			
SL 351-201.1 Traffic Route 61 Vicinity of Centralia Columbia County	Completed - See Page 165			
<b><i>MINE SUBSIDENCE</i></b>				
ASP 8* City of Carbondale Lackawanna County	Completed - See Page 165			
ASP 11* City of Scranton Southside Section Lackawanna County	Completed - See Page 165			
ASP 12* City of Scranton Hill Section Lackawanna County	Completed - See Page 166			
ASP 12-2*, ** City of Scranton Hill Section Lackawanna County	Completed - See Page 166			

\* Partial Federal Funding

\*\*C.O. #6 and C.O. #7, State Funds only

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
ASP 21* Birdville Elementary School Harrison Township Allegheny County	Completed - See Page 166		\$	
ASP 23 Miners Mills Section Wilkes-Barre Luzerne County	Completed - See Page 166			
SL 400 Statewide	Completed - See Page 166			
SL 401 Ashley Borough Luzerne County	Completed - See Page 166			
SL 402 Glen-Gormley Plat N. Fayette Township Allegheny County	Completed - See Page 166			
SL 403 Scranton Tripp Slope Mine Diamond Colliery Lackawanna County	Completed - See Page 166			
SL 403-A Scranton Tripp Slope Mine Diamond Colliery Lackawanna County	Completed - See Page 166			
SL 404 West Mifflin Borough Allegheny County	Completed - See Page 166			
SL 404-1 West Mifflin Borough Allegheny County	Completed - See Page 166			
SL 404-2 West Mifflin Borough Allegheny County	Completed - See Page 166			
SL 404-3 West Mifflin Borough Allegheny County	Completed - See Page 166			
SL 405 Hollywood-Tyler Clearfield County	Completed - See Page 166			
SL 406 Jacobs Drive Fairhope Fayette County	Completed - See Page 166			
SL 407 Ormsby Drive Huntingdon Township Westmoreland County	Completed - See Page 166			
SL 408 Natrona Heights Harrison Township Allegheny County	Completed - See Page 166			
SL 408-1 Natrona Heights Harrison Township Allegheny County	Completed - See Page 166			
SL 408-2 Harrison Township Allegheny County	Completed - See Page 167			
SL 408-3 Harrison Township Allegheny County	Completed - See Page 167			

\* Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 409 City of Johnstown Cambria County	Completed - See Page 167		\$	
SL 409-1 City of Johnstown Cambria County	Completed - See Page 167			
SL 410 Archbald Glacial Pothole Lackawanna County	Completed - See Page 167			
SL 411 Jackson Street City of Scranton Lackawanna County	Completed - See Page 167			
SL 413 South Park Township Broughton Allegheny County	Completed - See Page 167			
SL 413-1 South Park Township Broughton Allegheny County	Completed - See Page 167			
SL 413-2 Broughton Allegheny County	Completed - See Page 167			
SL 414 Scranton Lackawanna County	Completed - See Page 167			
SL 415 Wilkes-Barre Luzerne County	Completed - See Page 167			
SL 415-1* Wilkes-Barre Luzerne County	Completed - See Page 167			
SL 416 Beaverdale Borough Cambria County	Completed - See Page 167			
SL 416-2-101.5 Beaverdale Borough Cambria County	Cancelled			Unable to obtain property releases
SL 417** Daugherty Township Beaver County	Completed - See Page 167			
SL 417-1** Daugherty Township Beaver County	Completed - See Page 167			
SL 418 Barnesboro Cambria County	Completed - See Page 167			
SL 419 City of Scranton Lackawanna County	Completed - See Page 167			
SL 420 City of Wilkes-Barre Luzerne County	Cancelled			
SL 421 Belle-Vernon Westmoreland County	Completed - See Page 167			
SL 421-1 North Belle Vernon Westmoreland County	Completed - See Page 168			

\* Paid from Flood Emergency Fund

\*\* Paid from Special Appropriation - Land Subsidence - Beaver County

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 422 Pittsburgh Allegheny County	Completed - See Page 168		\$	
SL 422-1 Brookline Pittsburgh Allegheny County	Completed - See Page 168			
SL 423 Borough of Pleasant Hills Allegheny County	Completed - See Page 168			
SL 423-1A Tara Drive Pleasant Hills Allegheny County	Completed - See Page 168			
SL 423-2-101.5 Pleasant Hills Allegheny County	Completed - See Page 168			
SL 424 Robinson Township Allegheny County	Cancelled			
SL 425 Courtdale Borough Luzerne County	Completed - See Page 168			
SL 426 Pittsburgh Allegheny County	Completed - See Page 168			
SL 427 City of Scranton Lackawanna County	Completed - See Page 168			
SL 428 N. Huntingdon Township Westmoreland County	Completed - See Page 168			
SL 428-102.5 Lincoln Way N. Huntingdon Township Westmoreland County	Completed - See Page 168			
SL 429 California Washington County	Completed - See Page 168			
SL 430 Newport Township Luzerne County	Completed - See Page 168			
SL 431 Penn Hills Township Allegheny County	Completed - See Page 168			
SL 432 New Eagle Borough Washington County	Completed - See Page 168			
SL 433 City of Pittsburgh Allegheny County	Completed - See Page 168			
SL 434 City of New Kensington Westmoreland County	Completed - See Page 168			
SL 434-102.5 City of New Kensington Westmoreland County	Completed - See Page 168			
SL 435 Gosser Hill Armstrong County	Completed - See Page 168			



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 436 Matera Street City of Pittsburgh Allegheny County	Completed - See Page 168		\$	
SL 437 California Borough Washington County	Completed - See Page 169			
SL 437-1A California Borough Washington County	Completed - See Page 169			
SL 438* Minooka Section Scranton Lackawanna County	Completed - See Page 169			
SL 439 Fairhope Fayette County	Completed - See Page 169			
SL 440-1 Courtdale Borough Luzerne County	Completed - See Page 169			
SL 441 Banksville and Potomac Roads 11th Ward, Pittsburgh Allegheny County	Completed - See Page 169			
SL 442 Borough of Exeter Luzerne County	Exploratory Drilling			Rebid as SL 442-A
SL 442-A Borough of Exeter Luzerne County	Completed - See Page 169			
SL 443 State Traffic Rt. 164 Portage Township Cambria County	Completed - See Page 169			
SL 444 Mary Mount School Wilkes-Barre Luzerne County	Completed - See Page 169			
SL 445 Borough of Carnegie Allegheny County	Completed - See Page 169			
SL 446 Salina Reformed Church Salina, Bell Township Westmoreland County	Construction of Mine Subsidence Project			Project being re-evaluated
SL 447 Borough of Dunmore Lackawanna County	Completed - See Page 169			
SL 448 Moosic Borough Lackawanna County	Completed - See Page 169			
SL 449 Jefferson Township Fayette County	Fly Ash Injection Mine Subsidence Control			Project being re-evaluated
SL 450 Borough of Port Vue Allegheny County	Exploratory Drilling			Rebid as SL 450-1
SL 450-1 Borough of Port Vue Allegheny County	Completed - See Page 169			
SL 450-2 Borough of Port Vue Allegheny County	Completed - See Page 169			

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 450-2-101.5 Borough of Port Vue Allegheny County	Completed - See Page 169		\$	
SL 450-3-101.1 Borough of Port Vue Allegheny County	Completed - See Page 169			
SL 450-3-102.1 Borough of Port Vue Allegheny County	Flushing Mine		275,000.00	Project being redesigned
SL 450-3-102.5 Borough of Port Vue Allegheny County	Completed - See Page 169			
SL 450-3-103.5 Borough of Port Vue Allegheny County	Completed - See Page 169			
SL 451 Pittston Township Luzerne County	Completed - See Page 169			
SL 452 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Completed - See Page 170			
SL 452-101.1 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Completed - See Page 170			
SL 452-102.1 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Grouting			Bid with SL 452-101.1
SL 452-102.2 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Completed - See Page 170			
SL 453 Borough of Brentwood Allegheny County	Completed - See Page 170			
SL 453-1 Borough of Brentwood Allegheny County	Flushing of Mine Voids			All bids rejected. Rebid as SL 453-1A
SL 453-1A Borough of Brentwood Allegheny County	Completed - See Page 170			
SL 454 Bairdford School West Deer Township Allegheny County	Completed - See Page 170			
SL 455 Natrona Heights Birdville School Allegheny County	Completed - See Page 170			
SL 455-101.2 Natrona heights Allegheny County	Completed - See Page 170			
SL 455-102.5 Natrona heights Birdville School Allegheny County	Completed - See Page 170			
SL 456 Baldwin Township Allegheny County	Exploratory Drilling			Bids rejected. Rebid as SL 456-1
SL 456-1 Baldwin Township Allegheny County	Completed - See Page 170			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 456-2 Baldwin Township Allegheny County	Completed - See Page 170		\$	
SL 456-3-101.5 Baldwin Township Allegheny County	Cancelled 12/81			
SL 456-4-101.1 Perry Drive Baldwin Township Allegheny County	Completed - See Page 170			
SL 457 Freedom School Freedom Borough Beaver County	Completed - See Page 170			
SL 457 BFMA New Sewickley Township Beaver County	Completed - See Page 170			
SL 457-1-101.1 Freedom School Freedom Borough Beaver County	Cancelled			
SL 457-1-101.2 Freedom School Freedom Borough Beaver County	Completed - See Page 170			
SL 457-1-101.5 Freedom School Freedom Borough Beaver County	Completed - See Page 170			
SL 458 Pottsville High School Schuylkill County	Completed - See Page 170			
SL 459 Borough of Dunmore Lackawanna County	Completed - see Page 170			
SL 460 Crescent Garden Road Penn Hills Allegheny County	Completed - See Page 171			
SL 461-1 Ruth Drive Monroeville Allegheny County	Completed - See Page 171			
SL 461-1-101.1 Ruth Drive Monroeville Allegheny County	Completed - See Page 171			
SL 461-1-101.5 Ruth Drive Monroeville Allegheny County	Completed - See Page 171			
SL 461-2-101.1 Stepp Drive Monroeville Allegheny County	Completed - See Page 171			
SL 461-2-101.5 Stepp Drive Monroeville Allegheny County	Completed - See Page 171			
SL 462 Penhurst Drive Greenock Heights Elizabeth Township Allegheny County	Completed - See Page 171			
SL 463-101.1 Blakely Borough Lackawanna County	Completed - See Page 171			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 463-102.1 Blakely Borough Lackawanna County	Cancelled		\$	
SL 463-102.5 Blakely Borough Lackawanna County	Completed - See Page 171			
SL 463-201.5 Blakely Borough Lackawanna County	Completed - See Page 171			
SL 464-101.5 North Belle Vernon Westmoreland County	Completed - See Page 171			
SL 465-101.5 Avoca Borough Luzerne County	Completed - see Page 171			
SL 466-101.5 Jermyn Borough Lackawanna County	Cancelled			
SL 467-101.1 Mt. Pleasant Township Westmoreland County	Terminated - See Page 171			
SL 468-101.1 City of Carbondale Lackawanna County	Completed - See Page 171			
SL 469-101.1 Village of West Middlesex Shenango Township Mercer County	Completed - see Page 171			
SL 470-101.5 City of Pittston Luzerne County	Completed - See Page 171			
SL 471-101.1 Pierce Road Lincoln Borough Allegheny County	Completed - See Page 171			
SL 472-101.1 Borough of Leechburg Armstrong County	Completed - See Page 171			
SL 472-101.5 Borough of Leechburg Armstrong County	Completed - See Page 171			
SL 473-101.1 Connellsville Fayette County	Flushing Mine Voids			To be done as OSM project.
SL 473-101.5 Connellsville Fayette County	Completed - See Page 172			
SL 474-101.1 McDonald Borough Allegheny and Washington Counties	Completed - See Page 172			
SL 474-101.5 McDonald Borough Allegheny County	Completed - See Page 172			
SL 474-102.5 McDonald Borough Allegheny County	Completed - See Page 172			
SL 475-101.5 Arnold Westmoreland County	Exploratory Drilling	Federal project		
SL 476-101.1 Wilkes-Barre Township Luzerne County	Completed - See Page 172			
SL 477-101.5 Borough of Taylor Lackawanna County	Completed - See Page 172			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 478-1-101.5 City of Arnold Westmoreland County	Completed - See Page 172		\$	
SL 479-101.1 Bowman Street City of Wilkes-Barre Luzerne County	Completed - See Page 172			
SL 479-101.5 Bowman Street City of Wilkes-Barre Luzerne County	Completed - See Page 172			
SL 479-102.5 Bowman Street Wilkes-Barre Luzerne County	Completed - See Page 172			
SL 480-101.1 Plymouth Borough Luzerne County	Backfilling Sinkhole			OSM emergency project
SL 481-101.1 Churchill Borough Allegheny County	Completed - See Page 172			
SL 481-1-102.1 Nottingham Drive Churchill Borough Allegheny County	Cancelled			
SL 481-1-201.5 Borough of Churchill Allegheny County	Completed - See Page 172			
SL 482-1-101.5 Borough of Apollo Armstrong County	Completed - See Page 172			
SL 482-2-101.5 Borough of Apollo Armstrong County	Completed - See Page 172			
SL 483-101.5 Drifton Estates Hazel Township Luzerne County	Completed - See Page 172			
SL 484-101.5 Borough of Duryea Luzerne County	Completed - See Page 172			
SL 485-101.5 Hillsdale Section Plains Township Luzerne County	Cancelled			
SL 486-101.5 Bellevue Section Scranton Lackawanna County	Completed - See Page 172			
SL 487-101.5 Chartiers Township Washington County	Subsurface Investigation			Rebid as SL 487-201.5
SL 487-201.5 Chartiers Township Washington County	Completed - See Page 172			
SL 488-101.5 Fayette City Fayette County				Rebid as SL 488-201.5
SL 488-201.5 Fayette City Borough Fayette County	Completed - See Page 172			
SL 489-101.1 Wolf Creek Township Mercer County	Cancelled			
SL 490-101.1 Unity Township Westmoreland County	Completed - See Page 172			

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 491-101.5 Wyoming Borough Luzerne County	Completed - See Page 173		\$	
SL 492-101.1 Village of Hudson Decatur Township Clearfield County	Flushing Mine Voids		110,000.00	Preliminary design submitted
SL 492-101.5 Village of Hudson Decatur Township Clearfield County	Completed - See Page 173			
SL 492-102.5 Village of Hudson Decatur Township Clearfield County				Rebid as SL 492-302.5
SL 492-302.5 Village of Hudson Clearfield County	Completed - See Page 173			
SL 493-101.1 Village of Dunbar Franklin Township Fayette County	Completed - See Page 173			
SL 494-101.1 Matera Place City of Pittsburgh Allegheny County	Completed - See Page 173			
SL 495-101.5 Jane Clair Drive North Huntingdon Township Westmoreland County	Completed - See Page 173			
SL 496-101.5 Twilight Borough Washington County	Completed - See Page 173			
SL 496-201.1 Twilight Borough Washington County	Completed - See Page 173			
SL 497-101.1 Francis Road Burgettstown Washington County	Mine Subsidence Control	Department of Environmental Resources	43,458.00	Under design
SL 498-101.5 Edgebrook Section Pittsburgh Allegheny County	Completed - See Page 173			
SL 499-101.5 Duquesne Allegheny County	Completed - See Page 173			
SL 4001-101.1 Plymouth West Luzerne County	Flushing Mine Voids			Completed as OSM 40(502-82) 101.5
SL 4002-101.2 Wilkes-Barre Luzerne County	Consultant Agreement		1,500.00	
SL 4003-101.5 Old Forge Borough Lackawanna County	Completed - See Page 173			
SL 4004-101.5 Smithfield Borough Fayette County	Completed - See Page 173			
SL 4005-101.5 Mapletown Jr.-Sr. High School Greene County	Completed - See Page 173			
SL 4006-101.5 City of Pittsburgh Allegheny County	Exploratory Drilling	Department of Environmental Resources	5,075.00	Project changed to OSM Funding OSM 2(5003-84) 101.5

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
SL 4007-101.5 City of Johnstown Cambria County	Completed - See Page 173		\$	
SL 4008-101.5 Borough of Sutersville Westmoreland County	Completed - See Page 173			
SL 4009-101.5 Area of Saddler Street City of Scranton Lackawanna County	Completed - See Page 173			
SL 4010-101.5 Holy Name Parochial School Borough of Forty Fort Luzerne County	Completed - See Page 173			
SL 4011-101.5 Area of Fallbrook Street City of Carbondale Lackawanna County	Completed - See Page 173			
SL 4012-101.1 Pittston Luzerne County	Phase II		6,000,000.00	

**OSM PROJECTS\***  
(Office of Surface Mining)

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Estimated Cost</u>	<u>Status of Progress</u>
OSM 2(5003-84) 101.5 City of Pittsburgh Allegheny County	Exploratory Drilling	Department of Environmental Resources	\$ 5,075.00	
OSM 4(510-83)101.1 Freedom Junior-Senior High School - Freedom Borough and New Sewickley Township - Beaver County	Completed - See Page 173			
OSM 17(037-78) 101.5* Borough of Clearfield Clearfield County	Completed - See Page 174			
OSM 26 (038-78) 101.1* Village of Percy Fayette County	Completed - See Page 174			
OSM 26 (038-78) 101.5* Village of Percy N. Union Township Fayette County	Completed - See Page 174			
OSM 35 (017-78) 101.1* Dickson City Borough Lackawanna County	Completed - See Page 174			
OSM 40 (019-78) 301.1* City of Nanticoke Luzerne County	Completed - See Page 174			
OSM 40 (502-82) 101.5 Plymouth-West Luzerne County	Completed - See Page 174			
OSM 40 (511-83) 101.1 City of Pittston and Borough of Hughestown Luzerne County	Completed - See Page 174			
OSM40(522-83)101.1 Wilkes-Barre Township Luzerne County	Completed - See Page 174			

\* 100% reimbursed with Federal monies

\*\* \$718,308.00 to be reimbursed with Federal Funds

\*\*\* \$1,424,574.00 to be reimbursed with Federal Funds

\*\*\*\*\$3,773,000.00 to be reimbursed with Federal Funds

## TREATMENT PLANTS

<u>Project Number and Location</u>	<u>Engineer/Contractor</u>	<u>Contract Amount</u>	<u>Cost to Date</u>	<u>Capacity in Gallons</u>	<u>Date Started</u>	<u>Plant Placed in Operation</u>
SL 104 Slippery Rock Creek Butler County	(Engineering) The Chester Engineers 601 Suismon Street Pittsburgh, Pennsylvania	\$ 53,046.41	\$ 53,046.41	--	--	--
SL 104-1 Slippery Rock Creek Butler County	(General Construction) Christopher Construction Co. 3150 Valley View Drive Columbus, Ohio 43204	697,225.45	697,225.45	12-15 Million	Oct. 1968	Dec. 1970
SL 104-2 Slippery Rock Creek Butler County	(Electrical) Fuellgraph Electric Co. 600 South Washington Street Butler, Pennsylvania	54,574.00	54,574.00	--	--	--
SL 106-1 Sandy Run Luzerne County	(General Construction) Layne-New York Co. 1250 W. Elizabeth Avenue Linden, New Jersey	48,516.80	48,516.80	15 Million	May 1969	April 1970
SL 106-2 Buck Mountain Carbon County	(General Construction) Layne-New York Company 1250 W. Elizabeth Avenue Linden, New Jersey	40,025.00	40,025.00	5 Million	March 1969	April 1970
SL 106-3 Swamp Creek Elk County	(General Construction) Penoyer Contracting Co. 1216 S. Second Street Clearfield, Pennsylvania	53,854.50	53,854.50	10 Million	Sept. 1968	Oct. 1970
SL 106-3-1 Swamp Creek Elk County	(Access Road) Frank Ross, Jr. Eau Claire, Pennsylvania	16,875.00	16,875.00	--	--	--
SL 107-1-1 Ernest Mine Complex Indiana County	(Engineering) L. Robert Kimball 615 West Highland Avenue Ebensburg, PA	452,923.74	452,923.74	--	--	--
SL 107-5-3 Ernest Mine Complex Indiana County	(General Construction) Frank L. Black, Jr., Inc R. D. #1, Box 42 Carlisle, PA 17013	3,875,055.43	3,875,055.43	4.5 Million	July 1975	Oct. 1978
SL 112 Rausch Creek Watershed Schuylkill County	(Engineering) Anthracite Research and Development Co. 105 W. Broad Street Tamaqua, PA	341,601.74	341,601.74	--	--	--
SL 112-1 Rausch Creek Watershed Schuylkill County	(General Construction) Christopher Construction Co. 3150 Valley View Drive Columbus, Ohio 43204	1,600,332.46	1,600,332.46	10 Million	Sept. 1970	April 1974
SL 112-1 Force Account Work Rausch Creek Watershed Schuylkill County	Christopher Construction Co. 3150 Valley View Drive Columbus, Ohio	360,158.53	360,158.53	--	--	--
		Paid from General Fund				
SL 112-2 Rausch Creek Watershed Schuylkill County	(Electrical) Medlar Electric Co. 201 Fourth Street Port Carbon, PA	162,206.06	162,206.06	--	--	--
SL 112-2 Force Account Work Rausch Creek Watershed Schuylkill County	Medlar Electric Co. 201 Fourth Street Port Carbon, PA	16,555.44	16,555.44	--	--	--
		Paid from General Fund				
SL 112-6 Rausch Creek	(Construction) J. Robert Bayley, Inc.	44,605.22	44,605.22	--	--	--
SL 112-8 Rausch Creek	(Construction) A. Genovese, Inc.	275,600.12	275,600.12	--	--	--
SL 112-16-101.1 Rausch Creek Schuylkill County	A. T. Consoli, Inc. Chester & Lehigh Streets Reading, PA 19601	93,683.90	93,683.90	--	--	--



<u>Project Number and Location</u>	<u>Engineer/Contractor</u>	<u>Contract Amount</u>	<u>Cost to Date</u>	<u>Capacity in Gallons</u>	<u>Date Started</u>	<u>Plant Placed in Operation</u>
SL 112-16-101.2 Rausch Creek Schuylkill County	Pa. Power & Light Co. 2 N. 9th Street Allentown, PA 18101	\$ 2,033.00	\$ 2,033.00	--	--	--
SL 112-18-101.1 Rausch Creek Schuylkill County	(Heating & Ventilation) Marlin Electric	15,655.00	15,655.00	--	--	--
SL 112-19-101.2 Rausch Creek Schuylkill County	(Design) Gannett, Fleming, Corddry & Carpenter, Inc.	68,361.38	68,361.38	--	--	--
SL 112-19-101.11 Rausch Creek Schuylkill County	Hepco Material & Construction, Inc. P. O. Box 275 Selinsgrove, PA	552,180.78	552,180.78	--	--	--
SL 112-19-101.12 Rausch Creek Schuylkill County	Steve Black, Inc 1416 Trindle Road Carlisle, PA	8,884.00	8,795.16	--	--	--
SL 112-19-101.13 Rausch Creek Schuylkill County	Eshenaurs, Inc. 2838 Booser Avenue P. O. Box 1498 Harrisburg, PA	13,440.00	13,440.000	--	--	--
SL 112-19-101.14 Rausch Creek Schuylkill County	Garden Spot Electric, Inc. 31 West Millport Road Lititz, PA	54,964.43	53,964.43	--	--	--
SL 114 Smith Township Washington County	(Engineering) The Chester Engineers 601 Suismon Street Pittsburgh, PA	66,630.16	66,630.16	--	--	--
SL 114-1 Smith Township Washington County	(General Construction) Pitt Construction Company 1235 Washington Blvd. Pittsburgh, PA	576,993.00	576,993.00	500 Thousand	--	April 1971
SL 114-2 Smith Township Washington County	(Heating & Ventilating) Pitt Construction Company 1235 Washington Blvd. Pittsburgh, PA	6,539.00	6,539.00	--	--	--
SL 114-3 Smith Township Washington County	(Electrical Work) David W. Jones Charleroi, PA	48,718.00	48,718.00	--	--	--
SL 116 Altoona Blair County	(Engineering) Gwin, Dobson & Foreman, Inc. 1126 Eighth Avenue Altoona, PA	168,917.44	168,917.44	--	--	--
SL 116-1 Altoona Blair County	(Core Borings) Raymond Concrete Pile P.O. Box 9367 Pittsburgh, PA	3,142.96	3,142.96	--	--	--
SL 116-2 Altoona Blair County	(Access Road) Gordon L. DeLozier, Inc. Newry, PA	288,067.50	288,067.50	--	--	--
SL 116-3 Altoona Blair County	(General Construction) The Rust Engineering Co. 930 Fort Duquesne Blvd. Pittsburgh, PA	4,277,158.40	4,277,158.40	15 Million	April 1971	Jan. 1975
SL 116-4 Altoona Blair County	(Electrical) Electrical Contractors Assoc., Inc. 3108 Pleasant Valley Blvd. Altoona, PA	337,243.00	337,243.00	--	--	--
SL 117 Hawk Run Clearfield County	(Engineering) Burns and Roe, Inc. 700 Kinderkamock Road Cradell, New Jersey	367,034.04	367,034.04	--	--	--
SL 117-1 Hawk Run Clearfield County	(General Construction) Swindell-Dressler Company 441 Smithfield Street Pittsburgh, PA	2,161,579.29	2,161,579.29	500 Thousand	Dec. 1970	Feb. 1973

<u>Project Number and Location</u>	<u>Engineer/Contractor</u>	<u>Contract Amount</u>	<u>Cost to Date</u>	<u>Capacity in Gallons</u>	<u>Date Started</u>	<u>Plant Placed in Operation</u>
SL 117-2 Hawk Run Clearfield County	(Electrical) Electrical Contractors Assoc., Inc. 3108 Pleasant Valley Blvd. Altoona, PA	\$ 167,446.00	\$ 167,446.00	--	--	--
SL 117-7-101.1 Hawk Run Clearfield County	Plant Dismantling Project J. C. Carlin Contracting, Inc. Box 67 Houtzdale, PA	17,177.44	17,177.44			
SL 139-1-5-201.1 Aylesworth Creek Watershed Lackawanna County	The Milnes Company, Inc. Box 520 195 N. Bridge Street Tunkhannock, PA 18657	344,519.10	344,519.10			
SL 142-1 Pigeon Creek Carroll Township Washington County	(General Construction) Alex E. Paris Construction Co. Atlasburg, PA	53,187.48	53,187.48	1.15 Million	Oct. 1969	Sept. 1970
SL 198-2 Wildwood Hampton Township Allegheny County	(General Construction) Frank Gaulick & Sons 721-C Main Street Bentleyville, PA	214,884.00	214,884.00	1.15 Million	April 1974	Oct. 1974

## SUMMARY

<u>Treatment Plant</u>	<u>Contract Amount</u>	<u>Cost to Date*</u>
Altoona	\$ 5,074,529.30	\$ 5,074,529.30
Aylesworth Creek Watershed	344,519.10	344,519.10
Buck Mountain	40,025.00	40,025.00
Ernest Mine Complex	4,327,979.17	4,327,979.17
Hawk Run	2,713,236.77	2,713,236.77
Pigeon Creek	53,187.48	53,187.48
Rausch Creek	3,555,297.63**	3,555,297.63**
Sandy Run	48,516.80	48,516.80
Slippery Rock Creek	804,845.86	804,845.86
Smith Township	698,880.16	698,880.16
Swamp Creek	70,729.50	70,729.50
Wildwood	214,884.00	214,884.00
	<u>\$ 17,946,630.77</u>	<u>\$ 17,946,630.77</u>

\* Includes Engineering and Construction Costs

\*\* \$376,713.97 from General Fund as detailed

## PROJECT REPORT BY COUNTY

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>ALLEGHENY COUNTY</b>					
<b>STREAM POLLUTION</b>					
ASL 301 *	Penn Hills Township	ARDP #38	\$ 85,496.00	\$ 85,496.00	\$ -0-
ASL 303 *	Boroughs of Plum and Monroeville	ARDP #17	16,406.00	16,406.00	-0-
ASL 305*	Moon Township	ARDP #28	118,070.00	118,070.00	-0-
ASL 306 *	Ken Ridge Drive Kennedy Township	ARDP #33	23,712.00	23,712.00	-0-
ASL 311 *	West Mifflin	ARDP #13	49,048.00	49,048.00	-0-
ASL 314 *	Delwar Road West Mifflin	ARDP #29	54,658.00	54,658.00	-0-
SL 102	Chartiers Creek	Survey to recommend pollution abatement measures needed and determine costs	67,262.50 702.25 Credit	66,560.25	-0-
SL 102-1	Fishing Run	Pollution Abatement	13,880.00	13,880.00	-0-
SL 102-1-1	Chartiers Creek	Fishing Run - Acid Mine Drainage Project Reconstruction of stream channel and diversion of drainage away from abandoned mine openings	65,400.00 263.50 Credit	65,136.50	-0-
SL 102-2	Robinson and Thoms Run	Reconstruction of stream channels	11,492.70 6,733.80 Amendment 2,001.00 Amendment	20,227.50	-0-
SL 102-2-1	North Branch Robinson Run	Provide drainage channels Quick Start 2 and 22	22,600.00 2,900.00 C. O. #1 6,445.50 C. O. #2	31,945.50	-0-
SL 102-2-2	Chartiers Creek Watershed	Collier Township Project Area No. 3 - Restore natural water to ground surface	23,200.00 600.00 C. O. #1	23,800.00	-0-
SL 102-3	10 Quick Start Projects	Pollution Abatement	43,208.00 2,247.30 Amendment	45,455.30	-0-
SL 102-3-1	Chartiers Creek N. Fayette Township	Project Area No. 4 Abate mine acid drainage	62,800.00 543.35 C. O. #1 876.00 C. O. #2	64,219.35	-0-
SL 102-3-3	Chartiers Creek	Project Areas No. 8, 9 & 10 Abate Acid Mine Drainage	34,200.00 240.00 C. O. #1	34,440.00	-0-
SL 102-3-4	Chartiers Creek	Engineering design for abatement facilities Miller's and Campbell's Run	64,547.00 4,756.77 Credit	59,790.23	-0-
SL 102-3-6	Chartiers Creek Robinson Township	Project Area No. 19	131,650.00 6,172.87 C. O. #1 (Credit) 7,100.00 C. O. #3 7,500.00 C. O. #4 1,365.00 C. O. #5	141,442.13	-0-
SL 102-7	Chartiers Creek Watershed	Mine Drainage Pollution Abatement	92,320.50 8,619.50 Amendment 1,500.00 Amendment 10,871.54 Amendment (Credit)	91,568.46	-0-
SL 102-7-14	Chartiers Creek	Abatement Areas Nos. 14 and 17	185,977.50 175.00 C. O. #1 42,958.00 C. O. #2 1,460.80 C. O. #3 20,699.00 C. O. #5 (Credit) 1,305.50 C. O. #6	211,177.80	\$ -0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 102-7-15	Chartiers Creek	Abatement Area No. 15	\$ 63,502.50 2,250.00 C. O. #1 2,100.00 C. O. #2 950.00 C. O. #4 10.00 C. O. #6 (Credit)	\$ 68,792.50	\$ -0-
SL 102-7-16	Chartiers Creek	Abatement Area No. 16	40,099.50 6,750.00 C. O. #1 6,075.00 C. O. #3 2,497.50 C. O. #4 (Credit)	50,427.00	-0-
SL 102-7-20	Chartiers Creek	Abatement Area No. 20	21,879.00 4,700.00 C. O. #1 2,300.00 C. O. #3 1,062.50 C. O. #4 (Credit)	27,816.50	-0-
SL 102-7-21	Project Area No. 21 Chartiers Creek	Mine Drainage Pollution Abatement	132,825.00 3,115.00 C. O. #4	135,940.00	-0-
SL 103	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs.	6,250.00	6,250.00	-0-
SL 103-2	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs.	72,515.75 11,212.90 (Credit)	61,302.85	-0-
SL 104-3-78	Wildwood AMD Plant	Electrical Maintenance	374.09	374.09	-0-
SL 104-3-80	Wildwood AMD Plant	Electrical Maintenance	1,706.00 1,306.41 Credit	399.59	-0-
SL 104-3-82	Wildwood AMD Plant	Electrical Maintenance	1,500.00 1,500.00 Credit	-0-	-0-
SL 104-4-78	Wildwood AMD Plant	Mechanical Maintenance	1,858.17 590.05 Credit	1,268.12	-0-
SL 104-4-80	Wildwood Treatment Plant	Mechanical Maintenance	1,000.00 1,000.00 Credit	-0-	-0-
SL 104-4-81	Wildwood AMD Plant	Mechanical Maintenance	1,270.00 1,000.00 C. O. #1 1,000.00 C. O. #3 2,671.43 Credit	598.57	-0-
SL 123	Saw Mill Run Watershed City of Pittsburgh	Mine Drainage Abatement Study	10,000.00 402.20 Credit	9,597.80	-0-
SL 130-7	Raccoon Creek	Watershed Study	45,733.33 4,833.33 Amendment (Credit) 81.60 Credit	40,818.40	-0-
SL 130-8*	Raccoon Creek	Demonstration Study	30,529.66 2,854.60 Amendment 2,135.87 Amendment	35,520.13	-0-
SL 140	Chalfant Run Churchill Borough	Mine Drainage Abatement Study	15,740.00	15,740.00	-0-
SL 146-2	Turtle Creek Valley	Exploratory Drilling	3,140.00 337.50 C. O. #1	3,477.50	-0-
SL 157	Piersons Run	Pollution Abatement Study	15,258.00 6,898.59 Amendment (Credit)	8,359.41	-0-
SL 157-1- 101.11	Piersons Run	General Construction	-0-	-0-	-0-
SL 157-1- 101.12	Piersons Run	Heating, Ventilating and Electrical	-0-	-0-	-0-
SL 157-1- 101.13	Piersons Run	Mechanical and Plumbing	-0-	-0-	-0-
SL 162-1	Moon Run Watershed	Watershed Study	35,892.00 3,214.41 Amendment 2,507.68 Amendment (Credit) 1,901.11 Credit	34,697.62	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 198	Pine Creek Hampton Township	Site evaluation and design for Wildwood Mine Complex Dept. of Environmental Resources	\$ -0-	\$ -0-	\$ -0-
SL 198-1	Pine Creek Hampton Township	Borehole Plugging	9,750.00 2,987.50 C. O. #1 (Credit)	6,762.50	-0-
SL 198-2	Wildwood Treatment Plant, Hampton Twp.	Mine Drainage Treatment Facility	202,445.00 12,575.00 C. O. #1 136.00 C. O. #3 (Credit)	214,884.00	-0-
SL 198-2-76	Wildwood Treatment Plant, Hampton Twp.	Acid Mine Drainage Facility	17,750.00	17,750.00	-0-
SL 198-2-78	Wildwood Treatment Plant, Hampton Twp.	Cleaning of Lagoon	28,300.00	28,300.00	-0-
SL 198-2-82	Wildwood Treatment Plant	Cleaning Lagoon	39,000.00	39,000.00	-0-
TOTALS			<u>\$ 2,025,109.60</u>	<u>\$ 2,025,109.60</u>	<u>\$ -0-</u>
<i>AIR POLLUTION</i>					
SL 209	N. Fayette Township	Sanitary Landfill Fire	\$ 1,980.00 500.00 Credit	\$ 1,480.00	\$ -0-
SL 212	W. Mifflin Borough	Streets Run Road	8,100.00 4,625.00 C. O. #1 7.32 Credit	12,717.68	-0-
TOTALS			<u>\$ 14,197.68</u>	<u>\$ 14,197.68</u>	<u>\$ -0-</u>
<i>UNDERGROUND MINE FIRES</i>					
SL 308	Jefferson Borough	Subsurface Mine Fire	\$ 40,600.00 43,464.00 Amendment 4,444.00 Amendment (Credit)	\$ 79,620.00	\$ -0-
SL 308-1	Jefferson Borough	Subsurface Mine Fire	37,989.40	37,989.40	-0-
SL 311	Plum Borough	Subsurface Mine Fire	8,000.00 810.00 Amendment (Credit)	7,190.00	-0-
SL 313	N. Fayette Township	Subsurface Mine Fire Crown Road	24,940.00 5,229.75 C.O. #1	30,169.75	-0-
SL 321	City of Pittsburgh	Calvary Church Mine Fire	44,550.00 16,754.95 C.O. #1 (Credit)	27,795.05	-0-
SL 325	Ligonier Township	Subsurface Mine Fire	10,614.98	10,614.98	-0-
SL 332	Baldwin Borough	Control of Underground Mine Fire - Construction	191,036.75 22,523.47 C.O. #1 (Credit)	168,513.28	-0-
SL 339-101.1	Penn Hills Township	Catherine Paluselli Mine Fire	18,120.00 5,617.50 C.O. #1	23,737.50	-0-
SL 342-2-101.5	Jefferson Borough	Exploratory Drilling - Large Area	7,771.25 2,950.25 C.O. #1 (Credit)	4,821.00	-0-
SL 342-2-101.5	Jefferson Borough	Exploratory Drilling	7,830.00 9,259.10 C.O. #1	17,089.10	-0-
SL 343-101.1	Boyce Park	Equipment Rental	26,170.00 2,005.00 C.O. #1	28,175.00	-0-
SL 343-101.5	Boyce Park	Subsurface Investigation	4,815.00 1,072.50 C.O. #1 (Credit)	3,742.50	-0-
SL 343-102.1	Plum Borough	Restore area disturbed by extinguished underground fire	2,625.00	2,625.00	-0-
TOTALS			<u>\$ 442,082.56</u>	<u>\$ 442,082.56</u>	<u>\$ -0-</u>

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>MINE SUBSIDENCE</b>					
SL 402	N. Fayette Township	Exploratory work for the control of surface movement and subsidence in the Glen Gormley Plat	\$ 35,000.00 9,059.31 2,685.47	\$ 28,626.16 Amendment (Credit) Amendment	\$ -0-
SL 404	W. Mifflin Borough	Exploratory Work Drilling Boreholes.	3,540.00 1,378.70	Credit 2,161.30	-0-
SL 404-1	W. Mifflin Borough	Drilling Boreholes	43,680.00 26,609.54 5,286.88	Amendment (Credit) Amendment	-0-
SL 404-2	W. Mifflin Borough	Livingston Road Subsidence	16,890.00 10,875.00	C.O. #1 27,765.00	-0-
SL 404-3	W. Mifflin Borough	Subsidence	5,795.00 2,405.87	Credit 3,389.13	-0-
SL 408	Natrona Heights	Exploratory Work Drilling Boreholes	34,464.00 12,112.80 7,591.28	C.O. #1 Credit	-0-
SL 408-1	Natrona Heights	Princeton Avenue Fly-Ash Injection	56,820.00 27,221.56	Credit 29,598.44	-0-
SL 408-2	Harrison Township	Princeton Avenue Exploratory Drilling	134,420.00 4,000.00 97,795.57	Amendment Credit	-0-
SL 408-3	Harrison Township	Surface Subsidence	143,190.00 70,638.27	C.O. #1 (Credit)	-0-
SL 413	S. Park Township Broughton	Surface Subsidence Exploratory Drilling	6,785.00 911.00	Credit 5,874.00	-0-
SL 413-1	S. Park Township	Surface Subsidence Pittsburgh Coal Seam	85,300.00 43,723.66	C.O. #1 (Credit)	-0-
SL 413-2	S. Park Township	Surface Subsidence Pittsburgh Coal Seam	10,800.00 2,287.18	C.O. #1 (Credit)	-0-
SL 422	Pittsburgh Coal Seam	Fly Ash Injection	119,610.00 49,177.02	Credit 70,432.98	-0-
SL 422-1	Brookline	Subsidence	57,240.00 19,264.35	C.O. #1 (Credit)	-0-
SL 423	Borough of Pleasant Hills	Cavan Area Subsidence	22,468.00 547.10	C.O. #1 (Credit)	-0-
SL 423-1A	Tara Drive Pleasant Hills	Fly Ash Injection Pittsburgh Coal Seam	28,400.00 3,129.34	C.O. #1 (Credit)	-0-
SL 423-2-101.5	Pleasant Hills Borough	Core Boring Subsurface Investigation	18,463.00 2,680.00	C.O. #1 (Credit)	-0-
SL 426	Pittsburgh	Subsidence	29,860.00 8,541.35	C.O. #1 (Credit)	-0-
SL 431	Penn Hills Township	Subsidence	27,782.50 939.62	C.O. #1 (Credit)	-0-
SL 433	Pittsburgh Coal Seam	Subsidence	9,750.00 2,942.00	C.O. #1 (Credit)	-0-
SL 436	Matera Street City of Pittsburgh	Mine Subsidence	21,500.00 10,527.27	C.O. #1 (Credit)	-0-
SL 441	Banksville and Potomac Roads	Mine Subsidence Control	52,976.00 13,491.00 16,469.82	C.O. #1 C.O. #2 (Credit)	-0-
SL 445	Borough of Carnegie	Mine Subsidence	55,060.00 6,400.00 6,054.88	C.O. #1 C.O. #2 (Credit)	-0-
SL 450-1	Borough of Port Vue	Exploratory Drilling	4,416.00 99.50	C.O. #1 (Credit)	-0-
SL 450-2	Borough of Port Vue	Earth Movement Stabilization Study	11,127.38 2,856.05	Credit	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE</i> (continued)					
\$ SL 450-2-101.5	Borough of Port Vue	Exploratory Drilling	\$ 7,535.00 406.70 C.O. #1	\$ 7,941.70	\$ -0-
SL 450-3-101.1	Borough of Port Vue	Mine Subsidence Control	62,290.00 4,045.22 C.O. #1 (Credit)	58,244.78	-0-
SL 450-3-102.5	Borough of Port Vue	Subsurface Investigation	6,043.25 953.45 C.O. #1 (Credit)	5,089.80	-0-
SL 453	Borough of Brentwood	Exploratory Drilling	5,730.00 1,177.50 C.O. #1	6,907.50	-0-
SL 453-1A	Borough of Brentwood	Mine Subsidence Control	76,600.00 7,389.44 C.O. #1 (Credit)	69,210.56	-0-
SL 454	Bairdford School West Deer Township	Exploratory Drilling	5,302.50 274.00 C.O. #1	5,576.50	-0-
SL 455	Birdville School Natrona Heights	Exploratory Drilling	13,910.00 92.30 C.O. #1	14,002.30	-0-
SL 455-101.2	Natrona Heights	Subsidence Prediction	92,846.00 872.46 Credit	91,973.54	-0-
SL 455-102.5	Natrona Heights	Exploratory Drilling	30,545.00 1,424.25 C.O. #1 (Credit)	29,120.75	-0-
SL 456-1	Baldwin Township	Exploratory Drilling	2,980.00 120.25 C.O. #1 (Credit)	2,859.75	-0-
SL 456-2	Baldwin Township	Subsidence Control	47,885.00 18,220.00 C.O. #1 6,465.50 C.O. #3 (Credit)	59,639.50	-0-
SL 460	Penn Hills Township	Subsidence Control	22,262.00 1,077.94 C.O. #1 (Credit)	21,184.06	-0-
SL 461-1	Borough of Monroeville	Core Boring Subsurface Investigation	1,881.00 222.00 C.O. #1 (Credit)	1,659.00	-0-
SL 461-1-101.1	Borough of Monroeville	Subsidence Control	34,086.50 3,868.45 C.O. #1	37,954.95	-0-
SL 461-1-101.5	Borough of Monroeville	Subsurface Investigation	7,799.11 100.48 C.O. #1 (Credit)	7,698.63	-0-
SL 461-2-101.1	Borough of Monroeville	Subsidence Control	36,568.50 10,336.58 C.O. #1	46,905.08	-0-
SL 461-2-101.5	Borough of Monroeville	Subsurface Investigation	9,884.00 486.40 C.O. #1	10,370.40	-0-
SL 462	Pennhurst Drive Elizabeth Township	Subsidence Control	83,461.00 3,880.52 C.O. #2 (Credit)	79,580.48	-0-
SL 471-101.1	Borough of Lincoln	Subsidence Control	22,180.00 5,141.88 C.O. #1 (Credit)	17,038.12	-0-
SL 474-101.5	McDonald	Exploratory Drilling	7,950.00 2,038.30 C.O. #1 (Credit)	5,911.70	-0-
SL 474-102.5	Borough of McDonald	Core Boring Subsurface Investigation	1,806.63 397.49 C.O. #1 (Credit)	1,409.14	-0-
SL 481-101.1	Churchill Borough	Subsidence	29,886.50 28,787.50 C.O. #1 (Credit)	1,099.00	-0-
SL 481-1-201.5	Churchill Borough	Core Boring	2,185.00 90.00 C.O. #1 (Credit)	2,095.00	-0-
SL 494-101.1	Pittsburgh	Flushing Mine Voids	39,854.30 2,222.27 C.O. #1 (Credit)	37,632.03	-0-
SL 498-101.5	City of Pittsburgh	Subsurface Investigation	16,570.40 4,038.57 C.O. #1 (Credit)	12,531.83	-0-
SL 499-101.5	Duquesne	Exploratory Drilling	11,195.95 960.04 C.O. #1 (Credit)	10,235.91	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE (continued)</i>					
ASP-21*	Harrison Township	Subsidence	\$ 265,117.50 313,500.00 C.O. #1 67,280.50 C.O. #2 19,103.25 Credit 9,022.37 C.O. #4	\$ 635,817.12	\$ -0-
		TOTALS	\$ 1,967,026.92	\$ 1,967,026.92	\$ -0-
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - MINE SUBSIDENCE</i>					
		TOTALS	\$ 4,448,416.76	\$ 4,448,416.76	\$ -0-

**ARMSTRONG COUNTY****STREAM POLLUTION**

SL 107-7	Keystone Lake	Plum Run Pollution Abatement	\$ 92,549.00 3,585.76 Credit	\$ 88,963.24	\$ -0-
SL 107-7-101.5	Plum Creek Watershed	Subsurface Investigation	9,161.00 271.95 C.O. #1	9,432.95	-0-
SL 159	Cowanshannock Creek	Acid Mine Drainage Pollution Abatement	59,066.00 53,850.00 Amendment 16.30 Credit	112,899.70	-0-
		TOTALS	\$ 211,295.89	\$ 211,295.89	\$ -0-

**MINE SUBSIDENCE**

SL 472-101.1	Borough of Leechburg	Subsidence Control	\$ 85,085.00 15,753.50 C.O. #1	\$ 100,838.50	\$ -0-
SL 472-101.5	Borough of Leechburg	Core Boring	7,273.00 518.12 C.O. #1 (Credit)	6,754.88	-0-
SL 482-1-101.5	Borough of Apollo	Core Boring	3,455.00 597.75 C.O. #1	4,052.75	-0-
SL 482-2-101.5	Borough of Apollo	Core Boring	1,682.50 225.50 C.O. #1 (Credit)	1,457.00	-0-
		TOTALS	\$ 113,103.13	\$ 113,103.13	\$ -0-

**STREAM POLLUTION -  
MINE SUBSIDENCE**

		TOTALS	\$ 324,399.02	\$ 324,399.02	\$ -0-
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**BEAVER COUNTY****STREAM POLLUTION**

SL 130-7	Racoon Creek	Watershed Study	\$ 45,733.34 4,833.34 Amendment (Credit) 81.61 Credit	\$ 40,818.39	\$ -0-
SL 130-8*	Racoon Creek	Demonstration Project	30,529.67 2,854.60 Amendment 2,135.87 Amendment	35,520.14	-0-
SL 175	Brush Creek County Park	Restoration of Strip Mines	99,164.00 4,034.00 C.O. #1 (Credit)	95,130.00	-0-
		TOTALS	\$ 171,468.53	\$ 171,468.53	\$ -0-

**MINE SUBSIDENCE**

SL 417**	Daugherty Township	Emergency Subsurface Exploration - Crescent Heights - Drilling	\$ 9,394.45	\$ 9,394.45	\$ -0-
SL 417-1**	Daugherty Township	Subsidence	467,850.00	467,850.00	

\* Partial Federal Funding



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE (continued)</i>					
SL 457	Borough of Freedom	Exploratory Drilling	\$ 21,173.00 4,279.25 C.O. #1	\$ 25,452.25	\$ -0-
SL 457-1-101.2	Freedom Borough	Consultant Agreement	282,768.00 69,000.00 Amendment 216,134.67 Credit	135,633.33	
SL 457-1-101.5	Freedom Borough	Exploratory Drilling	54,897.50 6,695.00 C.O. #1 11,139.50 C.O. #2 11,745.93 C.O. #3 1,845.14 C.O. #4	86,323.07	-0-
OSM 4 (510-83)101.1	Freedom Borough and New Sewickley Township	Mine Subsidence Control	1,493,804.00 243.25 C.O. #1 (credit) 270,788.91 C.O. #2 (credit)	1,222,771.84	-0-
TOTALS			\$ 1,947,424.91	\$ 1,947,424.94	\$ -0-
<i>STREAM POLLUTION - MINE SUBSIDENCE</i>			<i>TOTALS</i>	<i>\$ 2,118,893.47</i>	<i>\$ -0-</i>

**BLAIR COUNTY****STREAM POLLUTION**

SL 116	Altoona	Engineering design and Construction of Treatment Plant.	\$ 100,000.00 1,775.67 Amendment 24,178.00 Amendment 45,650.00 Amendment 2,686.23 Credit	\$ 168,917.44	\$ -0-
SL 116-1	Altoona	Core Borings	4,410.00 1,267.04 Credit	3,142.96	-0-
SL 116-2	Altoona	Access road channel relocation and valve assembly pertinent to the proposed treatment plant.	272,000.00 6,300.00 C.O. #1 10,275.00 C.O. #2 507.50 Credit	288,067.50	-0-
SL 116-3	Altoona	Construction	4,025,000.00 29,785.00 C.O. #1 28,259.40 C.O. #2 28,285.00 C.O. #3 3,245.00 C.O. #4 14,292.00 C.O. #5 33,106.00 C.O. #6 59,866.00 C.O. #7 54,670.00 C.O. #8 650.00 C.O. #9	4,277,158.40	-0-
SL 116-4	Altoona	Electrical	272,000.00 23,477.00 C.O. #1 22,877.00 C.O. #2 18,889.00 C.O. #3	337,243.00	-0-
SL 116-5-101.2	Altoona	Acid Mine Drainage Treatment Plant Study	28,710.00 16,441.66 Credit	12,268.34	-0-
SL 119	Hollidaysburg Watershed	Engineering Survey Diversion Ditch	1,497.00	1,497.00	-0-
SL 153	Borough of Bellwood	Strip Mine Reclamation	197,904.00 2,850.00 C.O. #1 1,439.73 Credit	199,314.27	-0-
SL 153-1-101.5	Borough of Bellwood	Subsidence Investigation	5,460.00 980.00 C.O. #1	6,440.00	-0-
SL 153-1-102.5	Borough of Bellwood	Subsidence Investigation	6,870.00 3,020.65 C.O. #1	9,890.65	-0-

\* Partial Federal Funding

\*\* Paid from Special Appropriation - Land Susidence - Beaver County

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 176	Allegheny Portage National Railroad	Sealing and burying of refuse dumps and back- filling Dept. of Environ- mental Resources	\$ -0-	\$ -0-	\$ -0-
SL 176-1A		Seeding	<u>1,617.00</u>	<u>1,617.00</u>	<u>-0-</u>
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 5,305,556.56</u>	<u>\$ 5,305,556.56</u>	<u>\$ -0-</u>

**BUTLER COUNTY****STREAM POLLUTION**

BM 113	Slippery Rock and Little Scrubgrass	Mechanical Maintenance	\$ 1,500.00 478.92 Credit	\$ 1,021.08	\$ -0-
BM 114	Slippery Rock and Little Scrubgrass	Electrical Maintenance	1,500.00 604.11 Credit	895.89	-0-
SL 104	Slippery Rock Creek	Treatment Plant - Design	44,000.00 9,700.00 Amendment 653.59 Credit	53,046.41	-0-
SL 104-1	Slippery Rock Creek	Treatment Plant - General Construction	674,900.00 4,722.00 C.O. #2 9,820.00 C.O. #3 2,613.41 C.O. #4 2,711.72 C.O. #5 3,458.32 C.O. #6 1,000.00 (Credit)	697,225.45	-0-
SL 104-2	Slippery Rock Creek	Treatment Plant Electrical Work Special Purchase Contract	53,667.00 907.00 C.O. #1 335.00	54,574.00 335.00	-0-
SL 104-3	Slippery Rock Creek	Electrical Contract	4,000.00 621.90 Credit	3,378.10	-0-
SL 104-3	Slippery Rock Creek	Electric Power	12,403.62	12,403.62	-0-
SL 104-3-77	Slippery Rock Creek	Electric	1,500.00 406.37 Credit	1,093.63	-0-
SL 104-3-78	Slippery Rock Creek	Electrical Maintenance	2,448.68	2,448.68	-0-
SL 104-3-80	Slippery Rock Creek	Electrical Maintenance	3,867.00 115.51 Credit	3,751.49	-0-
SL 104-3-82	Slippery Rock Creek Watershed	Electrical Maintenance	5,000.00 2,755.20 (Credit)	2,244.80	-0-
SL 104-4-77	Slippery Rock Creek	Maintenance	1,500.00 .05 Credit	1,499.95	-0-
SL 104-4-78	Slippery Rock Creek	Mechanical Maintenance	2,823.91	2,823.91	-0-
SL 104-4-80	Slippery Rock Creek	Mechanical Maintenance	4,500.00 1,096.63 Credit	3,403.37	-0-
SL 104-4-81	Slippery Rock Creek	Mechanical Maintenance	5,000.00 2,500.00 C.O. #1 5,000.00 C.O. #2 8,000.00 C.O. #3 6,440.98 Credit	14,059.02	-0-
SL 105	Moraine State Park	Engineering Study	14,500.00 6,500.00 Amendment	21,000.00	-0-
SL 105-1	Moraine State Park	Strip Mine Reclamation	8,500.00	8,500.00	-0-
SL 105-1	Moraine State Park	Strip Mine Reclamation	109,620.00	109,620.00	-0-
SL 105-1	Moraine State Park	Strip Mine Reclamation	156,900.00	156,900.00	-0-
SL 105-1	Moraine State Park	Strip Mine Reclamation	120,200.00	120,200.00	-0-
SL 105-1A	Moraine State Park	Strip Mine Reclamation (Eastern Area)	8,775.00	8,775.00	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (continued)</i>					
SL 105-1B	Moraine State Park	Strip Mine Reclamation Southwest Area #1	\$ 48,785.00	\$ 48,785.00	\$ -0-
SL 105-2	Moraine State Park	Surface Sealing Engineering Engineering	22,000.00 6,000.00	22,000.00 6,000.00	-0- -0-
SL 105-3	Moraine State Park	Deep Mine Sealing Engineering	867,300.00 245,150.00 240,000.00 827.41	1,351,622.59	-0-
SL 105-3	Moraine State Park	Preparation of Specifications Deep Mine Sealing	6,500.00 38,000	44,500.00	-0-
SL 105-4-101.1	Brady Township Kildoo No. 2 Deep Mine	Acid Mine Drainage Abatement	218,721.50 51,781.59 23,318.91	247,184.18	-0-
SL 105-4-101.5	Muddy Creek Watershed	Subsurface Investigation	6,475.00 1,711.63	8,186.63	-0-
SL 110	Slippery Rock Creek	Survey to recommend pollution abatement measures needed and determine costs	91,035.000 1,275.00	92,310.00	-0-
SL 110-1	Slippery Rock Creek	Design and construction of Mine Drainage Pollution Abatement	70,400.00 21,200.00 5,500.00 5,500.00 8,000.00 5,000.00 89.56	115,510.44	-0-
SL 110-1BD	Slippery Rock Creek	Argentine and Whiskerville Areas	469,400.00 21,049.64	448,350.36	-0-
SL 110-1C	Slippery Rock Creek	Deep Mine Seals and Refuse Burial	165,910.00 5,700.00 25,800.00 10,500.00 35,224.60	172,685.40	-0-
SL 110-1-101.1	Slippery Rock Creek	Equipment Rental	3,200.00	3,200.00	-0-
SL 110-2	Slippery Rock Creek	Acid Mine Drainage North Section of the Moraine State Park Corridor	15,000.00 1,303.96	13,696.04	-0-
SL 110-2A	Slippery Rock Creek	Reclamation and Restoration of Strip Mine Pits	199,942.00 2,750.00	202,692.00	-0-
SL 110-3	Slippery Rock Creek	Keystone Mine Complex Design of hydraulic seals and grout curtains for abatement of mine drainage pollution	60,000.00 12,000.00 10,000.00 9,700.00 28,910.00 10,610.00 1,896.97	129,323.03	-0-
SL 110-3-1	Seaton Creek Watershed	Hydraulic and Grout Curtains	497,950.00 33,000.00 50,993.03	479,956.97	-0-
SL 110-3-101.5	Seaton Creek Watershed	Subsurface Exploration	2,720.00 1,632.00	4,352.00	-0-
SL 110-3-102.1	Venango Township	Construction of Mine Drainage Facilities	9,793.15	9,793.15	-0-
SL 110-3-102.7-78	Venango Township	Cleaning Acid Mine Drainage Facilities	850.00	850.00	-0-
SL 110-3-103.1	Venango Township	Clean 700 feet of pipe	1,070.00	1,070.00	-0-
SL 110-3-4	Seaton Creek Watershed	Area C	105,948.50 1,488.00 11,633.84 2,647.70	121,718.04	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (continued)</i>					
SL 110-3-5A	Seaton Creek Watershed	Drilling and Grouting	\$ 42,619.50 15,720.00 C.O. #1 31,087.50 C.O. #2 2,376.63 C.O. #3	\$ 91,803.63	\$ -0-
SL 110-4	Slippery Rock Creek Watershed	Survey for deep mine sealing and grouting work	178,000.00 1,523.00 Amendment 10,040.00 Amendment 11,500.00 Amendment 7,207.00 Amendment 18,589.30 Credit	189,680.70	-0-
SL 110-4-101.1	Slippery Rock Creek Watershed	Deep Mine Seals for Project Areas A, B, C and D	359,991.50 5,822.50 C.O. #1 3,810.00 C.O. #2 133,513.81 C.O. #3 (Credit) 9,092.33 C.O. #4	245,202.52	-0-
SL 110-4-102.1	Slippery Rock Creek Watershed	Refuse Burial	220,529.00 7,945.20	228,474.20	-0-
SL 110-4-105.1	Slippery Rock Creek Watershed	Refuse Bureau	10,615.00	10,615.00	-0-
SL 110-5	Slippery Rock Creek Watershed	Mine Drainage Pollution Abatement	43,360.00 6,568.75 Amendment 1,500.00 Amendment 4,434.33 Amendment (Credit)	46,994.42	-0-
SL 110-5-2	Slippery Rock Creek Watershed	Areas 7, 8A, B, D, E & F	252,950.00 1,440.00 C.O. #2 51,531.24 C.O. #3 (Credit) 10,387.50 C.O. #4 14,344.29 C.O. #5	227,590.55	-0-
SL 110-5-2R	Slippery Rock Creek Watershed	Area 8B	15,115.00 577.48 C.O. #1 (Credit)	14,537.52	-0-
SL 110-5-3	Slippery Rock Creek Watershed	Areas 14A and 14B	315,076.00 2,036.95 C.O. #1 (Credit) 227.60 C.O. #2	313,266.65	-0-
SL 110-6	Slippery Rock Township	Design of AMD Pollution Abatement. Restoration of Abandoned Coal Processing Plant - Dept. of Environmental Resources	-0-	-0-	-0-
SL 110-6-1	Slippery Rock Township	Restoration of Abandoned Coal Processing Plant	64,591.00 5,350.00 C.O. #2	69,941.00	-0-
SL 110-7	Slippery Rock Creek	Reclamation	28,950.00 4,650.00 Amendment 11,515.00 Amendment	45,115.00	-0-
SL 110-7-101.5	Slippery Rock Creek	Exploratory Drilling Hamilton No. 3 Deep Mine	54,525.00 5,505.50 C.O. #1	60,030.50	-0-
SL 158	Yellow Creek Watershed	Harmony Borough Engineering Survey to determine mine drainage pollution abatement measures required	23,900.00 16,100.00 Amendment 2,500.00 Amendment 2,100.00 Amendment 16,800.00 Amendment 2,000.00 Credit	59,400.00	-0-
SL 158-101.5	Yellow Creek	Test Borings	7,340.00 461.50 C.O. #1 (Credit)	6,878.50	-0-
SL 199	North Branch Bear Creek	Watershed Study - Dept. of Environmental Resources	-0-	-0-	-0-
SL 199-1	North Branch Bear Creek	Well Plugging Design - Dept. Environmental Resources	-0-	-0-	-0-
SL 199-1-1	South Branch Bear Creek	Construction of Well Plugging	5,940.00 545.00 C.O. #1	6,485.00	-0-
SL 1015-102.1	Jennings Environmental Education	Construction of Wetland Treatment Systems	60,383.07 7,107.56 C.O. #1	67,490.63	-0-
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 6,486,491.05</u>	<u>\$ 6,486,491.05</u>	<u>\$ -0-</u>

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>CAMBRIA COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 120	Prince Gallitzin State Park	Backfilling Strip Mines Dept. of Environmental Resources	\$ 30,481.00	\$ 30,481.00	\$ -0-
SL 144	State Game Lands #108 and #184	Investigation with Plans and Specifications for Abatement Measures	15,000.00 2,070.00 .32	17,069.68	-0-
SL 154	Chest Creek	Pollution Abatement	6,233.28	6,233.28	-0-
SL 154-1	Chest Creek	Aeration Facilities Dept. of Environmental Resources	-0-	-0-	-0-
SL 154-3	Chest Creek	Reclamation & Refuse Pile	27,310.00 1,540.00	28,850.00	-0-
SL 155-1	Reade Township	Acid Mine Drainage	30,250.00 6,200.00	36,450.00	-0-
SL 155-3	Muddy Run Watershed	Test Core Borings	13,801.75 1,508.78	12,292.97	-0-
SL 163-2	W. Branch Susquehanna	Treatment Facilities at Watkins Blowout	29,837.50 171,497.36	201,334.86	-0-
SL 163-2A	W. Branch Susquehanna	Bakerton Treatment Plant	165,000.00 23,340.14	141,659.86	-0-
SL 163-5	W. Branch Susquehanna	Watkins Area Rental of Conveyor	6,000.00	6,000.00	-0-
		Chemicals and Labor	825,259.84	825,259.84	-0-
SL 163-7	Elk Run Blacklick Township	Additional construction of Duman Treatment Facilities	50,000.00 20,000.00 20,117.04	49,882.96	-0-
SL 163-7	Elk Run Blacklick Township	Construction necessary to operate facility	400,000.00 120,000.00 150,126.26	670,126.26	-0-
		Court Ordered Payment	1,327,991.18	1,327,991.18	-0-
SL 164-1	Little Conemaugh	Watershed Study	138,200.00 92,568.87	45,631.13	-0-
SL 176	Allegheny Portage National Railroad	Sealing and burying of refuse dumps and backfilling Dept. Environmental Resources	-0-	-0-	-0-
SL 185	Blacklick Creek Watershed	Mine Drainage Survey	90,500.00 363.99 99.98	90,764.01	-0-
SL 185-1-101.1	Blacklick Township	Sealing Mine Opening	13,483.00 2,250.00	11,233.00	-0-
SL 1-73:1-101.7	Moshannon Creek Basin	Stream Pollution Abatement Survey	71,600.00 7,033.33	78,633.33	-0-
SL 1-73:1-102.2	Clearfield Creek	Design - Strip Mine Reclamation	35,725.00 29,020.51	6,704.49	-0-
SL 1-73:1-104.2	Clearfield Creek	Design - Strip Mine Reclamation	47,817.00 40,057.35	7,759.65	-0-
		<b>TOTALS</b>	<b>\$ 3,594,357.50</b>	<b>\$ 3,594,357.50</b>	<b>\$ -0-</b>
<b>MINE SUBSIDENCE</b>					
SL 409	City of Johnstown	Subsurface Subsidence	\$ 198,990.00 211,480.00	\$ 410,470.00	\$ -0-
SL 409-1	City of Johnstown	Completed 12-20-70	10,000.00 2,093.37	7,906.63	-0-
SL 416	Beaverdale Borough	Subsurface Subsidence	44,900.00 1,970.96	42,929.04	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>MINE SUBSIDENCE (Continued)</b>					
SL 418	Barnesboro	Drilling	\$ 12,000.00 5,553.36 C.O. #1 (Credit)	\$ 6,446.64	\$ -0-
SL 443	Portage Township	Mine Subsidence Control	12,300.00 543.40 C.O. #1 (Credit)	11,756.60	-0-
SL 4007-101.5	City of Johnstown	Exploratory Drilling	6,487.50 1,834.10 C.O. #1 (Credit)	4,653.40	-0-
<b>TOTALS</b>			<b>\$ 484,162.31</b>	<b>\$ 484,162.31</b>	<b>\$ -0-</b>
<b>STREAM POLLUTION - MINE SUBSIDENCE</b>			<b>\$ 4,078,519.81</b>	<b>\$ 4,078,519.81</b>	<b>\$ -0-</b>

**CAMERON COUNTY****STREAM POLLUTION**

SL 195	Bennett Branch Watershed	Mine Drainage Survey	\$ 62,535.00 4,799.33 Amendment 2,000 Amendment 1,660.28 Credit	\$ 67,674.05	\$ -0-
<b>STREAM POLLUTION</b>			<b>\$ 67,674.05</b>	<b>\$ 67,674.05</b>	<b>\$ -0-</b>

**CARBON COUNTY****STREAM POLLUTION**

SL 106-2	Buck Mountain	Stream Treatment Plant	\$ 40,025.00	\$ 40,025.00	\$ -0-
SL 112-20-101.1	Buck Mountain Acid Mine Drainage Treatment Plant	Exterior Lime Storage Tank Painting	1,975.00 175.27 C.O. #1	2,150.27	-0-
SL 135	Catawissa Creek	Deep Mine Sealing of Abandoned Audenreid Tunnel and Quakake Tunnel	29,375.00 9,375.00 Credit	20,000.00	-0-
SL 135-5	Catawissa Creek	Clearing of the Quakake Drainage Tunnel	47,950.00 15,000.00 C.O. #2 4,927.51 Credit	58,022.49	-0-
SL 135-8	Quakake Water Level Tunnel	Limestone Barriers	75,803.00 3,850.00 Amendment 30,739.55 Credit	48,913.45	-0-
SL 135-10	Quakake Water Level Tunnel	Limestone Barriers	67,046.00 3,440.20 Amendment 2,080.00 Amendment 24,611.00 Amendment 19,300.00 Amendment 55,000.00 Amendment 995.15 Credit	170,482.05	-0-
SL 135-10-101.1	Quakake Water Level Tunnel	Site Restoration	44,897.00 162.00 C.O. #1	45,059.00	-0-
SL 135-10-102.1	Quakake Water Level Tunnel	Acid Mine Drainage Demonstration Project	281,716.00 51,055.68 C.O. #1 1,586.52 C.O. #2 (Credit)	331,185.16	-0-
<b>STREAM POLLUTION</b>			<b>\$ 715,837.42</b>	<b>\$ 715,837.42</b>	<b>\$ -0-</b>

**CENTRE COUNTY****STREAM POLLUTION**

SL 111	Beech Creek	Survey to recommend pollution abatement measures needed and determine costs.	\$ 182,000.00	\$ 182,000.00	\$ -0-
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<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 111-A	Beech Creek Watershed	Geological Survey U.S. Dept. of Interior	\$ 2,540.00 1,070.00 Amendment	\$ 3,610.00	\$ -0-
SL 111-1	Beech Creek Watershed	Panther Tipple Refuse Pile Sealing	25,700.00 300.00 C.O. #1	26,000.00	-0-
SL 111-1A	Beech Creek Watershed	Geological Survey U.S. Dept. of Interior	3,600.00	3,600.00	-0-
SL 111-2	Beech Creek Watershed	Design of Abatement Facilities	41,250.00 14,262.00 C.O. #1 (Credit)	26,988.00	-0-
SL 111-2- 101.1	Beech Creek Watershed	Areas #5 and #6	76,370.50 4,727.10 C.O. #1 (Credit)	71,643.40	-0-
SL 111-2- 102.1	Beech Creek Watershed	Area #4	83,979.60 3,000.00 C.O. #2 9,566.37 C.O. #3	96,545.97	-0-
SL 111-2- 102.1F*	Beech Creek Watershed	Acid Mine Drainage Remedial Work	8,800.00 8,056.00 C.O. #1 (Credit)	744.00	-0-
SL 111-3	Beech Creek Watershed	Design of Mine Drainage Abatement Facilities	23,390.00 12,414.59 Amendment (Credit) 115.83 Amendment (Credit)	10,859.58	-0-
SL 111-3- 101.1	Beech Creek Watershed	Mine Drainage Pollution Abatement	110,807.50 3,249.60 C.O. #1	114,057.10	-0-
SL 111-3- 202.1F*	Beech Creek Watershed	Remedial Work	13,575.00 97.50 C.O. #1	13,672.50	-0-
SL 111-4	Beech Creek Watershed	Design of Mine Drainage Abatement Facilities	10,961.00 1,819.50 Amendment 4,861.75 Amendment 18.31 Credit	17,623.94	-0-
SL 111-4- 102.1R	Beech Creek Watershed	AMD Remedial Work	2,500.00	2,500.00	-0-
SL 111-4- 101.1	Beech Creek Watershed	Mine Drainage Pollution Abatement	173,101.25 51,750.00 C.O. #1 20,911.24 C.O. #2 8,845.56 C.O. #3	254,608.05	-0-
SL 134	Cold Stream Rush Township	Mine Drainage Abatement	5,287.50	5,287.50	-0-
SL 134-1	Rush Township	Deep Mine Drainage Diversion	18,396.00	18,396.00	-0-
SL 134-2	Rush Township	Deep Mine Drainage	22,717.73 22,005.09 C.O. #1 (Credit)	712.64	-0-
SL 1-73:1- 101.7	Clearfield Creek Watershed	Mine Drainage Pollution Abatement	71,600.00 7,033.34 Amendment	78,633.34	-0-
SL 1-73:1- 103.2	Moshannon Creek	Design - Strip Mine Reclamation	39,928.00 5,616.60 Amendment	10,275.21	-0-
			<u>35,269.39</u> Amendment (Credit)		
		<b>TOTALS</b>	<b>\$ 937,757.23</b>	<b>\$ 937,757.23</b>	<b>\$ -0-</b>
<i>MINE FIRES</i>					
SL 317	Snow Shoe	Mine Fire	\$ 149,355.00 264.15 Credit	\$ 149,090.85	\$ -0-
SL 317-1	Snow Shoe	Mine Fire	63,850.00 10,341.50 C.O. #1	74,191.50	-0-
		<b>TOTALS</b>	<b>\$ 223,282.35</b>	<b>\$ 223,282.35</b>	<b>\$ -0-</b>
<i>STREAM POLLUTION - MINE FIRES</i>					
		<b>TOTALS</b>	<b>\$ 1,161,039.58</b>	<b>\$ 1,161,039.58</b>	<b>\$ -0-</b>

\* Paid from Eloise Flood Funds

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>CLARION COUNTY</b>					
<b>STREAM POLLUTION</b>					
ASWP 16:1 *	Farmington Township	Sealing Abandoned Oil and Gas Wells	\$ 54,570.00 11,900.00 C.O. #1 22,436.35 C.O. #2 (Credit)	\$ 44,033.65	\$ -0-
AWSP 16:2 *	Farmington Township	Sealing Abandoned Oil and Gas Wells	107,850.00 17,750.00 C.O. #1 3,668.50 C.O. #2 (Credit)	121,931.50	-0-
SL 133	Mill Creek	Engineering Survey Dept. of Environmental Resources	-0-	-0-	-0-
SL 133-1	Mill Creek	Well Plugging	31,100.00 3,150.00 C.O. #1 387.86 Credit	33,862.14	-0-
SL 133-4	Mill Creek	Mine Drainage Pollution Abatement	21,740.00 12,070.00 Amendment 9,665.00 Amendment 9,007.62 Credit	34,467.38	-0-
SL 133-4-101.1	Mill Creek Watershed	Reclamation	219,675.00 84,604.29 C.O. #1 (Credit)	135,070.71	-0-
SL 133-5	Mill Creek Watershed	Watershed Study	72,000.00 4,000.00 Amendment 10,000.00 Credit	66,000.00	-0-
SL 165	Farmington Twp. Tom's Run	Spoil Pile Neutralization	87,550.00 79.57 Credit	87,470.43	-0-
SL 165-1	Farmington Township	Preparation of Plans and Specifications for Vegetation Dept. of Environmental Resources - Ebensburg	-0-	-0-	-0-
SL 165-1-101.1	Farmington Township	Vegetation of Strip Mine Spoil	31,500.00 630.00 Credit	30,870.00	-0-
SL 169	Interstate 80	Engineering Survey	6,000.00 2,000.00 Amendment	8,000.00	-0-
SL 169-1		Mine Drainage Abatement	58,700.00 17,134.25 C.O. #1 (Credit)	41,565.75	-0-
SL 191	Toby Creek	Watershed Study	117,400.00 6,778.97 Credit	110,621.03	-0-
SL 191-0-101.5	Toby Creek	Exploratory Drilling	29,677.50 3,015.91 C.O. #1 (Credit)	26,661.59	-0-
SL 191-1	Clarion Creek Watershed	Site Evaluation	14,700.00 800.00 Credit	13,900.00	-0-
SL 191-1-1	Toby Creek	Design - Strip Mine Reclamation	111,750.00 10,640.00 Amendment 45,968.17 Credit	76,421.83	-0-
SL 191-1-101.5	Toby Creek Watershed	Observation Well Installation	8,589.00 1,858.00 C.O. #1 (Credit)	6,731.00	-0-
SL 191-1-102.8	Toby Creek	Monitoring Strip Mine Demonstration Project	11,808.00 1,192.00 Amendment 672.10 Credit	12,327.90	-0-
SL 191-1-201.1	Paint Township	Mine Drainage Pollution Abatement	1,360,892.00 84,117.70 C.O. #1 (Credit) 10,716.10 C.O. #2 (Credit)	1,266,058.20	-0-
SL 191-1-202.1	Toby Creek	Acid Mine Drainage Demonstration Project	255,449.00 30,000.00 C.O. #1 (Credit) 2,709.56 C.O. #2 (Credit)	222,739.44	-0-
SL 192	Piney Creek	Mine Drainage Pollution Abatement	148,500.00 1,700.00 Amendment 15,000.00 Credit	135,200.00	-0-

\* Paid from Eloise Flood Funds



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 192-1	Piney Creek Watershed	Mine Drainage Pollution Abatement	\$ 26,977.50 1,711.00 Amendment 128.48 Credit	\$ 28,560.02	\$ -0-
SL 192-1-101.5	Piney Creek Watershed	Observation Well Installation	6,785.45 3,955.30 C.O. #1	10,740.75	-0-
SL 193	Deer Creek Watershed	Mine Drainage Survey	143,500.00 6,854.13 Credit	136,645.87	-0-
SL 193-1	Knox Township	Prevention Control and elimination of stream pollution from mine drainage	8,715.00	8,715.00	-0-
SL 193-1-1	Deer Creek Watershed	Design - Deep Mine Sealing	27,552.50 5,300.00 Amendment 7,703.50 Amendment (Credit) 439.94 Amendment 365.54 Amendment 1,454.92 Amendment	27,409.40	-0-
SL 193-1-101.1	Deer Creek Watershed	Acid Mine Drainage Abatement	206,657.00 119,331.55 Amendment 54,000.00 Amendment 21,414.00 Credit	358,574.55	-0-
SL 193-1-201.5	Deer Creek Watershed	Subsurface Investigation	9,675.00 2,274.30 C.O. #1 (Credit)	7,400.70	-0-
SL 193-4-101.5	Deer Creek Watershed	Drilling and Sampling and Observation Wells	12,520.00 1,847.00 Credit	10,673.00	-0-
SL 194	Licking Creek Watershed	Mine Drainage Survey	196,500.00 17,002.25 Credit	179,497.75	-0-
SL 194-1	Huey Area	Prevention, control and elimination of stream pollution from mine drainage	12,275.00 800.00 Credit	11,475.00	-0-
SL 1001-1	Cogley Run	Design - Oil Well Sealing and Strip Mine Reclamation	-0-	-0-	-0-
SL 1015-101.1	Canoe Creek Watershed	Construction of Wetland Treatment Systems	41,364.50 994.70 C.O. #1	42,359.20	-0-
TOTALS			\$ 3,295,983.79	\$ 3,295,983.79	\$ -0-

**CLEARFIELD COUNTY**

*STREAM POLLUTION*

BM 115	Hollywood and Swamp Creek	Electrical Maintenance	\$ 1,500.00 542.06 Credit	\$ 957.94	\$ -0-
BM 117	Hawk Run	Mechanical Maintenance	1,500.00 91.06 Credit	1,408.94	-0-
SL 104-3-80	Hawk Run	Electrical Maintenance	1,706.00 1,058.37 Credit	647.63	-0-
SL 104-3-82	Hollywood AMD Treatment Plant	Electrical Maintenance	1,500.00 1,500.00 Credit	-0-	-0-
SL 117	Hawk Run	Engineering Design and Construction of Ion-Exchange Treatment Plant	250,000.00 55,965.00 Amendment 12,000.00 Amendment 44,035.00 Amendment 5,063.26 Amendment 29.22 Credit	367,034.04	-0-
SL 117-1	Hawk Run	Construction	1,898,760.00 26,329.96 C.O. #1 28,264.00 C.O. #2 84,442.00 C.O. #3 48,292.0 C.O. #4 32,515.00 C.O. #5 42,976.33 C.O. #6	2,161,579.29	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 117-1A	Hawk Run	Mine Drainage Treatment Plant	\$ 6,000.00 86.39 Credit	\$ 5,913.61	\$ -0-
SL 117-1B	Hawk Run	Mine Drainage Treatment Plant	7,500.00 3,000.00 Amendment	10,500.00	-0-
SL 117-2	Hawk Run	Electrical	109,000.00 225.00 C.O. #1 (Credit) 20,032.00 C.O. #2 21,727.00 C.O. #3 5,785.00 C.O. #4 11,127.00 C.O. #5	167,446.00	-0-
SL 117-2A	Hawk Run	Electrical Maintenance Mine Drainage Treatment Plant	5,000.00 2,500.00 Amendment 3,679.73 Credit	3,820.27	-0-
SL 117-3	Hawk Run	Instrumentation Maintenance	12,068.00 3,688.96 Credit	8,379.04	-0-
SL 117-4-77	Hawk Run	Electrical Maintenance	2,000.00 35.00 Credit	1,965.00	-0-
SL 117-4-78	Hawk Run	Electrical Maintenance	1,200.20	1,200.20	-0-
SL 117-5-77	Hawk Run	Mechanical Maintenance	2,000.00 1,833.19 Credit	166.81	-0-
SL 117-5-78	Hawk Run	Mechanical Maintenance	546.33	546.33	-0-
SL 117-6-101.1	Hawk Run	Roof Repairs	18,600.00	18,600.00	-0-
SL 117-7-101.1	Hawk Run	Removal of Equipment	15,960.00 1,217.44 C.O. #1	17,177.44	-0-
SL 143	Alder Run	Quick Start Project involving stream channel restoration and watershed surveys	100,900.00	100,900.00	-0-
SL 143-1	Alder Run	Relocate channel including site preparation, diversion of water, excavation, fill, seeding and cleanup	97,000.00 1,690.00 C.O. #1 8,000.00 C.O. #2 1,200.00 C.O. #3	107,890.00	-0-
SL 143-2	Alder Run	Test Borings	10,050.00 2,348.20 Amendment (Credit)	7,701.80	-0-
SL 143-3	Alder Run	Design of remedial measures for abatement of mine drainage pollution. Provide complete engineering services for four (4) Project Areas	14,640.00	14,640.00	-0-
SL 143-3C.1	Alder Run	Project Area No. 4	83,836.50 662.40 C.O. #1 525.41 C.O. #2	85,024.31	-0-
SL 143-4	Alder Run	Design of plans and preparation of technical specification for the construction of mine drainage pollution abatement facilities	156,400.00 11,055.00 Amendment 1,000.00 Amendment 374.07 Credit	168,080.93	-0-
SL 143-7A	Alder Run Watershed	Strip Mine Reclamation	195,206.65 641.92 C.O. #3 (Credit)	194,564.73	-0-
SL 143-7B	Alder Run Watershed	Strip Mine Reclamation	286,878.55 145.67 C.O. #5 (Credit)	286,732.88	-0-
SL 143-8	Alder Run	Reclamation	142,923.00 844.00 C.O. #1 2,660.00 C.O. #4	146,427.00	-0-
SL 155	Muddy Run Watershed	Pollution Abatement Survey	157,500.00 4,700.00 Amendment 1,025.00 Amendment	163,225.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 155-2	Muddy Run	Pollution Abatement	\$ 122,700.00 11,252.96 Credit	\$ 111,447.04	\$ -0-
SL 155-3	Muddy Run Watershed	Test Core Borings	13,801.75 1,508.77 Credit	12,292.98	-0-
SL 155-4	Muddy Run Watershed	Mine Refuse Reclamation	31,500.00	31,500.00	-0-
SL 155-9	Muddy Run Watershed	Design of Strip Mine Reclamation Project Terminated	44,250.00 9,289.00 Amendment (Credit) 7,206.06 Credit	27,754.94	-0-
SL 155-10-101.5	Janesville Dam	Exploratory Drilling and Monitoring Wells	17,822.55 11,590.89 C.O. #1	29,413.44	-0-
SL 163	West Branch Susquehanna River Sterling Mine #6	Treatment of mine discharge Dept. of Environmental Resources	-0-	-0-	-0-
SL 163-1	West Branch Susquehanna River Curwensville	Neutralization of acid mine water Dept. of Environmental Resources	-0-	-0-	-0-
SL 163-3	West Branch Susquehanna River	Outflow from Curwensville Dam Chemicals and Labor	193,500.00 187,372.02	193,500.00 187,372.02	-0- -0-
SL 163-6	West Branch Susquehanna River	Mahaffey Area Emergency Treatment Chemicals and Labor	4,948.13	4,948.13	-0-
SL 173	Mahoning Creek	Engineering Survey Above Big Run	14,485.00 .18 Credit	14,484.82	-0-
SL 195	Bennett Branch Watershed	Mine Drainage Survey	62,535.00 4,799.33 Amendment 2,000.00 Amendment 1,660.28 Credit	67,674.05	-0-
SL 1010-101.1	Village of Munson	Mine Drainage Facility	7,080.00 220.00 Credit	6,860.00	-0-
SL 1-17:1-101.1J	Anderson Creek	Remedial Work - Area No. 16	4,500.00 583.33 C.O. #1 (Credit)	3,916.67	-0-
SL 1-17:1-101.2	Anderson Creek	Design: Mine Drainage Pollution Abatement - Areas Nos. 14, 16, 17 and 24	32,656.00 7,729.40 Amendment (Credit)	24,926.60	-0-
SL 1-17:1-101.6	Anderson Creek	Stream Pollution Abatement Survey	71,214.00 9,000.00 Credit	62,214.00	-0-
SL 1-17:1-201.1	Anderson Creek Watershed	Construction - Acid Mine Drainage, Areas 14, 16, 17 and 24	209,490.00 4,463.42 C.O. #1 31,918.28 C.O. #2 (Credit) 16,750.00 C.O. #4 1,856.03 C.O. #5 (Credit)	196,929.11	-0-
SL 1-73:1-101.2	Clearfield Creek Watershed Jopling Run Lost Run	Mine Drainage Pollution Abatement	65,100.00 17,786.29 Amendment (Credit)	47,313.71	-0-
SL 1-73:1-101.7	Moshannock Creek Basin	Stream Pollution Abatement Survey	71,600.00 7,033.33 Amendment	78,633.33	-0-
SL 1-73:1-102.2	Clearfield Creek	Design - Strip Mine Reclamation	35,725.00 29,020.51 Amendment (Credit)	6,704.49	-0-
OSM 17(037-78)101.5*	Borough of Clearfield	Subsurface Investigation	12,750.00 1,022.80 C.O. #1	13,772.80	-0-
<b>TOTALS</b>			<b>\$ 5,164,187.32</b>	<b>\$ 5,164,187.32</b>	<b>\$ -0-</b>

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>AIR POLLUTION</i>					
SL 213	Village of Ramey	Burning Refuse Pile	\$ 900.00	\$ 900.00	\$ -0-
<i>UNDERGROUND MINE FIRES</i>					
SL 324	Decatur Township	Subsurface Mine Fire	\$ 23,500.00 2,074.28 C.O. #1 (Credit)	\$ 21,425.72	\$ -0-
TOTALS			\$ 21,425.72	\$ 21,425.72	\$ -0-
<i>MINE SUBSIDENCE</i>					
SL 405	Hollywood Tyler	Surface Subsidence	\$ 53,450.00 5,120.88 C.O. #1 8,600.00 C.O. #2	\$ 67,170.88	\$ -0-
SL 492-101.5	Decatur Township	Subsurface Investigation	7,532.00 3,055.05 Credit	4,176.95	-0-
SL 492-302.5	Village of Hudson	Installation of Dual Point Extensometers	17,795.00 2,277.20 C.O. #1 (Credit)	15,517.80	-0-
TOTALS			\$ 86,865.63	\$ 86,865.63	\$ -0-
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - MINE SUBSIDENCE</i>			<i>TOTALS</i>	<i>\$ 5,273,378.67</i>	<i>\$ -0-</i>

**CLINTON COUNTY****STREAM POLLUTION**

EER-130-A**	Crowley Hollow Run Watershed	Consulting Services	\$ 146,245.00 12,000.00 Amendment .04 Credit	\$ 158,244.96	\$ -0-
EER-130-B**	Crowley Hollow	Engineering Study	37,747.00	37,747.00	-0-
SL 115	Kettle Creek	Reclamation and Mine Sealing	67,000.00 9,000.00 Credit	58,000.00	-0-
SL 115-2	Kettle Creek Watershed	Deep Strip Mine Reclamation	28,954.00 4,000.72 Amendment 255.99 Amendment 3,077.70 Credit	30,133.01	-0-
SL 115-2-101.1	Kettle Creek	Acid Mine Drainage Pollution Abatement	324,677.75 9,683.00 C.O. #1 5,000.00 C.O. #2 2,493.30 C.O. #3 2,702.35 C.O. #4	344,556.40	-0-
SL 115-3-101.5	Kettle Creek	Subsurface Exploration	20,971.00 512.97 C.O. #1 (Credit)	20,458.03	-0-
SL 115-3-102.5	Kettle Creek Watershed	Exploratory Drilling	64,035.00 3,129.63 C.O. #1 (Credit)	60,905.37	-0-
SL 125	Williamsport	Operate Mine Drainage Plant	2,500.00 1,337.00 Amendment 340.43 Credit	3,496.57	-0-
SL 125-1	Kettle Creek Watershed	Mine Acid Drainage Treatment	6,000.00 4,148.84 Credit	1,851.16	-0-
SL 125-2	Kettle Creek	Lime Treatment Contract	2,000.00 1,176.00 Credit	824.00	-0-
SL 163-4	West Branch Susquehanna River	Technical and Engineering Services Chemicals and Labor	30,249.45	30,249.45	-0-
TOTALS			\$ 746,465.95	\$ 746,465.95	\$ -0-

\* 100% Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>UNDERGROUND MINE FIRES</b>					
SL 327	Sproul State Park	Subsurface Mine Fire	\$ 9,195.00 <u>1,839.00</u> C.O. #1	\$ 11,034.00	\$ -0-
TOTALS			\$ <u>11,034.00</u>	\$ <u>11,034.00</u>	\$ <u>-0-</u>
<b>STREAM POLLUTION - UNDERGROUND MINE FIRES</b>			\$ <u>757,499.95</u>	\$ <u>757,499.95</u>	\$ <u>-0-</u>
<b>COLUMBIA COUNTY</b>					
<b>STREAM POLLUTION</b>					
ASL 313*	Centralia	ARDP #7	\$ 2,385,587.00	\$ 2,385,587.00	\$ -0-
SL 197	Mahony Creek Watershed	Mine Drainage Survey	54,688.00 <u>12,040.40</u> Credit	42,647.60	-0-
SL 351-201.1	Traffic Route 61	Subsidence Control Project	333,325.00 104,000.00 C.O. #1 76,300.00 C.O. #2 <u>15,036.94</u> C.O. #3 (Credit)	498,588.06	-0-
<b>STREAM POLLUTION</b>			\$ <u>2,926,822.66</u>	\$ <u>2,926,822.66</u>	\$ <u>-0-</u>
<b>DAUPHIN COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 170	Wiconisco Creek	Engineering Survey	\$ 45,417.00 2,725.00 Amendment 16.03 Credit	\$ 48,125.97	\$ -0-
SL 170-1A	Wiconisco and Williams Townships	Strip Mine Reclamation	188,529.00 <u>6,210.43</u> C.O. #1	194,739.43	-0-
SL 170-1A-102.1R	Wiconisco Township	Remedial Work	1,340.00 <u>16.00</u> C.O. #1	1,356.00	-0-
SL 170-2-102.1R	Wiconisco Township	Backfill Subsidized Area	524.00 <u>7.00</u> C.O. #1 (Credit)	517.00	-0-
SL 170-2	Wiconisco Creek Watershed	Abatement Project "B" Strip Mine Reclamation State Game Land #264	221,658.00 <u>6,641.00</u> C.O. #1 (Credit)	215,017.00	-0-
SL 170-3	Wiconisco Creek Watershed	Engineering Survey	2,250.00 <u>159.83</u> (Credit)	2,090.17	-0-
TOTALS			\$ <u>461,845.57</u>	\$ <u>461,845.57</u>	\$ <u>-0-</u>
<b>AIR POLLUTION</b>					
SL 211-A	Williams Township	Refuse Bank Fire	\$ 1,884,395.00 100,480.00 C.O. #1 (Credit) <u>180,338.95</u> C.O. #2 (Credit)	\$ 1,603,576.05	\$ -0-
TOTALS			\$ <u>1,603,576.05</u>	\$ <u>1,603,576.05</u>	\$ <u>-0-</u>
<b>STREAM POLLUTION - AIR POLLUTION</b>			\$ <u>2,065,421.62</u>	\$ <u>2,065,421.62</u>	\$ <u>-0-</u>
<b>ELK COUNTY</b>					
<b>STREAM POLLUTION</b>					
BM 115	Hollywood and Swamp Creek	Electrical Maintenance	\$ 1,500.00 542.07 Credit	\$ 957.93	\$ -0-
BM 116	Swamp Creek	Inspection Services	7,000.00 1,100.00 Credit	5,900.00	-0-
SL 104-3-80	Swamp Creek	Electrical Maintenance	2,388.50 11.18 Credit	2,377.32	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
SL 104-3-82	Swamp Creek	Electrical Maintenance	\$ 2,000.00 2,000.00 Credit	\$ -0-	\$ -0-
SL 104-4-80	Swamp Creek	Mechanical Maintenance	3,000.00 3,000.00 Credit	-0-	-0-
SL 104-4-81	Swamp Creek	Mechanical Maintenance	3,500.00 500.00 C.O. #1 1,000.00 C.O. #3 2,781.73 Credit	2,218.27	-0-
SL 106-3	Swamp Creek	Stream Treatment Plant	47,514.00 3,315.50 C.O. #1 3,025.00 C.O. #2	53,854.50	-0-
SL 106-3-77	Swamp Creek	Electrical Maintenance	3,000.00 1,388.89 Credit	1,611.11	-0-
SL 106-3-78	Swamp Creek	Electrical Maintenance	2,331.58	2,331.58	-0-
SL 106-3A	Swamp Creek	Mine Drainage Treatment Plant	6,000.00 748.00 Credit	5,252.00	-0-
SL 106-3A-77	Swamp Creek	Mechanical Maintenance	7,500.00 866.00 Credit	6,634.00	-0-
SL 106-3A-78	Swamp Creek	Mechanical Maintenance	10,000.00	10,000.00	-0-
SL 106-3-1	Swamp Creek	Access Road	16,585.00 290.00 C.O. #1	16,875.00	-0-
SL 108	E. Branch Clarion River	Survey to recommend pollution abatement measures needed and determine costs	150,100.00	150,100.00	-0-
SL 108-1	E. Branch Clarion River	Quick Start Project Strip Refuse Burial Strip Restoration	26,500.00 12,600.00 Amendment 6,500.00 Amendment 13,439.00 Amendment 1,324.00 Amendment 276.46 Amendment	60,639.46	-0-
SL 108-2	E. Branch Clarion River	Construction of Abatement Facilities	-0-	-0-	-0-
SL 108-2-101.1	E. Branch Clarion River	Reclamation	239,643.00 2,686.00 C.O. #1 800.00 C.O. #2 19,043.15 C.O. #3 5,240.00 C.O. #4 (Credit)	256,932.15	-0-
SL 108-2-101.1R	E. Branch Clarion River	Remedial Work	6,912.50 2,850.00 C.O. #1	9,762.50	-0-
SL 108-2-102.1	E. Branch Clarion River	Reclamation	79,905.00 450.00 C.O. #1	80,355.00	-0-
SL 108-2-103.1	E. Branch Clarion River	Acid Mine Drainage Abatement Project	334,100.00 18,832.00 C.O. #2 2,190.00 C.O. #4	355,122.00	-0-
SL 108-2-104.1	E. Branch Clarion River	Strip Mine Reclamation	133,850.00 9,200.00 C.O. #1 (Credit)	124,650.00	-0-
SL 108-3	E. Branch Clarion River	Design and supervision of construction of mine drainage pollution abatement facilities	17,730.00 6,380.00 Amendment	24,110.00	-0-
SL 108-3-1	E. Branch Clarion River	Reclamation	188,800.00 73,432.30 C.O. #1 (Credit)	115,367.70	-0-
SL 108-3-2	E. Branch Clarion River	Core Borings	8,728.75 933.88 C.O. #1 (Credit)	7,794.87	-0-
SL 108-4	E. Branch Clarion River	Design on Johnson Run Sub-Basin, Strip Mine Reclamation and Coal Refuse Burial	40,199.00 10,189.00 Amendment (Credit)	30,010.00	-0-
SL 108-4-101.1	E. Branch Clarion River	Mine Drainage Pollution Abatement - Johnson Run	299,999.99 11,244.47 Credit	288,755.52	-0-
SL 131-3-101.1	Swamp Creek	Exterior Lime Storage Tank	1,625.00	1,625.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 132	Little Toby Creek	Develop abatement plan for mine complex	\$ 75,450.00	\$ 75,450.00	\$ -0-
SL 132-1A	Little Toby Creek	Strip Mine Reclamation	384,000.00 571.00 C.O. #1	384,571.00	-0-
SL 132-5	Little Toby Creek	Survey and Planning: Acid Mine Drainage Abatement	40,630.00 9,700.00 Amendment 12,830.20 Amendment .06 Credit	63,160.14	-0-
SL 132-5-101.1	Little Toby Creek	Construction: Acid Mine Drainage Abatement	493,160.00 103,400.00 C.O. #1 (Credit) 2,144.00 C.O. #2 28,813.00 C.O. #3 4,673.96 C.O. #4 (Credit) 26,490.00 C.O. #5 (Credit)	389,553.04	-0-
SL 132-5-101.1R	Little Toby Creek	Remedial Work	8,112.50	8,112.50	-0-
SL 132-5-101.2	Little Toby Creek	Design: Acid Mine Drainage	61,175.00 7,783.61 Credit	53,391.39	-0-
SL 132-5-101.5	Little Toby Creek	Subsurface Investigation	71,002.00 2,561.65 C.O. #1 (Credit)	68,440.35	-0-
SL 132-5-102.1	Little Toby Creek	Acid Mine Drainage	84,676.89 15,933.85 C.O. #1	100,610.74	-0-
SL 132-5-104.2	Little Toby Creek	Acid Mine Drainage Sampling	9,800.00 82.10 Credit	9,717.90	-0-
SL 132-5-105.1	Toby Creek	Acid Mine Drainage Abatement	-0-	-0-	-0-
SL 132-5-105.2	Toby Creek	Design	-0-	-0-	-0-
SL 132-5-106.2	Little Toby Creek	Mine Drainage Limestone Treatment Facilities	142,228.00 1,600.00 Amendment 2,659.00 Amendment	101,558.09	-0-
SL 132-5-107.2	Little Toby Creek	Complete Design Work of SL 132-5-106.2	121,754.00	-0-	121,754.00
SL 132-6	Mead Run	Watershed Study Dept. of Environmental Resources	-0-	-0-	-0-
SL 132-6-101.2	Mead Run	Design Dept. of Environmental Resources	-0-	-0-	-0-
SL 132-8-101.1	Kyler Run	Installation of Monitoring Station	-0-	-0-	-0-
SL 161	Elk State Forest	Dents Run Watershed Pollution Abatement	56,390.60 68.00 Credit	56,322.60	-0-
SL 161-101.1	Dents Run Benezette Township	Mine Drainage Pollution Abatement	110,750.00 10,468.25 C.O. #1 (Credit) 1,152.00 C.O. #2 (Credit) 4,321.75 Credit	94,808.00	-0-
SL 177	West Creek	Sealing and burying of Refuse Piles	62,535.00 4,799.34 Amendment 2,000.00 Amendment	69,334.34	-0-
SL 195	Bennett Branch Watershed	Mine Drainage Survey	62,535.00 4,799.33 Amendment 2,000.00 Amendment 1,660.28 Credit	67,674.05	-0-
SL 195-1-101.1	Trout Run Watershed	Mine Drainage Pollution Abatement	341,999.41 3,784.80 C.O. #1 47,320.00 C.O. #3 11,930.14 C.O. #4 3,460.16 C.O. #5 66,306.30 C.O. #6 5,458.00 Credit	469,342.81	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (continued)</i>					
SL 195-1-101.2	Trout Run Watershed	Acid Mine Drainage Pollution Abatement	\$ 26,188.00 2,000.00 Amendment 4,102.00 Amendment 3,400.00 Amendment 1,060.00 Amendment 5,752.56 Amendment 418.93 Amendment <u>1,235.77 Credit</u>	\$ 41,685.72	\$ -0-
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 3,721,048.53</u>	<u>\$ 3,599,294.53</u>	<u>\$121,754.00</u>
<i>FAYETTE COUNTY</i>					
<i>STREAM POLLUTION</i>					
SL 103	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs	\$ 6,250.00	\$ 6,250.00	\$ -0-
SL 103-2	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs	72,515.75 11,212.89 Credit	61,302.86	-0-
SL 103-7-101.1	Dunbar Creek	Acid Mine Drainage Abatement	3,357.00 800.18 C.O. #1	4,157.18	-0-
SL 103-8	Dunbar Creek Watershed	Strip Mine Reclamation	65,000.00 17,221.59 Credit	47,778.41	-0-
SL 103-9-101.5	Dunbar Creek Watershed	Exploratory Drilling	25,595.50 312.01 C.O. #1 (Credit) 112.25 C.O. #2 (Credit)	25,171.24	-0-
SL 103-9-101.6	Glade Run Watershed	Site Evaluation-Acid Mine	62,250.00 13,640.00 Amendment 3,880.00 Amendment 10,275.80 Credit	69,494.20	-0-
SL 103-10-101.6	Glade Run Watershed	Sampling Program	1,400.00 850.00 Credit	550.00	-0-
SL 138	Cucumber Run Ohiopyle State Park	Design of Mine Seals	25,000.00 4,500.00 Amendment 2,575.00 Amendment 1.56 Credit	32,073.44	-0-
SL 138-1	Cucumber Run	Exploratory Excavation	14,895.00 10,000.00 C.O. #1 14,655.00 C.O. #2 156.00 Credit	39,394.00	-0-
SL 138-2	Cucumber Run	Subsurface Exploration	7,667.00 824.50 Credit	6,842.50	-0-
SL 138-3	Cucumber Run Watershed	Design of Abatement Measures	46,600.00 6,880.00 Amendment (Credit) 3,080.00 Amendment 298.67 Amendment (Credit) 2,750.94 Amendment 4,802.00 Amendment 1,920.80 Amendment 4,830.22 Credit	47,144.85	-0-
SL 138-3-101.1	Cucumber Run Watershed	Deep Mine Sealing	854,994.00 14,716.60 C.O. #2 35,893.76 C.O. #3 2,299.31 Credit	903,305.05	-0-
SL 138-3-101.5	Cucumber Run Watershed	Subsurface Investigation	3,200.00 462.50 C.O. #1 (Credit)	2,737.50	-0-
SL 141	Redstone Creek N. Union Township	Pollution Abatement	9,500.00 312.00 Amendment	9,812.00	-0-
SL 141-1	South Union Township	Strip Mine Reclamation	78,257.00	78,257.00	-0-
SL 141-2	Redstone Creek Watershed	Watershed Study including site evaluation of Uniontown Syncline	123,600.00 41,300.00 Amendment 11,950.00 Amendment 15,000.00 Credit	161,850.00	-0-



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (continued)					
SL 186	Georges Creek Watershed	Mine Drainage Survey	\$ 143,500.00 40,400.00 Amendment 23,052.75 Credit	\$ 160,847.25	\$ -0-
SL 186-1	Georges Creek Watershed	Design of Abatement Measures - Strip Mine Reclamation	29,954.00 7,059.23 Amendment (Credit) 3,376.94 Credit	19,517.83	-0-
SL 1015-103.1	Cucumber Run Ohiopyle State Park	Wetland Treatment Systems	69,587.50 6,583.00 C.O. #1 1,368.09 C.O. #2	72,399.50	5,139.09
TOTALS			<u>\$ 1,754,023.90</u>	<u>\$ 1,748,884.81</u>	<u>\$ 5,139.09</u>
<i>UNDERGROUND MINE FIRES</i>					
ASL 304 *	Upper Tyrone Township	ARDP #39	\$ 72,451.00	\$ 72,451.00	\$ -0-
SL 301	Plummer Puritan German Township	Mine Fire	50,862.50	44,962.25	-0-
		Core Borings	5,900.25 Amendment (Credit) 4,694.25	4,694.25	-0-
SL 301	Plummer Puritan German Township	Seeding of Land	3,750.00	3,750.00	-0-
SL 301	Plummer Puritan German Township	Engineering	10,000.00 1,278.89 Credit	8,721.11	-0-
SL 301-1	German Township	Mine Fire	53,920.00 1,179.56 C.O. #1	55,099.56	-0-
SL 302	Phillips	Mine Fire	58,780.00 2,520.00 Amendment (Credit)	56,260.00	-0-
SL 303	Footdale	Mine Fire	30,250.00 3,150.00 C.O. #1 213.75 Credit	33,186.25	-0-
SL 303-1	Footdale	Mine Fire	46,900.00 9,228.34 C.O. #1 (Credit)	37,671.66	-0-
SL 305	Menallen Township	Mine Fire	14,690.00 26.00 Amendment (Credit)	14,664.00	-0-
SL 306	Connellsville	Mine Fire	18,752.00 2,451.53 Amendment (Credit)	16,300.47	-0-
SL 306-1	Connellsville	Mine Fire	70,875.00 33,000.00 Amendment .79 C.O. #1 (Credit)	103,874.21	-0-
SL 306-2	Connellsville	Mine Fire	15,930.00 233.15 C.O. #1 (Credit)	15,696.85	-0-
SL 307	Georges Township	Mine Fire	31,550.00 26.00 Amendment 6,254.00 Amendment (Credit)	25,322.00	-0-
SL 307-1	Georges Township	Core Borings	3,540.00 182.90 Amendment (Credit)	3,357.10	-0-
SL 307-2	Georges Township	Subsurface Mine Fire	45,500.00 2,160.00 C.O. #1 408.78 C.O. #2 (Credit)	47,251.22	-0-
SL 310	Jefferson Township Village of Linn	Mine Fire	15,547.00 3,379.12 Credit	12,167.88	-0-
SL 331	Village of Percy	Control of Underground Mine Fire	54,450.00 6,600.00 C.O. #1 22,800.00 C.O. #2 1,601.12 C.O. #4	85,451.12	-0-
SL 331-1-101.5	Village of Percy	Exploratory Drilling	11,514.00 1,490.20 C.O. #1	13,004.20	-0-
SL 331-1-102.5	Village of Percy	Exploratory Drilling	8,800.00 2,428.00	11,228.00	-0-
SL 335*	Prittstown	Subsurface Mine Fire Control	40,020.00 12,225.00 Amendment 6,869.46 Amendment	59,114.46	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>UNDERGROUND MINE FIRES (Continued)</b>					
SL 345-101.1	South Union Township	Subsurface Mine Fire	\$ 64,200.00 4,631.00 C.O. #1	\$ 68,831.00	\$ -0-
SL 345-101.5	South Union Township	Exploratory Drilling	5,125.00 90.75 C.O. #1 (Credit)	5,034.25	-0-
SL 350-101.5	Georges and German Townships	Exploratory Drilling	7,483.00 2,072.70 C.O. #1 (Credit)	5,410.30	-0-
OSM 26(038-78)101.1**	Village of Percy	Subsurface Mine Fire Control	54,667.25 49,000.00 C.O. #1 6,403.81 Credit	97,263.44	-0-
OSM 26(038-78)101.5	Village of Percy	Exploratory Drilling	4,725.00 288.50 C.O. #1 (Credit)	4,436.50	-0-
<b>TOTALS</b>			<b>\$ 905,203.08</b>	<b>\$ 905,203.08</b>	<b>\$ -0-</b>
<b>MINE SUBSIDENCE</b>					
SL 406	Fairhope Jacobs Drive	Engineering Survey	\$ 1,125.00 197.50 Credit	\$ 927.50	\$ -0-
SL 439	Fairhope	Fly Ash Injection	18,875.00 1,110.28 C.O. #1 (Credit)	17,764.72	-0-
SL 452	Washington Township	Exploratory Drilling	8,900.00 1,457.50 C.O. #1	10,357.50	-0-
SL 452-101.1	Washington Township	Mine Subsidence Control	585,130.50 380,000.00 C.O. #1 29,312.50 C.O. #3 (Credit) 427,604.73 C.O. #4	1,363,422.73	-0-
SL 452-102.2	Washington Township	Design of Grouting Program	44,749.00 15,352.89 Amendment 47,957.75 Amendment 13,692.75 Amendment 8,350.00 Amendment 3,625.17 Amendment	133,727.56	-0-
SL 473-101.5	City of Connellsville	Core Boring	11,030.00 2,277.20 C.O. #1 (Credit)	8,752.80	-0-
SL 488-201.5	Fayette City Borough	Subsurface Investigation	3,170.00 73.00 C.O. #1 (Credit)	3,097.00	-0-
SL 493-101.1	Franklin Township	Flushing	42,837.00 4,818.83 C.O. #1 (Credit)	38,018.17	-0-
SL 4004-101.5	Smithfield Borough	Subsurface Investigation	6,265.00 297.00 C.O. #1 (Credit)	5,968.00	-0-
<b>TOTALS</b>			<b>\$ 1,582,035.98</b>	<b>\$ 1,582,035.98</b>	<b>\$ -0-</b>
<b>STREAM POLLUTION - UNDERGROUND - MINE FIRES - MINE SUBSIDENCE</b>					
<b>TOTALS</b>			<b>\$ 4,163,724.37</b>	<b>\$ 4,163,724.37</b>	<b>\$ -0-</b>
<b>GREENE COUNTY</b>					
<b>AIR POLLUTION</b>					
SL 222	Village of Poland	Extinguishment of Mine Fire	\$ 14,600.00 11,330.00 C.O. #1 (Credit)	\$ 3,270.00	\$ -0-
SL 4005-101.5	Mapletown Jr.-Sr. High School	Subsurface Investigation	21,898.00 4,083.00 C.O. #1 (Credit)	17,815.00	-0-
<b>AIR POLLUTION</b>			<b>\$ 21,085.00</b>	<b>\$ 21,085.00</b>	<b>\$ -0-</b>

\* Partial Federal Funding  
\*\*100% Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>HUNTINGDON COUNTY</i>					
<i>STREAM POLLUTION</i>					
SL 121	Trough Creek	In Stream Neutralization	\$ 10,000.00 1,801.78 Credit	\$ 8,198.22	\$ -0-
SL 121	Trough Creek	Engineering Service	14,000.00 4,000.00 Amendment 880.39 Credit	17,119.61	-0-
SL 121-1*	Trough Creek	Construction of Limestone Barriers	184,450.00 6,820.00 C.O. #1 26,180.00 C.O. #2 323.40 C.O. #3 (Credit)	217,126.60	-0-
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 242,444.43</u>	<u>\$ 242,444.43</u>	<u>\$ -0-</u>

*INDIANA COUNTY  
STREAM POLLUTION*

SL 107-1	Ernest Complex	Design	\$ 36,200.00 5,618.14 Credit	\$ 30,581.86	\$ -0-
SL 107-1A	Ernest Complex	Core Borings	2,906.00 1,156.20 Credit	1,749.80	-0-
SL 107-1-1	Crooked Creek Watershed	Ernest Mine Drainage Treatment Plant	119,000.00 3,600.00 Amendment 48,060.00 Amendment 75,800.00 Amendment 82,606.00 Amendment 26,670.00 Amendment 33,636.00 Amendment 72,965.00 Amendment 9,413.26 Credit	452,923.74	-0-
SL 107-2	Ernest Complex	Design of seals for mine opening and boreholes	16,500.00 20,000.00 Amendment 12,400.00 Amendment	48,900.00	-0-
SL 107-3	Ernest Complex	Core Borings	2,347.50 312.35 C.O. #1 25.00 Credit	2,634.85	-0-
SL 107-4	Ernest Complex	Construction of Mine Seals and Water Diversion System	266,815.00 42,750.00 C.O. #1 27,500.00 C.O. #2 6,400.00 C.O. #3 (Credit) 3,925.00 C.O. #4 800.00 C.O. #5 (Credit) 21,310.49 C.O. #6 (Credit)	312,479.51	-0-
SL 107-4-1	Ernest Complex	Treatment Plant Water Supply Agreement	-0-	-0-	-0-
SL 107-4-2	Ernest Complex	Construction of Wells	23,275.00 14,423.09 C.O. #1 (Credit)	8,851.91	-0-
SL 107-5-3	Ernest Complex	Acid Mine Drainage Treatment Plant	3,740,404.00 6,579.82 C.O. #1 12,917.51 C.O. #2 2,675.20 C.O. #3 10,293.62 C.O. #4 11,162.03 C.O. #5 15,472.65 C.O. #6 20,143.60 C.O. #7 55,407.00 C.O. #8	3,875,055.43	-0-
SL 107-5-3.13-78	Ernest AMD Plant	Mechanical Maintenance	7,000.00 1,173.61 Credit	5,826.39	-0-
SL 107-5-3.13-80	Ernest AMD Plant	Mechanical Maintenance	16,095.50 16,000.00 C.O. #1 27,473.87 Credit	4,616.63	-0-
SL 107-5-3.14-78	Ernest AMD Plant	Electrical Maintenance	4,066.09	4,066.09	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
SL 107-5-3.14-80	Ernest AMD Plant	Electrical Maintenance	\$ 15,584.00 12,000.00 C.O. #1 9,194.80 Credit	\$ 18,389.20	\$ -0-
SL 107-5-3.16-80	Ernest AMD Plant	Instrumentation Maintenance	13,300.00 6,000.00 C.O. #1 4,394.89 Credit	14,905.11	-0-
SL 107-5-4	Ernest AMD Plant	Riprap Protection	23,750.00 475.00 C.O. #1	24,225.00	-0-
SL 107-5-5-101.1	Ernest AMD Plant	Equipment Rental	6,360.00 1,380.00 C.O. #1	7,740.00	-0-
SL 107-5-6-101.5	Ernest AMD Plant	Exploratory Drilling	18,138.00 16,189.00 C.O. #1 750.00 C.O. #2 2,024.84 C.O. #3	37,101.84	-0-
SL 107-6	Crooked Creek	Tanoma Construction Mine Complex Study and Design	61,900.00	61,900.00	-0-
SL 107-6-1	Crooked Creek	Tanoma Borehole Plugging	10,000.00 168.00 C.O. #1	10,168.00	-0-
SL 107-8-101.1	Crooked Creek Watershed	Reclamation of Refuse Pile	-0-	-0-	-0-
SL 107-8-101.2	Crooked Creek Watershed	Reclamation of Refuse Pile	-0-	-0-	-0-
SL 107-8-102.1	Crooked Creek Watershed	Reclamation of Refuse Pile Application of Surfactant	-0-	-0-	-0-
SL 109	Two Lick Creek	Survey to recommend pollution abatement measures needed and determine costs	202,273.00 35,000.00 Amendment 5,366.28 Credit	231,906.72	-0-
SL 109-1	Cherry Hill Township	Buck Run - removal of refuse from stream bed and burial into abandoned strip pit	35,000.00 4,425.44 Credit	30,574.56	-0-
SL 109-1B	Two Lick Creek	Acid Mine Drainage Project Refuse Bank Reclamation	116,540.00 8,350.00 C.O. #1 2,225.00 C.O. #2	127,115.00	-0-
SL 109-1B-101.1J*	Two Lick Creek	Remedial Work - reclamation of refuse bank	121,226.46 8,230.88 C.O. #2 (Credit)	112,995.58	-0-
SL 109-1C	Two Lick Creek	Relocation & reclamation of the Imperial Coal Tipple Refuse Pile	151,625.00 10,809.40 Credit	140,815.60	-0-
SL 109-1C-101.1J*	Two Lick Creek	Acid Mine Drainage - Remedial Work	24,700.00	24,700.00	-0-
SL 109-2	Clymer Borough	Pollution Abatement	22,980.90 9,274.20 C.O. #1	32,255.10	-0-
SL 109-3	Two Lick Creek	Mine Drainage Abatement	78,030.00 23,560.00 Amendment 15,939.88 Credit	85,650.12	-0-
SL 109-3AR-2X	Cherryhill Township	Drilling 25 holes	1,210.00	1,210.00	-0-
SL 109-3-201.5	Two Lick Creek	Subsurface Exploration	28,870.00 10,249.90 C.O. #1 (Credit)	18,620.10	-0-
SL 109-3-3A	Upper Two Lick Creek	Coal Refuse Reclamation	397,258.90 800.00 C.O. #1 3,000.00 C.O. #2 40,000.00 C.O. #5 20,348.95 C.O. #6 (Credit)	420,709.95	-0-
SL 109-3-3AR-2	Upper Two Lick Creek	AMD Clymer #1 and #2	164,340.00 8,782.50 C.O. #1 6,479.05 C.O. #2 (Credit) 18,000.00 C.O. #3	184,643.45	-0-

\* \$86,452.00 from DSR #PA 68-710 Item #ZS-3, 01-35-25-78-8-540-92500

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 127	Hillsdale	Construction of Drainage Facilities	\$ 6,960.00	\$ 6,960.00	\$ -0-
SL 127-1	Grant Township	Engineering and Survey	5,000.00 546.20 Credit	4,453.80	-0-
SL 149	Yellow Creek Park	Abatement Facilities	4,748.00	4,748.00	-0-
SL 149-1	Yellow Creek Park	Brush Valley Township Test borings - Installation of four water observation wells	9,328.00 794.16 Credit	8,533.84	-0-
SL 164	Kiski River Indiana County	Saltsburg Neutralization of Acid Mine Water, Dept. Environmental Resources	-0-	-0-	-0-
SL 182-1	Blacklegs Creek Watershed	Excavation, Sealing and Backfilling, Drainage Channels and Sink Holes	24,968.00 1,740.00 C.O. #1	26,708.00	-0-
SL 182-2-201.1	Big Run	AMD Abatement	59,627.50 5,021.20 C.O. #1	64,648.70	-0-
SL 182-3-101.5	Big Run	Subsurface Exploration	32,288.00 9,200.60 C.O. #1 (Credit)	23,087.40	-0-
SL 185	Blacklick Creek Watershed	Watershed Study	90,500.00 363.98 Amendment 99.98 Credit	90,764.00	-0-
SL 185-1-101.2	Blacklick Creek Watershed	Design - Sealing of Mine Opening - DER	-0-	-0-	-0-
SL 185-2-101	Blacklick Creek	AMD Control	-0-	-0-	-0-
SL 185-2-101.1	West Wheatfield Township	Application of Mine Drainage Control materials - DER	-0-	-0-	-0-
SL 1008-101.5	Commodore Indiana County	Exploratory Drilling	4,412.50 1,680.00 Credit	2,732.50	-0-
		TOTALS	\$ 6,565,947.78	\$ 6,565,947.78	\$ -0-
<i>UNDERGROUND MINE FIRES</i>					
ASL 310*	Iselin	ARDP #37	\$ 69,651.00	\$ 69,651.00	\$ -0-
SL 316	Blairsville Borough	Subsurface Mine Fire	53,250.00 34,125.00 C.O. #1	87,375.00	-0-
		TOTALS	\$ 157,026.00	\$ 157,026.00	\$ -0-
<i>STREAM POLLUTION - UNDERGROUND MINE FIRES</i>					
		TOTALS	\$ 6,722,973.78	\$ 6,722,973.78	\$ -0-

*JEFFERSON COUNTY**STREAM POLLUTION*

SL 132-2	Rattlesnake Creek Jefferson County	Design services for Mine Drainage Pollution Abatement on Watershed	\$ 19,538.00 1,841.00 Amendment 4,520.00 Amendment 9,000.00 Amendment 700.00 Amendment 1,298.99 Credit	\$ 34,300.01	\$ -0-
SL 132-2-102.5	Rattlesnake Creek	Deep Mine Seals and Strip Mine Reclamation	194,735.00 2,249.50 C.O. #1 5,708.00 C.O. #2 .50 C.O. #3 (Credit)	202,692.00	-0-
SL 132-2-101.5	Rattlesnake Creek	Exploratory Drilling	6,160.00 1.55 C.O. #1 (Credit)	6,158.45	-0-
SL 132-2-102.5	Rattlesnake Creek	Exploratory Excavation	700.00 245.00 C.O. #1	945.00	-0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 132-2-103.1	Rattlesnake Creek	Sealing of Mine Drainage Pipe	\$ 7,000.00 400.00 C.O. #1	\$ 7,400.00	\$ -0-
SL 173	Mahoning Creek	Engineering Survey Big Run	14,485.00 .18 Credit	14,484.82	-0-
SL 173-1	Sandy Lick and Mahoning Creek Watershed	Design: Department of Environmental Resources Ebensburg	-0-	-0-	-0-
SL 173-1-1	Sandy Lick and Mahoning Creek Watershed	Construction - Acid Mine Drainage	84,665.00 22,250.00 C.O. #1 1,314.50 Credit	105,600.50	-0-
SL 173-1-1J **	Sandy Lick and Mahoning Creek Watershed	Remedial Work	3,600.00	3,600.00	-0-
TOTALS			\$ 375,180.78	\$ 375,180.78	\$ -0-
<i>UNDERGROUND MINE FIRES</i>					
SL 337-101.5	Reynlow Park	Exploratory Drilling	\$ 3,525.00 567.00 C.O. #1	\$ 4,092.00	\$ -0-
TOTALS			\$ 4,092.00	\$ 4,092.00	\$ -0-
<i>STREAM POLLUTION - UNDERGROUND MINE FIRES</i>			<i>TOTALS</i>	<i>\$ 379,272.78</i>	<i>\$ -0-</i>

## LACKAWANNA COUNTY

### STREAM POLLUTION

SL 129	Jermyn Borough	Stream Pollution Abatement	\$ 19,770.00	\$ 19,770.00	\$ -0-
SL 139	Upper Lackawanna River	Design including Plans and Specifications for gravity discharge	34,100.00 133.33 Amendment 4.43 Credit	34,228.90	-0-
SL 139-1	Lackawanna River	Pollution Abatement	125,000.00 4,100.00 Amendment 2,250.00 Amendment 1,650.00 Amendment	133,000.00	-0-
SL 139-1-1A	Lackawanna River	Acid Mine Drainage Abatement	325,572.00 17,400.00 C.O. #1 25,800.00 C.O. #2 8,677.50 C.O. #3 (Credit)	360,094.50	-0-
SL 139-1-4	Mayfield	Restoration of Stream at Mayfield	55,310.50 91.00 C.O. #1	55,401.50	-0-
SL 139-1-4-201.1R	Mayfield	Rehabilitation of Hosey Creek	131,764.80 8,618.40 C.O. #1 6,140.65 C.O. #2	146,523.85	-0-
SL 139-1-5	Borough of Archbald	Acid Mine Drainage Treatment	50,410.00 5,800.00 Amendment 5,050.00 Amendment 3,300.00 Amendment 12,540.00 Amendment 7,556.63 Amendment 1,173.96 Credit	83,482.67	-0-
SL 139-1-5-101.5	Borough of Archbald	Subsurface Investigation	6,165.00 97.20 C.O. #1 (Credit)	6,067.80	-0-
SL 139-1-5-201.1	Aylesworth Creek Watershed	Mine Drainage Pollution Abatement	315,763.00 31,736.00 C.O. #2 2,979.90 C.O. #3 (Credit)	344,519.10	-0-
SL 139-1-6	Fall Brook City of Carbondale	Acid Mine Drainage Pollution Abatement	61,925.00 8,295.00 Amendment 3,960.98 Amendment (Credit)	66,259.02	-0-
SL 139-1-6-101.1	Fall Brook City of Carbondale	Acid Mine Drainage Pollution Abatement	735,076.50 12,045.00 C.O. #1 3,330.60 C.O. #2	750,452.10	-0-
SL 139-3	N. W. Dump	Engineering Study	26,449.00 7,549.00 Credit	18,900.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>STREAM POLLUTION</b>					
OSM 35(017-78)101.1*	Dickson City Borough	Strip Mine Reclamation	\$ 206,625.00 21,197.46 C.O. #1 35,836.00 C.O. #2 19,849.20 C.O. #3	\$ 283,507.66	\$ -0-
		TOTALS	\$ 2,302,207.10	\$ 2,302,207.10	\$ -0-
<b>AIR POLLUTION</b>					
SL 201	City of Scranton	Control and elimination of air pollution from an abandoned burning coal refuse bank located at the Marvine Colliery	\$ 1,750,000.00	\$ 1,750,000.00	\$ -0-
SL 201-1	City of Scranton	Control and elimination of air pollution from south bank	1,523,808.00	1,523,808.00	-0-
SL 201-102.1	Marvine Bank Fire	Service Purchase Contract No. 591218	9,975.29 1,805.02 Credit	8,170.27	-0-
SL 201-2-101.1	City of Scranton	Equipment Rental	70,760.00 58,080.00 C.O. #1 28,596.00 C.O. #2 (Credit)	100,244.00	-0-
SL 203*	Taylor Borough	Burning Refuse Bank Extinguishment Project	1,081,850.00 300,000.00 Amendment 29,564.85 Credit	1,352,285.15	-0-
SL 207	Eddy Creek Throop Area	Burning Bank	2,713,300.00 66,746.06 C.O. #1 (Credit)	2,646,553.94	-0-
SL 220	Olyphant Borough	Burning Bank	7,200.00 720.00 Credit	6,480.00	-0-
SL 224-101.1	Olyphant Bank Fire Olyphant Borough	Burning Refuse Bank	51,000.00 24,515.00 C.O. #1 (Credit)	26,485.00	-0-
		TOTALS	\$ 7,414,026.36	\$ 7,414,026.36	\$ -0-
<b>UNDERGROUND MINE FIRES</b>					
AMF-24 *		ARDP #24	\$ 2,319,518.00	\$ 2,319,518.00	\$ -0-
ASL 308 *	City of Scranton	ARDP #8	4,162,734.00	4,162,734.00	-0-
SL 312	Throop Borough	Subsurface Mine Fire	8,133.00 920.12 Credit	7,212.88	-0-
SL 312-1	Throop Borough	Subsurface Mine Fire	10,800.00 164.75 C.O. #1 (Credit)	10,635.25	-0-
SL 322	Carbondale	Exploratory Drilling	17,959.00 309.75 C.O. #1 (Credit)	17,649.25	-0-
		TOTALS	\$ 6,517,749.38	\$ 6,517,749.38	\$ -0-
<b>MINE SUBSIDENCE</b>					
ASP 8*	City of Carbondale	Hydraulic Flushing of Mine Voids, Powderly Colliery	\$ 1,457,985.00 2.00 C.O. #1 (Credit) 23,707.78 C.O. #3 (Credit)	\$ 1,434,275.22	\$ -0-
ASP 11*	City of Scranton Southside Section	Hydraulic Flushing of Mine Voids - Abandoned Pine Brook Mine	2,356,473.90 1,160.00 C.O. #1 (Credit) 239,858.53 C.O. #3 85,570.10 C.O. #4 (Credit)	2,509,602.33	-0-
ASP 12*	City of Scranton Hill Section	Filling Mine Voids Abandoned Pine Brook Mine	5,991,797.27 232,902.73 C.O. #2 (Credit) 900.00 C.O. #3 (Credit) 64,372.03 C.O. #4 (Credit)	5,693,622.51	-0-
ASP 12-2*, **	City of Scranton Hill Section	Hydraulic Flushing of Voids Abandoned Pine Brook Mine Phase II	4,597,394.06 6,125.00 C.O. #1 (Credit) 725,000.00 C.O. #2 12,925.00 C.O. #3 19.00 C.O. #5 (Credit) 572.87 C.O. #6 4,856.30 C.O. #7 931,287.53 C.O. #8 (Credit)	4,403,316.70	-0-

\* Partial Federal Funding

\*\* C.O. #6 and C.O. #7, State Funds only

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE (Continued)</i>					
SL 403	Scranton	Filling voids in the abandoned Tripp Slope Mine, Diamond Colliery	\$ 29,887.50 7.80 Amendment (Credit)	\$ 29,879.70	\$ -0-
SL 403-A	Scranton	Filling voids in the abandoned Tripp Slope Mine, Diamond Colliery	88,867.00 40.82 Amendment (Credit)	88,826.18	-0-
SL 410	Archbald Glacial Pothole	Reconditioning Archbald Glacial Pothole	15,518.50	15,518.50	-0-
SL 411	Jackson Street	Exploratory Boreholes	60,940.00 56,947.00 Credit	3,993.00	-0-
SL 414	Scranton	Drilling and casing exploratory boreholes from the surface to the underground mine workings in No. 1 and No. 2 Dunmore Veins in the Whittier School Area	98,973.44 1,500.00 Codicil 443.50 Credit	100,029.94	-0-
SL 419	City of Scranton Lackawanna County	Subsidence, Phase I Minooka Section	5,633.80 2,884.20 C.O. #1 389.80 Credit	8,128.20	-0-
SL 438 *	Minooka Section Scranton	Filling Mine Voids - Blind flushing approximately 17 acres of area. Pilot Demonstration Project	1,066,333.84 2,350.00 C.O. #1 11,691.46 C.O. #3 (Credit)	1,056,992.38	-0-
SL 447	Borough of Dunmore	Drilling Exploratory Boreholes	6,507.00 750.45 C.O. #1	7,257.45	-0-
SL 448	Moosic Borough	Drilling Exploratory Boreholes	9,691.90 1,509.65 C.O. #1	11,201.55	-0-
SL 459	Borough of Dunmore	Core Drilling	6,417.00 1,657.50 C.O. #1 (Credit)	4,759.50	-0-
SL 463-101.1 *	Borough of Blakely	Filling Mine Voids	3,674,253.50 2,600.00 C.O. #1 110,904.85 Credit	3,565,948.65	-0-
SL 463-102.1	Blakely Borough	Subsidence Control	-0-	-0-	-0-
SL 463-102.5	Blakely Borough	Drilling Exploratory Boreholes	48,760.18 1,249.82 C.O. #1 (Credit)	47,510.36	-0-
SL 463-201.5	Borough of Blakely	Core Boring Subsurface Investigation	21,190.00 2,162.00 C.O. #1 (Credit)	19,028.00	-0-
SL 468-101.1	City of Carbondale	Filling Mine Voids	1,685,700.00 343,000.00 C.O. #2 68,168.62 C.O. #3 (Credit)	1,960,531.38	-0-
SL 477-101.5	Borough of Taylor	Exploratory Drilling	10,680.50 803.50 C.O. #1 (Credit)	9,877.00	-0-
SL 486-101.5	Scranton	Exploratory Drilling	15,263.50 445.35 C.O. #1 (Credit)	14,818.15	-0-
SL 4003-101.5	Old Forge Borough	Mine Subsidence Control	18,473.00 1,311.63 C.O. #1 (Credit)	17,161.37	-0-
SL 4009-101.5	City of Scranton	Core Boring Subsurface Investigation	5,894.00 101.40 C.O. #1	5,995.40	-0-
SL 4011-101.5	City of Carbondale	Core Boring Subsurface Investigation	13,858.00 54.69 C.O. #1 (Credit)	13,803.31	-0-
SL 4012-101.1	Pittston	Phase II	-0-	-0-	-0-
		<b>TOTALS</b>	<b>\$ 21,022,076.78</b>	<b>\$ 21,022,076.78</b>	<b>\$ -0-</b>
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - MINE SUBSIDENCE</i>		<b>TOTALS</b>	<b>\$ 37,256,059.62</b>	<b>\$ 37,256,059.62</b>	<b>\$ -0-</b>

\* Partial Federal Funding



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>LAWRENCE COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 110	Slippery Rock Creek Watershed	Survey to recommend pollution abatement measures needed and determine costs.	\$ 21,420.00 300.00 Amendment	\$ 21,720.00	\$ -0-
<b>STREAM POLLUTION</b>		<b>TOTALS</b>	<b>\$ 21,720.00</b>	<b>\$ 21,720.00</b>	<b>\$ -0-</b>
<b>LEBANON COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 1014-101.6	Swatara Creek	Watershed Pollution Study of Swatara Creek	\$ 56,633.76 1,448.31 (Credit)	\$ 55,185.45	\$ -0-
<b>STREAM POLLUTION</b>		<b>TOTALS</b>	<b>\$ 55,185.45</b>	<b>\$ 55,185.45</b>	<b>\$ -0-</b>
<b>LUZERNE COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 106-1	Sandy Run	Stream Treatment Plant	\$ 42,995.00 6,000 Codicil 478.20 Credit	\$ 48,516.80	\$ -0-
SL 112-20-101.1	Sandy Run AMD Treatment Plant	Exterior Lime Storage Tank Painting	1,975.00 175.27 C.O. #1	2,150.27	-0-
SL 124	Wyoming Valley	Demineralization (Plant) (Engineering)	14,200,000.00 9,550,000.00 Credit 65,707.00	4,650,000.00 65,707.00	-0- -0-
SL 135	Catawissa Creek Beaver and Wetzell Creek	Feasibility Study	58,750.00 18,750.00 Credit	40,000.00	-0-
SL 135-1	Catawissa Creek	Channel Relocation Hazle Township	38,959.00 8,429.32 Amendment (Credit)	30,529.68	-0-
SL 135-9-101.1	Tomhicken Creek	Stream Channelization	8,850.00	8,850.00	-0-
SL 137	Plymouth Borough	Abatement and Reclamation Dept. Environmental Resources	-0-	-0-	-0-
SL 139-1	Lackawanna River	Pollution Abatement Survey	125,000.00 4,100.00 Amendment 2,250.00 Amendment 1,650.00 Amendment	133,000.00	-0-
SL 139-1-3	Lidy Creek	Restoration of Stream Channel	27,912.00 5,644.96 C.O. #1 2,446.86 C.O. #2	36,003.82	-0-
SL 150	Wilkes-Barre Township	Filling Abandoned Strip Mine Pits	540,540.00 126,000.00 Amendment	666,540.00	-0-
SL 156	Plymouth Borough	Duffy Run Creek Channel	8,500.00	8,500.00	-0-
SL 174	Jeddo Tunnel	Pollution Abatement Project Terminated	130,000.00 117,559.58 Credit	12,440.42	-0-
SL 180-1-101.1	Wilkes-Barre Township	Strip Mine Restoration	481,824.00 21,361.00 C.O. #1 30,826.80 C.O. #2	534,011.80	-0-
SL 180-1-101.2	Solomon's Creek	Design	60,130.00 23,153.45 Credit	36,976.55	-0-
SL 181-101.1	Wyoming Valley	Pollution Abatement	95,000.00 6,768.41 Amendment 3,250.00 Amendment	105,018.41	-0-
SL 181-2	Newport Creek Watershed	Mine Drainage Survey	64,000.00 5,000.00 Credit	59,000.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 181-3	Nanticoke, Warrior and Solomon (Buttonwood) Creeks Watersheds	Mine Drainage Survey	\$ 94,567.80 13,338.00 Amendment 5,662.00 Amendment 19,000.00 Amendment 10,000.00 Credit	\$ 122,567.80	\$ -0-
SL 181-3-101.2	Sugar Notch Run	Design	102,500.00 82,300.00 Amendment 29,283.80 Amendment (Credit) 4,600.00 Amendment 3,500.00 Amendment 1,500.00 Amendment	146,922.87	18,193.33
SL 181-3-101.5	Sugar Notch Run	Subsurface Exploration	7,330.00 454.70 C.O. #1 (Credit)	6,875.30	-0-
SL 181-4	Mill Creek Watershed	Watershed Study	79,009.20 4,300.00 Amendment 9,967.94 Amendment 790.00 Amendment 2,818.00 Amendment 5,280.00 Amendment 13,043.22 Credit	89,121.92	-0-
SL 187-2	Wilkes-Barre	Mine Refuse Bank	600,000.00 56,197.13 C.O. #1	656,197.13	-0-
<b>TOTALS</b>			<b>\$ 7,477,123.10</b>	<b>\$ 7,458,929.77</b>	<b>\$ 18,193.33</b>
<i>AIR POLLUTION</i>					
SL 204	Huber Bank	Elimination of burning culm bank near the Huber Colliery	\$ 2,800,000.00 1,500,000.00 Amendment 371,786.84 Credit	\$ 3,928,213.16	\$ -0-
SL 204-1	Huber Bank	Drilling	5,390.00 11.00 Credit	5,379.00	-0-
SL 204-2	Huber Bank	Elimination of burning culm bank near the Huber Colliery	97,830.00 85,141.68 C.O. #1	182,971.68	-0-
SL 204-3	Huber Bank	Exploratory Drilling	3,687.50 314.54 C.O. #1 (Credit)	3,372.96	-0-
SL 218	Glen Lyon	Bank Fire	648,915.00 3,375.00 C.O. #2 (Credit) 2,680.50 C.O. #3 122,011.46 C.O. #4 (Credit)	526,209.04	-0-
SL 223-101.1	Flat Road	Bank Fire	5,400.00 4,500.00 C.O. #1 540.00 C.O. #2 (Credit)	9,360.00	-0-
<b>TOTALS</b>			<b>\$ 4,655,505.84</b>	<b>\$ 4,655,505.84</b>	<b>\$ -0-</b>
<i>UNDERGROUND MINE FIRES</i>					
ASL 307*	Borough of Swoyersville	ARDP #36	\$ 783,963.00	\$ 783,963.00	\$ -0-
ASL 309*	City of Hazleton	ARDP #35	1,445,601.00	1,445,601.00	-0-
SL 326	Hillsdale Section Plains Township	Subsurface Mine Fire	4,000.00 620.00 Credit	3,380.00	-0-
SL 346-101.1	Hanover Township	Surface Fire, Abandoned Bliss Colliery	2,300.00 935.00 C.O. #1 (Credit)	1,365.00	-0-
<b>TOTALS</b>			<b>\$ 2,234,309.00</b>	<b>\$ 2,234,309.00</b>	<b>\$ -0-</b>
<i>MINE SUBSIDENCE</i>					
SL 401	Ashley Borough	Introduction of Fly Ash to provide surface stabilization in certain areas of Ashley	\$ 290,445.00	\$ 439,125.95	\$ -0-
		Codicil	148,960.00 279.05 Credit		

\*Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE (Continued)</i>					
SL 415	Wilkes-Barre	Parsons Flushing Project	\$ 177,964.50 30,000.00 C.O. #1 4,939.76 C.O. #2	\$ 212,904.26	\$ -0-
SL 415-1*	Parsons Section	Emergency Flushing	82,385.00 66,995.00 C.O. #1 30,000.00 C.O. #2 52.66 C.O. #3 (Credit)	179,327.34	-0-
SL 430	Newport Township	Exploratory Boreholes	9,880.00 201.88 Credit	9,678.12	-0-
SL 440-1	Cooper Vein East Boston Coal Co.	Exploratory Boreholes	6,845.01 636.83 C.O. #1 (Credit)	6,208.18	-0-
SL 442A	Borough of Exeter	Exploratory Drilling	7,242.85 1,224.30 C.O. #1	8,467.15	-0-
SL 444	Wilkes-Barre	Exploratory Drilling	9,511.25 445.50 C.O. #1 (Credit)	9,065.75	-0-
SL 451	Pittston Township	Core Boring Subsurface Investigation	5,186.25 554.46 C.O. #1 (Credit)	4,631.79	-0-
SL 465-101.5	Avoca Borough	Subsurface Investigation	3,415.40 620.95 C.O. #1	4,036.35	-0-
SL 470-101.5	City of Pittston	Subsurface Investigation	195,890.00 4,215.00 C.O. #1 (Credit)	191,675.00	-0-
SL 476-101.1	Wilkes-Barre Township	Subsidence Control	1,758,850.00 52,500.00 C.O. #1 (Credit) 276,000.00 C.O. #2 241,500.00 C.O. #4 4,580.00 C.O. #6 (Credit)	2,219,270.00	-0-
SL 479-101.1	City of Wilkes-Barre	Subsidence Control	70,825.00 18,945.72 C.O. #1 (Credit)	51,879.28	-0-
SL 479-101.5	Bowman Street Wilkes-Barre	Exploratory Drilling	7,116.00 88.20 C.O. #1 (Credit)	7,027.80	-0-
SL 479-102.5	Wilkes-Barre	Exploratory Drilling	10,697.75 965.87 C.O. #1 (Credit)	9,731.88	-0-
SL 483-101.5	Village of Drifton	Subsurface Investigation	13,832.10 2,827.10 C.O. #1	16,659.20	-0-
SL 484-101.5	Borough of Duryea	Subsurface Investigation	98,249.00 1,914.00 C.O. #1 (Credit)	96,335.00	-0-
SL 491-101.5	Wyoming Borough	Subsurface Investigation	13,935.00 1,349.00 Credit	12,586.00	-0-
SL 4010-101.5	Borough of Forty-Fort	Core Boring Subsurface Investigation	16,493.20 2,511.59 C.O. #1	19,004.79	-0-
ASP 23*	Wilkes-Barre	Subsidence Control	636,968.40 106,457.40 Credit	530,511.00	-0-
OSM 40(019-78)301.1**	Nanticoke	Backfilling Abandoned Colliery	20,000.00 2,655.04 C.O. #1 (Credit)	17,344.96	-0-
OSM 40(511-83)101.1*	City of Pittston and Borough of Hughestown	Subsidence Control	4,740,895.00 3,672.92 C.O. #1 478,243.07 C.O. #2 (Credit)	4,266,324.85	-0-
		TOTALS	\$ 8,311,794.65	\$ 8,311,794.65	\$ -0-
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - MINE SUBSIDENCE</i>		TOTALS	\$ 22,678,732.59	\$ 22,660,539.26	\$ 18,193.33

\* Partial Federal Funding  
\*\*100% Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>LYCOMING COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 125	Pine Township	Technical Services Treatment Plant	\$ 2,500.00 1,337.00 340.43	Amendment Credit	\$ 3,496.57 \$ -0-
SL 160	English Run	Engineering Survey Acid Mine Drainage Project	65,000.00		65,000.00 -0-
SL 160-1	English Run	Refuse Pile Reclamation Dept. of Env. Resources	53,200.00 2,625.00	C.O. #1 (Credit)	50,575.00 -0-
SL 163-4	West Branch Susquehanna River Jersey Shore Area	Emergency Treatment Plant Dept. of Env. Resources	30,249.45		30,249.45 -0-
<b>STREAM POLLUTION TOTALS</b>			<b>\$ 149,321.02</b>		<b>\$ 149,321.02 \$ -0-</b>

**MERCER COUNTY**  
**STREAM POLLUTION**

SL 110	Slippery Rock Creek Watershed	Survey to recommend pollution abatement measures needed and determine costs	\$ 58,905.00 825.00	Amendment	\$ 59,730.00 \$ -0-
SL 110-4	Slippery Rock Creek Watershed	Abandoned Deep Mine Sealing and associated Grouting Work	20,000.00		20,000.00 -0-
SL 110-4-101.1	Slippery Rock Creek Watershed	Deep Mine Seals	359,991.50 5,822.50 3,810.00 133,513.80 9,092.33	C.O. #1 C.O. #2 C.O. #3 (Credit) C.O. #4	245,202.53 -0-
SL 166	Neshannock Creek	Removal of Refuse Bank	86,000.00 2,289.00	C.O. #1	88,289.00 -0-
<b>TOTALS</b>			<b>\$ 413,221.53</b>		<b>\$ 413,221.53 \$ -0-</b>

**MINE SUBSIDENCE**

SL 469-101.1	Shenango Township	Subsurface Investigation	\$ 2,900.00		\$ 2,900.00 \$ -0-
<b>STREAM POLLUTION - MINE SUBSIDENCE TOTALS</b>			<b>\$ 416,121.53</b>		<b>\$ 416,121.53 \$ -0-</b>

**NORTHUMBERLAND COUNTY**  
**STREAM POLLUTION**

SL 113	Shamokin Creek	Engineering study to determine pollution measures needed	\$ 165,000.00		\$ 165,000.00 \$ -0-
SL 113-2	Shamokin Creek	Engineering Designs for 5 Abatement Projects	41,670.00 25,815.47 7,941.78 5,145.32	Amendment Amendment Amendment	80,572.57 -0-
SL 113-2-1	Shamokin Creek	Abatement Projects A and B at North Branch of Shamokin Creek near R.D. #1 Wilburton	364,305.00 11,430.00 2,750.00 1,703.00	C.O. #3 C.O. #4 C.O. #5	380,188.00 -0-
SL 113-2-2	Shamokin Creek	Abatement Projects E, F and G on Shamokin Creek near Excelsior	408,422.00 10,474.25 5,461.83 9,283.10 4,359.84	C.O. #1 C.O. #2 C.O. #3 C.O. #4	438,001.02 -0-
SL 113-2-3F*	Shamokin Creek	Flood Repair on SL 113-2-2	135,813.75 14,640.70	C.O. #1 (Credit)	121,173.05 -0-

\* To be paid from Eloise Flood Funds (SL 113-5-1) \$22,654.13

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (Continued)					
SL 113-2-4F*	Shamokin Creek	Flood Repair on SL 113-2-1	\$ 24,774.50 3,082.00 Amendment	\$ 27,856.50	\$ -0-
SL 113-3	Shamokin Creek	Design of abatement in strip mine area by ground construction and lining collection channels. Dept. Environmental Resources	-0-	-0-	-0-
SL 113-3-1	Shamokin Creek	Construction Mine Drainage Pollution Abatement	176,356.00 7,799.45 C.O. #1 15,529.94 C.O. #2	199,685.39	-0-
SL 113-4	Shamokin Creek	Design of Mine Drainage Pollution Abatement Plant	60,750.00 6,360.69 Amendment	67,110.69	-0-
SL 113-5	Shamokin Creek Watershed	Design: Acid Mine Drainage	62,750.00 19,974.76 Amendment 6,984.88 Amendment	89,709.64	-0-
SL 113-5-1*	Shamokin Creek Watershed	Construction: Acid Mine Drainage Pollution Abatement	975,965.00 4,575.00 C.O. #1 36,567.81 C.O. #2 8,171.87 C.O. #3 14,190.53 C.O. #4 (Credit) 157,448.00 C.O. #5 29,008.00 C.O. #6 4,839.30 C.O. #7	1,202,384.45	-0-
SL 197	Mahony Creek Watershed	Mine Drainage Survey	54,688.00 12,040.40 Credit	42,647.60	-0-
<b>TOTALS</b>			<b>\$ 2,814,328.91</b>	<b>\$ 2,814,328.91</b>	<b>\$ -0-</b>
<i>UNDERGROUND MINE FIRES</i>					
SL 304	Mt. Carmel	Mine Fire	\$ 4,810,000.00 3,150,650.00 Amendment 34,466.90 C.O. #2 (Credit)	\$ 7,926,183.10	\$ -0-
SL 304-101.1H**	Mt. Carmel	Stabilization of Bank Areas	34,325.00 2,400.00 C.O. #1 6,303.00 C.O. #2	43,028.00	-0-
SL 314	Coal Township	Extinguishment of burning backfill material David Stark Dump Area	46,000.00 9.50 Credit	45,990.50	-0-
<b>TOTALS</b>			<b>\$ 8,015,201.60</b>	<b>\$ 8,015,201.60</b>	<b>\$ -0-</b>
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES</i>			<b>\$ 10,829,530.51</b>	<b>\$ 10,829,530.51</b>	<b>\$ -0-</b>

**SCHUYLKILL COUNTY**

*STREAM POLLUTION*

SL 112	Rausch Creek	Survey to recommend pollution abatement measures needed and determine costs, and design treatment plant for active and abandoned mine discharge.	\$ 314,700.00 35,550.00 Amendment 8,648.26 Credit	\$ 341,601.74	\$ -0-
SL 112-1	Rausch Creek	Treatment Plant Construction	1,589,000.00 1,500.00 C.O. #1 (Credit) 500.00 C.O. #2 (Credit) 7,393.30 C.O. #3 642.00 C.O. #4 1,311.00 C.O. #5 430.00 C.O. #6 4,100.00 C.O. #7 (Credit) 1,200.00 C.O. #8 5,317.60 C.O. #9 1,089.06 C.O. #10 49.50 C.O. #11	1,600,332.46	-0-

\* To be paid from Eloise Flood Funds (SL 113-5-1) \$22,654.13  
 \*\*\$14,342.00 funded from (01-35-80-77-6-500-96000) Restricted Revenue

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (Continued)					
SL 112-2	Rausch Creek	Treatment Plant - Electrical Work	\$ 159,947.00 433.00 C.O. #1 1,826.06 C.O. #2	\$ 162,206.06	\$ -0-
SL 112-3	Rausch Creek	Well Drilling	4,800.00 142.00 Credit	4,658.00	-0-
SL 112-4	Rausch Creek	Rehabilitation of the Surface Area of the Rausch Creek Watershed	49,885.00 1,387.50 Credit	48,497.50	-0-
SL 112-6	Rausch Creek	Sludge Holding Pit	39,963.00 4,642.22 C.O. #1	44,605.22	-0-
SL 112-8*	Rausch Creek	Headwork Modifications	249,260.00 26,340.12 C.O. #1	275,600.12	-0-
SL 112-9 (AM-103)	Rausch Creek	Instrumentation Maintenance	5,906.00 268.00 C.O. #1	6,174.00	-0-
SL 112-9-76	Rausch Creek	Instrumentation Maintenance	11,150.00 6,600.00 C.O. #1 552.86 C.O. #2 6,600.00 C.O. #3 6,600.00 C.O. #4 280.00 C.O. #5 950.00 Credit	30,832.86	-0-
SL 112-9-81	Rausch Creek	Instrumentation Maintenance	12,420.00 3,296.37 Credit	9,123.63	-0-
SL 112-9-82	Rausch Creek	Instrumentation Maintenance	11,365.00 4,000.00 C.O. #2 946.00 C.O. #3	16,311.00	-0-
SL 112-9-85	Rausch Creek	Instrumentation Maintenance	13,348.00 1,900.00 C.O. #1 8,579.35 C.O. #2 (Credit)	6,668.65	-0-
SL 112-11F**	Rausch Creek Treatment Plant	Clean-Polishing Lagoon #1	24,367.25 1,864.94 C.O. #1 (Credit)	22,502.31	-0-
SL 112-11-77	Rausch Creek Treatment Plant	Clean-Polishing Lagoon #2	96,940.00 2,979.00 C.O. #1	99,919.00	-0-
SL 112-11-78	Rausch Creek Treatment Plant	Disposal of Acid Mine Drainage Sludge	20,320.00	20,320.00	-0-
SL 112-11A-78	Rausch Creek Treatment Plant	Truck Rental for Sludge Removal	2,240.00 1,176.00 C.O. #1 (Credit)	1,064.00	-0-
SL 112-11B-78	Rausch Creek Treatment Plant	Sludge Removal	89,100.00 11,206.13 C.O. #1 (Credit)	77,893.87	-0-
SL 112-11C-78	Rausch Creek Treatment Plant	Sludge Removal and Road Reconstruction	74,512.50 1,567.95 C.O. #1 (Credit)	72,944.55	-0-
SL 112-11-79	Rausch Creek Treatment Plant	Sludge Removal	32,000.00 14,264.45 C.O. #1	46,264.45	-0-
SL 112-11-80	Rausch Creek Treatment Plant	Sludge Removal	136,710.00	136,710.00	-0-
SL 112-11-82	Rausch Creek	Removal & disposal of sludge from Lagoon No. 1 and Ponds No. 2 and No. 3	126,250.00 24,200.00 C.O. #1 6,325.00 C.O. #2 72,355.25 C.O. #3 15,072.75 C.O. #4	244,203.00	-0-
SL 112-12F**	Rausch Creek Treatment Plant	Replace 650' Chain Link Fence	4,862.00 86.40 C.O. #1 (Credit)	4,775.60	-0-
SL 112-13F**	Rausch Creek Treatment Plant	Sediment removal	20,820.00 8,515.68 C.O. #1	29,335.68	-0-
SL 112-13-78A	Rausch Creek Treatment Plant	Sediment removal	30,900.00 650.00 C.O. #1 262.80 C.O. #2 (Credit)	31,287.20	-0-
SL 112-14	Rausch Creek Treatment Plant	Engineering Evaluation	17,400.00 17,400.00 Credit	-0-	-0-

\* To be paid from Eloise Flood Funds (SL 113-5-1) \$22,654.13

\*\* From Eloise Flood Funds (SL 112-8) \$6,164.20

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (Continued)					
SL 112-16-101.1	Rausch Creek	Mine Drainage Pollution Abatement	\$ 84,079.25 9,363.10 C.O. #1 241.55 C.O. #2	\$ 93,683.90	\$ -0-
SL 112-16-101.2	Rausch Creek	Debris Basin Enlargement	2,033.00	2,033.00	-0-
SL 112-17	Rausch Creek Treatment Plant	Engineering Study	45,357.00 5,000.00 Amendment	50,357.00	-0-
SL 112-18-101.1	Rausch Creek Treatment Plant	Heating and Ventilating Rehabilitation	15,730.00 75.00 C.O. #1 (Credit)	15,655.00	-0-
SL 112-19-101.2	Rausch Creek	Design of Filter Press	75,910.00 6,839.55 Credit 1,785.80 Amendment 2,494.67 Credit	68,361.58	-0-
SL 112-19-101.11	Rausch Creek	General Construction of Modifications	545,000.00 7,180.78 C.O. #1	552,180.78	-0-
SL 112-19-101.12	Rausch Creek	Heating/Ventilating Work	8,884.00	8,795.16	88.84
SL 112-19-101.13	Rausch Creek	Mechanical/Plumbing Work	13,440.00	13,440.00	-0-
SL 112-19-101.14	Rausch Creek	Electrical Work	54,800.00 164.43	54,964.43	-0-
SL 112-20-101.1	Rausch Creek AMD Treatment Plant	Exterior Lime Storage Tank Painting	3,950.00 175.27 C.O. #1	4,125.27	-0-
SL 112-21-101.1	Rausch Creek Treatment Plant	Rapid Dewatering Systems	7,000.00	7,000.00	-0-
SL 112-22-101.1	Rausch Creek	Roof Repair	15,675.00 306.00 C.O. #2 (Credit)	15,369.00	-0-
SL 112-23-101.1	Rausch Creek Treatment Plant	Removal and Disposal of Acid Mine Drainage Sludge and Silt	87,650.00	74,378.20	13,271.80
SL 126-1-1	Treatment Plant Swatara Creek	Design of Mine Drainage Facilities	55,120.00 7,077.15 Amendment (Credit)	48,042.85	-0-
SL 126-1-2	Swatara Creek Watershed	Mine Drainage Pollution Abatement	12,985.00 10,340.00 Amendment 739.20 Credit	22,585.80	-0-
SL 126-1-5**	Swatara Creek Watershed	Construction	240,281.05 2,749.25 C.O. #1 2,789.97 C.O. #2 (Credit) 30,760.80 C.O. #3	271,001.13	-0-
SL 126-2	Swatara Creek Watershed	Middle Creek, Gebhard Run, Coal Run and Goodspring Creek Engineering Survey to determine pollution abatement measures needed	118,306.00	118,306.00	-0-
		Consultant Services	1,000.00 4,216.00 Amendment	5,216.00	-0-
SL 126-2A	Swatara Creek Watershed	Hydraulic Sealing Project Terminated	69,326.00 55,835.80 Credit	13,490.20	-0-
SL 126-2-1	Frailey	Coal Run, installation of flumes, construction of drainage ditches, sealing of abandoned strip pit and reconditioning of stream beds.	57,964.40	57,964.40	-0-
SL 126-2-2	Frailey and Reilly Townships	(Bailey and Gebhard Run) Installation of flumes, construction of drainage ditches and reconditioning of stream beds	100,015.00	100,015.00	-0-

\* To be paid from Eloise Flood Funds (SL 113-5-1) \$22,654.13

\*\* From Eloise Flood Funds (SL 112-8) \$6,164.20

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>STREAM POLLUTION (Continued)</b>					
SL 126-2-6	Swatara Creek Watershed	Acid Mine Drainage Abatement	\$ 164,524.00 7,163.96 Amendment 1,800.00 Amendment 541.20 Amendment 9,671.30 Amendment 974.75 Amendment	\$ 184,675.21	\$ -0-
SL 126-2-11-102.2	Borough of Tremont	Design	-0-	-0-	-0-
SL 126-2-7	Swatara Creek Watershed	Construction of Mine Drainage Pollution Project	2,340,194.72 1,650.00 C.O. #2 5,381.00 C.O. #3 216,415.33 C.O. #4 (Credit) 68,295.32 C.O. #5 (Credit) 625.00 C.O. #6 (Credit) 50,500.00 C.O. #7 28,565.51 C.O. #8 31,341.29 C.O. #9 17,868.73 C.O. #10	2,190,165.60	-0-
SL 126-2-7/9F	Swatara Creek	Remedial Work	78,422.54 4,577.21 C.O. #2	82,999.75	-0-
SL 126-2-8	Swatara Creek Watershed	Design of Abatement Project	13,960.00 5,387.26 Amendment 657.26 Credit	18,690.00	-0-
SL 126-2-9	Swatara Creek Watershed	Mine Drainage Pollution Abatement	195,103.00 5,933.70 C.O. #1 188.47 C.O. #2 (Credit)	200,848.23	-0-
SL 126-2-11-101.2	Tremont	Design Union Street Bridge	22,985.00 7,174.94 Credit	15,810.06	-0-
SL 126-3	Swatara Creek	Engineering - Lower Rausch Creek, Lorberrry Creek	47,700.00	47,700.00	-0-
SL 126-3-3	Lorberrry Creek and Lower Rausch Creek	Feasibility Study	18,741.86 2,449.96 Amendment 10,596.68 Credit	10,595.14	-0-
SL 126-4-101.2	Swatara Creek Watershed	Watershed Study	-0-	-0-	-0-
SL 135	Catawissa Creek	Plugging of abandoned Audenreid Tunnel	29,375.00 9,375.00 Credit	20,000.00	-0-
SL 135-2	Catawissa Creek	East Union Township Clearing Mine Tunnel No. 3	19,661.00 55,625.00 Amendment 4,378.32 C.O. #1 36.00 Credit	79,628.32	-0-
SL 135-3	Catawissa Creek	East Union Township Investigation of subsurface overlying Tunnel No. 2	32,131.50 3,971.61 C.O. #1 2.00 Credit	36,101.11	-0-
SL 135-3-2	Catawissa Creek	Equipment Rental Preparation Work	4,516.00 652.00 Credit	3,864.00	-0-
SL 135-4	Catawissa Creek	Investigation of subsurface overlying Tunnel No. 1	40,232.50 5,975.60 Credit	34,256.90	-0-
SL 135-6	Catawissa Creek	Clearing of the Audenreid Drainage Tunnel	75,790.00 8,622.79 Credit 35,000.00 C.O. #2	102,167.21	-0-
SL 135-6.1	East Union Township	Seeding of Mine Areas	3,000.00	3,000.00	-0-
SL 135-9-101.1	Tomhicken Creek	Stream Channelization	8,850.00	8,850.00	-0-
SL 135-11-101.6	Catawissa Creek	Acid Mine Drainage Neutralization	39,416.00 2,500.00 Amendment 5,567.50 Amendment	47,483.50	-0-
SL 167	Little Schuylkill River Watershed	Pollution Abatement	136,160.00	136,160.00	-0-



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>STREAM POLLUTION (Continued)</b>					
SL 167-1	Silverbrook Basin	Design - Acid Mine Drainage Pollution Abatement	\$ 227,175.00 7,140.00 Amendment 12,820.00 Amendment 7,900.00 Amendment 15,000.00 Amendment 9,715.00 Amendment 139,964.50 Credit	\$ 139,785.50	\$ -0-
SL 170	Wiconisco Creek	Engineering Survey	45,417.00 2,725.00 Amendment 16.03 Credit	48,125.97	-0-
SL 170-3	Wiconisco Creek	Engineering Survey	2,250.00 159.82 Credit	2,090.18	-0-
SL 170-5- 101.1	Sheridan Refuse Bank	Erosion and Sedimen- tation Control	-0-	-0-	-0-
SL 170-6- 101.1	Sheridan Refuse Bank	RFP for Removal of Bank	-0-	-0-	-0-
SL 197	Mahony Creek Watershed	Mine Drainage Survey	54,688.00 12,040.40 Credit	42,647.60	-0-
SL 1014- 101.6	Swatara Creek	Watershed Pollution Study of Swatara Creek	169,901.28 4,344.95 (Credit)	165,556.33	-0-
		<b>TOTALS</b>	<b>\$ 8,565,356.85</b>	<b>\$ 8,551,996.21</b>	<b>\$ 13,360.64</b>
<b>AIR POLLUTION</b>					
SL 210	Forrestville	In litigation	\$ 4,500,000.00 3,796,825.00 Credit 500,000.00 Credit	\$ 203,175.00	\$ -0-
SL 210-1	Forrestville	Exploratory boreholes and one drainage bore- hole to provide water to quench the bank material	8,940.00 1,570.00 C.O. #1 (Credit)	7,370.00	-0-
SL 210-2	Forrestville	Extinguishment of coal refuse bank	2,073,100.00 27,162.53 C.O. #1	2,100,262.53	-0-
SL 210-3	Forrestville Cass Township	Coal refuse bank erosion control	17,130.65 2,192.27 C.O. #1	19,322.92	-0-
		<b>TOTALS</b>	<b>\$ 2,330,130.45</b>	<b>\$ 2,330,130.45</b>	<b>\$ -0-</b>
<b>UNDERGROUND MINE FIRES</b>					
SL 309	West Mahanoy Township	Kehley Run Mine Fire	\$ 3,195,350.00 6,600,000.00 Amendment 132,680.00 C.O. #1 1,531,472.81 C.O. #3 139,916.87 C.O. #5 41,414.44 C.O. #6 40,750.66 C.O. #7	\$ 11,681,584.78	\$ -0-
SL 309-1	West Mahanoy Township	Seeding Area of Extinguished Kehley Run Mine Fire	17,500.00 160.00 C.O. #1	17,660.00	-0-
SL 309-2- 101.1	West Mahanoy Township	Kehley Run Mine Fire	48,788.00 6,609.50 C.O. #1	55,397.50	-0-
		<b>TOTALS</b>	<b>\$ 11,754,642.28</b>	<b>\$ 11,754,642.28</b>	<b>\$ -0-</b>
<b>MINE SUBSIDENCE</b>					
SL 458	Pottsville High School	Core Drilling Subsurface Investigation	\$ 5,945.70 1,044.80 C.O. #1 (Credit)	\$ 4,900.90	\$ -0-
		<b>TOTALS</b>	<b>\$ 4,900.90</b>	<b>\$ 4,900.90</b>	<b>\$ -0-</b>
<b>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - MINE SUBSIDENCE</b>			<b>TOTALS</b>	<b>\$ 22,489,474.15</b>	<b>\$ 22,476,113.51</b>
				<b>\$ 13,360.64</b>	

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>SOMERSET COUNTY</b>					
<b>STREAM POLLUTION</b>					
SL 103	Youghiogheny	Survey to recommend abatement measures needed and determine costs	\$ 6,250.00	\$ 6,250.00	\$ -0-
SL 103-2	Youghiogheny	Survey to recommend abatement measures needed and determine costs	72,515.75 11,212.89 Credit	61,302.86	-0-
SL 118	Shaw Complex	Engineering	15,000.00	15,000.00	-0-
SL 118-1	Shaw Complex	Abatement and Reclamation Hay - Property	21,090.00	21,090.00	-0-
SL 118-2	Shaw Complex	Abatement and Reclamation Summit and Elk Lick township	300,000.00	300,000.00	-0-
SL 118-2A	Shaw Complex	Abatement and Reclamation	750,000.00 52,162.50 Credit	697,837.50	-0-
SL 118-2B	Shaw Mine Complex Elklick Township	Installation of clay seal, contour backfilling and planting and seeding	183,800.00	183,800.00	-0-
SL 118-3	Shaw Complex Elklick Township	Abatement and Reclamation	300,000.00 300,000.00 Amendment 14,550.44 Credit	585,449.56	-0-
SL 118-3-2	Shaw Complex Elklick Township	Strip Mine Reclamation	324,600.00	324,600.00	-0-
SL 118-4	Shaw Complex	Construction of Barrier	879,950.00 12,367.18 C.O. #1 (Credit)	867,582.82	-0-
SL 118-5	Shaw Complex	Installation of Deep Mine Seals	89,750.00 6,000.00 C.O. #1 994.50 C.O. #2 (Credit)	94,755.50	-0-
SL 118-6	Shaw Complex	Site evaluation - Acid Mine Drainage Abatement	137,664.00 49,191.82 Credit	88,472.18	-0-
SL 148	Clear Shade Creek	Development of abatement facilities for mine discharge in Forbes State Forest. Dept. Environmental Resources	-0-	-0-	-0-
SL 151	Bens Creek South Fork	Pollution Abatement Thomas Mill Area Dept. Environmental Resources	-0-	-0-	-0-
SL 151-1	Conemaugh Township	Thomas Mill Area Pressure Curtain Grouting and reclamation	84,400.00 10,014.20 C.O. #1	94,414.20	-0-
SL 151-1A	Conemaugh Township		87,975.00 12.00 C.O. #1 (Credit)	87,963.00	-0-
SL 151-1B	Conemaugh Township	Pipe Cleaning	1,650.00	1,650.00	-0-
SL 179	Stony Creek Watershed	Pollution Abatement	151,702.00 49,798.00 Amendment 18,200.00 Amendment 187.27 Credit	219,512.73	-0-
SL 179-0-201.5	Wells Creek Area	Subsurface Investigation of 3 Deep Mine Complexes	19,964.00 1,102.07 C.O. #1	21,066.07	-0-
SL 179-1	Stony Creek Watershed	Design Strip Mine Reclamation	14,638.00 2,300.00 Amendment 6,132.25 Amendment 318.25 Amendment (Credit)	22,752.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION</i> (Continued)					
SL 179-1-101.1	Stony Creek Watershed	Acid Mine Drainage - Indian Lake	\$ 217,300.00 9,865.83 <u>1,259.26</u>	\$ 225,906.57	\$ -0-
			C.O. #1 C.O. #2 (Credit)		
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 3,919,404.99</u>	<u>\$ 3,919,404.99</u>	<u>\$ -0-</u>

*SULLIVAN COUNTY**STREAM POLLUTION*

SL 188	Loyalsock Creek Watershed	Mine Drainage Survey	\$ 26,843.96 <u>1,000.00</u>	\$ 27,843.96	\$ -0-
			Amendment		
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 27,843.96</u>	<u>\$ 27,843.96</u>	<u>\$ -0-</u>

*SUSQUEHANNA COUNTY**STREAM POLLUTION*

SL 139	Upper Lackawanna River	Pollution Abatement Survey	\$ 34,100.00 133.34 <u>4.43</u>	\$ 34,228.91	\$ -0-
			Amendment Credit		
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 34,228.91</u>	<u>\$ 34,228.91</u>	<u>\$ -0-</u>

*TIOGA COUNTY**STREAM POLLUTION*

SL 136*	Tioga Creek	No State money involved Funded by E.P.A. Abatement Project for remedial work	\$ 183,780.00 37,500.00 14,000.00 6,486.00 1,643.52 <u>7,271.75</u>	\$ 161,137.77	\$ -0-
			Amendment (Credit) Amendment Amendment Amendment Credit		
SL 136-1	Tioga River Watershed - Morris Run Vicinity	Engineering feasibility study	11,500.00	11,500.00	-0-
SL 136-2*	Coal Creek and Morris Run	Construction of Monitoring Station and Weirs for Tioga River Demonstration	27,015.00 2,675.00 2,300.00 <u>2,243.50</u>	34,233.50	-0-
			C.O. #2 C.O. #3 C.O. #4		
SL 136-3**	Ward Township	Abatement of Acid Mine Drainage by Restoration of Strip Mine Pits	429,996.00 5,101.20 4,700.00 5,798.00 5,209.03 11,058.00 <u>400.00</u>	462,262.33	-0-
			C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7		
SL 136-4 **	Ward Township	Transport of Sewage Sludge from Williamsport to Project Site	8,330.00	8,330.00	-0-
SL 145	Babb Creek Bear Run Mine Complex	Pollution Abatement Engineering	7,895.00	7,895.00	-0-
SL 145-1	Babb Creek	Acid Mine Drainage Project	68,000.00 <u>1,138.90</u>	66,861.10	-0-
			Credit		
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 752,219.60</u>	<u>\$ 752,219.60</u>	<u>\$ -0-</u>

\* Full Federal Funding  
\*\*Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>VENANGO COUNTY</b>					
<b>STREAM POLLUTION</b>					
BM 113	Slippery Rock and Little Scrubgrass	Mechanical Maintenance	\$ 1,500.00 478.92 Credit	\$ 1,021.08	\$ -0-
BM 114	Slippery Rock and Little Scrubgrass	Electrical Maintenance	1,500.00 604.12 Credit	895.88	-0-
SL 104-3-77	Slippery Rock	Acid Mine Drainage Treatment - Electrical	1,500.00 406.36 Credit	1,093.64	-0-
SL 104-3-78	Little Scrubgrass	Electrical Maintenance	155.84	155.84	-0-
SL 104-3-80	Little Scrubgrass	Electrical Maintenance	1,706.00 976.46 Credit	729.54	-0-
SL 104-3-82	Little Scrubgrass	Electrical Maintenance	500.90 500.90 Credit	-0-	-0-
SL 104-4-77	Slippery Rock	Acid Mine Drainage Treatment - Mechanical	1,500.00 .05 Credit	1,499.95	-0-
SL 104-4-78	Little Scrubgrass	Mechanical Maintenance	673.84	673.84	-0-
SL 104-4-80	Little Scrubgrass	Mechanical Maintenance	1,895.00 1,487.37 Credit	407.63	-0-
SL 104-4-81	Little Scrubgrass	Mechanical Maintenance	2,000.00 1,345.50 Credit	654.50	-0-
SL 110	Slippery Rock Creek Watershed	Survey to recommend pollution abatement needed and to determine cost	7,140.00 100.00 Amendment	7,240.00	-0-
SL 110-5	Slippery Rock Creek Watershed	Mine Drainage Pollution Abatement Related Costs	43,360.00 6,568.75 Amendment 1,500.00 Amendment 4,434.32 Amendment (Credit)	46,994.43	-0-
SL 131	Little Scrubgrass Creek	Sludge Removal	13,950.00	13,950.00	-0-
SL 131-1	Little Scrubgrass Creek	Strip Mine restoration Mine Seals - Project Terminated	31,000.00 15,000.00 Credit	16,000.00	-0-
SL 131-2	Little Scrubgrass Creek	Cleaning Sludge Basin	10,070.00 414.00 C.O. #1 (Credit)	9,656.00	-0-
SL 131-3-101.1	Little Scrubgrass	Exterior Lime Storage Tank Painting	1,625.00	1,625.00	-0-
SL 147	Scrubgrass Creek	Pollution Abatement	84,300.00	84,300.00	-0-
SL 147-1	Big Scrubgrass Creek	Design of strip mine reclamation abatement measures Dept. Environmental Resources	-0-	-0-	-0-
SL 147-1-101.1	Big Scrubgrass Creek Watershed Clinton Township	Construction - Mine Drainage Pollution Abatement Mine Site No. 9 State Game Lands No. 39	44,600.00	44,600.00	-0-
SL 147-1-102.1	Big Scrubgrass Creek Watershed	Mine Drainage Pollution Abatement Mine Sites Nos 12, 13 and 15	344,448.50 9,784.73 C.O. #2 (Credit) 3,400.00 C.O. #3 3,733.50 C.O. #4	341,797.27	-0-
SL 147-1-103.1	Big Scrubgrass Creek Watershed	Mine Drainage Pollution Abatement Mine Site Nos. 4, 5, 6 and 18	87,550.00 15,636.65 C.O. #1	103,186.65	-0-
SL 147-1-104.1	Big Scrubgrass Creek Watershed	Mine Drainage Pollution Abatement - Mine Site No. 17	359,510.00 30,059.70 C.O. #1 (Credit) 1,256.25 C.O. #2	330,706.55	-0-
SL 147-1-104.5	Big Scrubgrass Creek Watershed	Exploratory Excavation	2,720.00	2,720.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 147-1-203.1R	Big Scrubgrass Creek Watershed	Subsurface Drainage Collection System	\$ 5,350.00 294.00 C.O. #1	\$ 5,644.00	\$ -0-
<i>STREAM POLLUTION</i>		<i>TOTALS</i>	<u>\$ 1,015,551.80</u>	<u>\$ 1,015,551.80</u>	<u>\$ -0-</u>

## WASHINGTON COUNTY

### STREAM POLLUTION

SL 102	Chartiers Creek	Survey to recommend pollution abatement measures needed and determine costs	\$ 67,262.50 702.25 Credit	\$ 66,560.25	\$ -0-
SL 102-2	Robinson and Thomas Run	Reconstruction of stream channels	1,717.30 1,006.20 Amendment 299.00 Amendment	3,022.50	-0-
SL 102-2-1	Robinson Run	Construction of Abatement Facilities	22,600.00 2,900.00 C.O. #1 6,445.50 C.O. #2	31,945.50	-0-
SL 102-3	Ten (10) Quick Start Projects	Pollution Abatement	20,147.00 1,052.70 Amendment	21,199.70	-0-
SL 102-3-2	Chartiers Creek	Quick Start #7 Grade sinkhole and restore natural drainage	37,500.00 95.00 C.O. #1	37,595.00	-0-
SL 102-4	N. Strabane Township	Pollution Abatement	82,962.00 5,400.00 C.O. #1 6,750.00 C.O. #2 7,500.00 C.O. #3	102,612.00	-0-
SL 102-7	Chartiers Creek Watershed	Mine Drainage Pollution Abatement	92,320.50 8,619.50 Amendment 1,500.00 Amendment 10,871.64 Amendment (Credit)	91,568.36	-0-
SL 114	Smith Township	Design and Construction of Ion-Exchange Treatment Plant	60,000.00 6,737.00 Amendment 106.84 Credit	66,630.16	-0-
SL 114-1	Smith Township	Construction	669,680.00 1,370.00 C.O. #1 13,300.00 C.O. #2 2,775.00 C.O. #3 7,997.00 C.O. #4 11,871.00 C.O. #5 22,670.70 Credit	684,322.30	-0-
SL 114-2	Smith Township	(Contract No. 2) Heating and Ventilation	6,539.00	6,539.00	-0-
SL 114-3	Smith Township	(Contract No. 3) Electrical	47,800.00 918.00 C.O. #1	48,718.00	-0-
SL 130	Raccoon Creek	Mine Drainage Pollution Abatement	24,000.00 5,000.00 Amendment 5,000.00 Amendment 5,975.00 Amendment 1,071.28 Credit	38,903.72	-0-
SL 130-1	Smith and Hanover Townships	Design: Acid Mine Drainage Pollution Abatement Raccoon Creek State Game Land #117	35,000.00 299.20 Amendment 19,600.00 Amendment 3,400.00 Amendment	58,299.20	-0-
SL 130-1-101.1	Smith and Hanover Townships	Construction: Acid Mine Drainage Pollution Abatement Raccoon Creek State Game Land #117	615,300.00 209.00 C.O. #1 44,420.40 C.O. #2 38,300.00 C.O. #3 22,451.48 C.O. #4 855.11 C.O. #5	721,535.99	-0-
SL 130-2	Hillman State Park	Mine Drainage Survey	75,420.00	75,420.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 130-2-1	Hillman State Park	Reclamation	\$ 74,610.00 29,900.00 Amendment 17,300.00 Amendment	\$ 121,810.00	\$ -0-
SL 130-2-1.1A	Hillman State Park	Mine Drainage Pollution Abatement	388,250.00 23,406.00 C.O. #1 12,177.73 C.O. #3	423,833.73	-0-
SL 130-2-1.1B*	Hillman State Park	Project Area #1B	1,156,795.00 1,743.47 C.O. #1 25,000.00 C.O. #3 15,000.00 C.O. #4 18,533.59 C.O. #6 (Credit)	1,180,004.88	-0-
SL 130-2-1.3	Hillman State Park	Mine Drainage Pollution Abatement	347,692.50 6,939.15 C.O. #1 3,907.75 C.O. #2 75,882.00 C.O. #3 1,125.46 C.O. #4 516.50 C.O. #5	436,063.36	-0-
SL 130-2-1.4	Hillman State Park	Mine Drainage Pollution Abatement	76,735.00 3,830.00 C.O. #1	80,565.00	-0-
SL 130-3	Raccoon Creek Smith Township	Abatement and Recla- mation Smith Township	300,000.00 65,000.00 Amendment 119,553.90 Credit	245,446.10	-0-
SL 130-3-1A	Raccoon Creek Smith Township	Acid Mine Drainage Pollution Abatement Facilities	384,195.00 28,569.25 C.O. #1 11,361.99 C.O. #2 (Credit)	401,402.26	-0-
SL 130-4	Raccoon Creek	Core Drilling Langeloth Mine	2,575.15 353.33 Credit	2,221.82	-0-
SL 130-5	Raccoon Creek	Quick Start Project Filling in Sinkhole	13,900.00 30.80 C.O. #1 (Credit)	13,869.20	-0-
SL 130-7	Raccoon Creek	Watershed Study	45,733.33 4,833.33 Amendment (Credit) 81.60 Credit	40,818.40	-0-
SL 130-7-1	Raccoon Creek	Design of Abatement Measures	18,625.00 15,346.39 Amendment 3,957.38 Credit	30,014.01	-0-
SL 130-7-2	Raccoon Creek	Site Evaluation	53,150.00 6,850.00 Amendment 89,600.00 Amendment 104,853.67 Credit	44,746.33	-0-
SL 130-8*	Raccoon Creek	Demonstration Project	30,529.67 2,854.60 Amendment 2,135.86 Amendment	35,520.13	-0-
SL 130-10- 101.1	Smith Township	Channel Construction	9,915.00 234.85 C.O. #1 (Credit)	9,680.15	-0-
SL 142	Pigeon Creek Carroll Township	In House- Design Dept. Environmental Resources	-0-	-0-	-0-
SL 142-1	Pigeon Creek	Treatment Plant - Construction	46,182.11 4,945.00 C.O. #1 2,060.37 C.O. #2	53,187.48	-0-
SL 142-2	Pigeon Creek	Design and Construction of Mine Drainage Control Facility	-0-	-0-	-0-
<b>TOTALS</b>			<b>\$ 5,174,054.53</b>	<b>\$ 5,174,054.53</b>	<b>\$ -0-</b>
<i>AIR POLLUTION</i>					
SL 205	Chartiers Township	Huston Refuse Bank	\$ 128,570.00 12,850.00 C.O. #1 (Credit) 9,700.00 C.O. #2 184.96 Credit	\$ 125,235.04	\$ -0-

\* Partial Federal Funding

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>AIR POLLUTION (Continued)</i>					
SL 206	N. Strabane Township	Extinguishment of refuse fire along Interstate 79 by drilling of holes and injection of fly ash slurry under pressure	\$ 4,000.00 12.00	\$ 3,988.00 Amendment (Credit)	\$ -0-
SL 214	East Bethlehem Township	Extinguishment of culm bank fire	9,900.00 2,735.01	7,164.99 Credit	-0-
<b>TOTALS</b>			<b>\$ 136,388.03</b>	<b>\$ 136,388.03</b>	<b>\$ -0-</b>
<i>UNDERGROUND MINE FIRES</i>					
ASL 302	City of Monongahela	ARDP #20	\$ 72,580.00	\$ 72,580.00	\$ -0-
ASL 312	Smith Township	ARDP #26	54,500.00	54,500.00	-0-
SL 318	Independence Township	Subsurface Mine Fire Dept. Env. Resources	-0-	-0-	-0-
SL 320	Carroll Township	Burning Mine Refuse located between Monongahela and Donora on Rt. No. 837	4,880.00 131.20	4,748.80 Credit	-0-
SL 323	West Pike Run Township	Subsurface Mine Fire	10,910.00 .55	10,909.45 C.O. #1 (Credit)	-0-
SL 328	West Pike Township	Underground Mine Fire	49,999.00 13,200.00 8,764.05	71,963.05 C.O. #1 C.O. #2	-0-
SL 341-101.1	Village of Gibson	Underground Mine Fire	7,880.00 1,674.00	6,206.00 C.O. #1 (Credit)	-0-
SL 348-101.5	Smith Township	Exploratory Drilling	-0-		
<b>TOTALS</b>			<b>\$ 220,907.30</b>	<b>\$ 220,907.30</b>	<b>\$ -0-</b>
<i>MINE SUBSIDENCE</i>					
SL 429	Pittsburgh Coal Seam	Fly Ash Injection	\$ 24,280.00 1,507.83	\$ 22,772.17 C.O. #1 (Credit)	\$ -0-
SL 432	New Eagle Borough	Subsidence	19,790.00 45.48	19,744.52 Amendment (Credit)	-0-
SL 437	California Borough	Mine Subsidence	99,949.00 20,518.68	79,430.32 C.O. #1 (Credit)	-0-
SL 437-1A	California Borough	Fly Ash Injection	142,500.00 22,145.30	120,354.70 C.O. #1 (Credit)	-0-
SL 474-102.5	Borough of McDonald	Core Boring Subsurface Investigation	1,806.62 397.48	1,409.14 C.O. #1 (Credit)	-0-
SL 487-201.5	Chartiers Township	Subsurface Investigation	9,465.00 941.87	8,523.13 C.O. #1 (Credit)	-0-
SL 496-101.5	Twilight Borough	Design	5,700.00 888.30	4,811.70 C.O. #1 (Credit)	-0-
SL 496-201.1	Twilight Borough	Mine Subsidence Control	71,805.00 28,781.43	43,023.57 C.O. #1 (Credit)	-0-
<b>TOTALS</b>			<b>\$ 300,069.25</b>	<b>\$ 300,069.25</b>	<b>\$ -0-</b>
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES</i>			<b>\$ 5,831,419.11</b>	<b>\$ 5,831,419.11</b>	<b>\$ -0-</b>

## WAYNE COUNTY

*STREAM POLLUTION*

SL 139	Upper Lackawanna River	Pollution Abatement Survey	\$ 34,100.00 133.33 4.42	\$ 34,228.91 Amendment Credit	\$ -0-
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<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 139-4	Lackawanna River Watershed	Strip-Mine Drainage Pollution Abatement	\$ 45,818.00	\$ 45,818.00	\$ -0-
<i>STREAM POLLUTION TOTALS</i>			<u>\$ 80,046.91</u>	<u>\$ 80,046.91</u>	<u>\$ -0-</u>

**WESTMORELAND COUNTY****STREAM POLLUTION**

SL 103	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs	\$ 6,250.00	\$ 6,250.00	\$ -0-
SL 103-2	Youghiogheny Watershed	Survey to recommend abatement measures needed and determine costs	72,515.75 11,212.89 Credit	61,302.86	-0-
SL 103-4	Youghiogheny Watershed	Site Evaluation Latrobe Syncline	48,000.00 9,500.00 Amendment	57,500.00	-0-
SL 103-4A	Southern Latrobe Syncline	Engineering for exploratory program	92,100.00 12,112.00 Amendment (Credit) 28,612.71 Credit	51,375.29	-0-
SL 103-4A-101.5	Latrobe Syncline	Subsurface Exploration	17,465.00 1,320.00 C.O. #1 (Credit)	16,145.00	-0-
SL 103-5	Irwin Cyncline Basin	Syncline Mine Drainage Study	82,400.00 27,785.00 Amendment 7,300.00 Amendment 11,385.00 Amendment 21,500.00 Amendment 2,449.03 Credit	147,920.97	-0-
SL 103-5-1	Thorn Run Watershed	Design of Reclamation Project	-0-	-0-	-0-
SL 103-5-101.1	Thorn Run Watershed	Mine Drainage Pollution Abatement	44,972.50 2,400.00 C.O. #1 3,252.00 C.O. #2	50,624.50	-0-
SL 103-5-101.5	Indian Creek and Casselman River Watersheds	Exploratory Drilling	24,750.00 3,023.50 Credit	21,726.50	-0-
SL 103-5-101.9	Thorn Run Watershed	Aerial Photo and Mapping	2,630.00	2,630.00	-0-
SL 103-5-2	Thorn Run Watershed	Mine Drainage Pollution Abatement - Area 1B	27,605.00 178.75 C.O. #1 (Credit)	27,426.25	-0-
SL 103-5-3-101.1	Long Run Watershed	Mine Drainage Pollution Abatement	78,249.00 12,697.47 C.O. #2 156.00 C.O. #3 (Credit)	90,790.47	-0-
SL 103-5-4	Irwin Syncline	Acid Mine Drainage Sampling Project	3,500.00	3,500.00	-0-
SL 103-5-5	Irwin Syncline	Engineering Study	3,850.00	3,850.00	-0-
SL 122	Loyalhanna Creek	Engineering Survey to recommend abatement measures	107,500.00 15,740.00 C.O. #1	123,240.00	-0-
SL 122-1	Loyalhanna Creek	Acid Mine Drainage project St. Vincent Refuse Pile moving-covering	12,982.00	12,982.00	-0-
SL 122-2	Keystone State Park	Landscape Restoration	30,000.00 337.10 Amendment	30,337.10	-0-
SL 122-2-1	Keystone State Park Derry Township	Regrading and treatment of mine refuse	64,550.00	64,550.00	-0-
SL 122-3	Keystone State Park	Deep Mine Seals and Curtain Grouting	14,698.00 6,080.90 C.O. #1	20,778.90	-0-



<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<b>STREAM POLLUTION (Continued)</b>					
SL 122-3-1	Keystone State Park	Additional Grouting	\$ 21,560.00 1,982.00 C.O. #1 2,106.25 C.O. #2 (Credit)	\$ 21,435.75	\$ -0-
SL 122-4-1	Hannestown Salem Township	Refuse Pile Restoration	777,270.00 6,750.00 C.O. #2 5,563.53 C.O. #3 22,505.53 Credit	767,078.00	-0-
SL 122-4-3	Shieldsburg Salem Township	Refuse Pile Restoration	490,306.00 22,800.00 C.O. #1 4,487.50 C.O. #3 9,479.70 C.O. #4	527,073.20	-0-
SL 122-5	Loyalhanna Watershed	Pre-design Investigation and Design for Treatment Plant	701,903.88 552,442.24 (Credit)	149,461.64	-0-
SL 142-3	Mon Valley	Design - Caustic Soda Treatment Facility	11,260.00 11,000.00 Amendment 450.00 Amendment 5,730.47 Amendment 12,000.00 Amendment	40,440.47	-0-
SL 142-3- 101.11	Mon Valley	General Construction	46,948.00 800.00 C.O. #1 968.00 C.O. #2 12,603.05 C.O. #3	61,319.05	-0-
SL 142-3- 101.12	Mon Valley	Ventilating Work	7,900.00	7,900.00	-0-
SL 142-3- 101.14	Mon Valley	Electrical Work	7,297.00	7,297.00	-0-
SL 142-3- 201.13	Mon Valley	Mechanical/Plumbing Work	55,789.00 5,668.00 C.O. #2	61,457.00	-0-
SL 146	Turtle Creek	Pollution Abatement	31,762.00 27,600.00 Amendment	59,362.00	-0-
SL 146-1	Turtle Creek	Investigation of the Del-Exmine drainage discharge and design and supervision of construction of abate- ment measures	32,700.00 11,545.00 Amendment 11,604.27 Credit	32,640.73	-0-
SL 146-4	Turtle Creek	Surface Water Control and Mine Sealing	14,515.00 1,600.00 C.O. #1	16,115.00	-0-
		<b>TOTALS</b>	<b>\$ 2,544,509.68</b>	<b>\$ 2,544,509.68</b>	<b>\$ -0-</b>
<b>AIR POLLUTION</b>					
SL 215	New Kensington	Burning Bank	\$ 45,900.00 19,498.75 C.O. #1 (Credit)	\$ 26,401.25	\$ -0-
		<b>TOTALS</b>	<b>\$ 26,401.25</b>	<b>\$ 26,401.25</b>	<b>\$ -0-</b>
<b>UNDERGROUND MINE FIRES</b>					
SL 315	Monessen	Subsurface Mine Fire	\$ 68,900.00 16,100.00 C.O. #2 1,600.00 C.O. #3 16.15 Credit	\$ 86,583.85	\$ -0-
SL 333	East Huntingdon Township	Subsurface Mine Fire U.S. Steel	25,140.00	25,140.00	-0-
SL 334	East Huntingdon Township	Mine Fire Control Project Hyskill Property	71,918.75 3,465.00 C.O. #1 3,487.99 C.O. #3 (Credit)	71,895.76	-0-
		<b>TOTALS</b>	<b>\$ 183,619.61</b>	<b>\$ 183,619.61</b>	<b>\$ -0-</b>
<b>MINE SUBSIDENCE</b>					
SL 407	N. Huntingdon Twp. Ormsby Drive	Surface Stabilization	\$ 97,790.00 86,893.65 Credit	\$ 10,896.35	\$ -0-
SL 421	Belle Vernon	Subsidence	27,150.00 115.22 C.O. #1 (Credit)	27,034.78	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>MINE SUBSIDENCE (Continued)</i>					
SL 421-1	N. Belle Vernon	Subsidence	\$ 7,600.00 26.79 C.O. #1 (Credit)	\$ 7,573.21	\$ -0-
SL 428	N. Huntingdon Twp. Lincoln Way	Surface Subsidence	34,850.00 8,815.98 C.O. #1 (Credit)	26,034.02	-0-
SL 428-102.5	N. Huntingdon Twp. Lincoln Way	Core Boring	3,446.00 778.00 C.O. #1	4,224.00	-0-
SL 434	City of New Kensington	Subsidence	24,940.00 7,968.54 C.O. #1 (Credit)	16,971.46	-0-
SL 434-102.5	City of New Kensington	Core Boring	10,123.00 95.90 C.O. #1	10,218.90	-0-
SL 435	Gosser Hill	Fly Ash Injection	9,470.00 1,036.12 C.O. #1	10,506.12	-0-
SL 464-101.5	Borough of North Belle Vernon	Subsurface Investigation	8,584.50 538.25 C.O. #1	9,122.75	-0-
SL 467-101.1	Mt. Pleasant Township	Backfilling Sinkhole	1,840.00 1,140.00 C.O. #1 (Credit)	700.00	-0-
SL 478-1- 101.5	City of Arnold	Core Boring	35,964.80 819.90 C.O. #1	36,784.70	-0-
SL 490-101.1	Unity Township	Mine Subsidence Control	29,294.20 9,770.92 C.O. #1 (Credit)	19,523.28	-0-
SL 495-101.5	North Huntingdon Twp.	Exploratory Drilling	4,986.50 682.25 C.O. #1 (Credit)	4,304.25	-0-
		<b>TOTALS</b>	<b>\$ 183,893.82</b>	<b>\$ 183,893.82</b>	<b>\$ -0-</b>
<i>STREAM POLLUTION</i>					
<i>AIR POLLUTION</i>					
<i>UNDERGROUND MINE FIRES</i>					
<i>MINE SUBSIDENCE</i>					
		<b>TOTALS</b>	<b>\$ 2,938,424.36</b>	<b>\$ 2,938,424.36</b>	<b>\$ -0-</b>

**WYOMING COUNTY***STREAM POLLUTION*

SL 188	Loyalsock Creek Watershed	Mine Drainage Survey	\$ 26,843.95 1,000.00 Amendment	\$ 27,843.95	\$ -0-
		<b>TOTALS</b>	<b>\$ 27,843.95</b>	<b>\$ 27,843.95</b>	<b>\$ -0-</b>

*STATEWIDE**STREAM POLLUTION*

SL 100		Aerial Photography Engineering Technical Work	\$ 37,500.00	\$ 37,500.00	\$ -0-
SL 100		Mining and Geological Evaluation for Abandoned Mine Drainage Studies	8,000.00 7,000.00 Amendment 7,313.93 Credit	7,686.07	-0-
SL 100		Topographical Mapping	50,000.00 707.45 Credit	49,292.55	-0-
SL 100		Mapping, Engineering, Aerial Photography and Technical Work	50,000.00 6,000.00 Amendment 900.00 Amendment	56,900.00	-0-
SL 100		Aerial Survey Ground Survey Orthophoto Maps	74,500.00	74,500.00	-0-
SL 100		Engineering Services	50,000.00	50,000.00	-0-
SL 100		Ortho Photo Mapping Construction	92,160.00	92,160.00	-0-

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 100		Technical Services	\$ 103,325.00 105.00 Credit	\$ 103,220.00	\$ -0-
SL 100		Water Samples	20,000.00 232.00 Credit	19,768.00	-0-
SL 100		Laboratory Analysis	37,370.00	37,370.00	-0-
SL 100-1		Testing Laboratories Services	58,710.00 5,384.87 Credit	53,325.13	-0-
SL 100-2		Aerial Photo Service	15,000.00 .53 Credit	14,999.47	-0-
SL 100-2-7*		Aerial Photo Service	12,500.00 12,000.00 Amendment 47,000.00 Amendment 9,851.90 Amendment (Credit) 9,859.92 Credit	51,788.18	-0-
SL 100-2-8		Aerial Photo Service	80,000.00 30,000.00 Amendment 68,000.00 Amendment 60,697.65 Credit	117,302.35	-0-
SL 100-3		Soils Engineering	3,000.00 2,429.27 Credit	570.73	-0-
SL 100-3-77		Soils Engineering	2,500.00 2,196.62 Credit	303.38	-0-
SL 100-4		Service Testing Laboratories	33,134.00 7,092.39 Credit	26,041.61	-0-
SL 100-4-77		Laboratory Services	24,820.00 1,575.00 Amendment 17,737.86 Credit	8,657.14	-0-
SL 100-5A-75	Anthracite Area	Mechanical Maintenance for Acid Mine Drainage Treatment Plants	8,153.00 2,000.00 C.O. #1 10,000.00 C.O. #2 5,000.00 C.O. #3 3,000.00 C.O. #4 12,000.00 C.O. #5 6,000.00 C.O. #6 12,000.00 C.O. #7 3,532.73 Credit	54,620.27	-0-
SL 100-5-81	Anthracite Region	Mechanical Maintenance for Acid Mine Drainage Treatment Plants	13,110.00 8,312.07 Credit	4,797.93	-0-
SL 100-5-82	Mechanical Maintenance for AMD Treatment Plants	Russell L. Blyler C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 Credit	13,000.00 6,000.00 6,000.00 6,000.00 4,000.00 10,000.00 9,033.21	35,966.79	
SL 100-7		Coal Refuse Testing Services	3,000.00 2,652.86 Credit	347.14	-0-
SL 100-8-76	Anthracite Area	Electrical Maintenance Acid Mine Drainage Treatment Plants	14,826.00	14,826.00	-0-
SL 100-8-77	Anthracite Area	Electrical Maintenance Acid Mine Drainage Treatment Plants	12,887.00 860.40 Credit	12,026.60	-0-
SL 100-8-78A	Anthracite Area	Electrical Maintenance Acid Mine Drainage Treatment Plants	15,517.50 10,000.00 C.O. #1 10,000.00 C.O. #2 14,000.00 C.O. #3 5,000.00 C.O. #4 4,517.76 Credit	49,999.74	-0-
SL 100-8-84	Anthracite Region	Electrical Maintenance for AMD Treatment Plants	10,455.00 4,000.00 C.O. #1 5,144.09 Credit	9,310.91	-0-

\* \$29,800.00 from Johnstown Flood Fund (01-92-77-3)

<u>Project Number</u>	<u>Location</u>	<u>Description</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
<i>STREAM POLLUTION (Continued)</i>					
SL 100-9-101.2		One (1) Year On-Call Hydrogeologist Services	\$ 10,000.00 10,000.00 Credit	\$ -0-	\$ -0-
SL 101		Five (5) Mobile Lime Neutralization Plants	70,860.85	70,860.85	-0-
SL 1-94:1-101.11		Testing Laboratory Services	<u>15,865.00</u>	<u>15,865.00</u>	<u>-0-</u>
		<b>TOTALS</b>	<b>\$ <u>1,070,005.84</u></b>	<b>\$ <u>1,070,005.84</u></b>	<b>\$ <u>-0-</u></b>
<i>AIR POLLUTION</i>					
SL 200		Aerial Photograph	\$ 6,250.00	\$ 6,250.00	\$ -0-
SL 200-1		Elimination of Air Pollution from Mine Refuse Fires	38,800.00 21,192.00 Credit	17,608.00	-0-
		<b>TOTALS</b>	<b>\$ <u>23,858.00</u></b>	<b>\$ <u>23,858.00</u></b>	<b>\$ <u>-0-</u></b>
<i>UNDERGROUND MINE FIRES</i>					
SL 300		Aerial Photography	<u>\$ 3,125.00</u>	<u>\$ 3,125.00</u>	<u>\$ -0-</u>
<i>SURFACE SUBSIDENCE</i>					
SL 400		Aerial Photography	<u>\$ 3,125.00</u>	<u>\$ 3,125.00</u>	<u>\$ -0-</u>
<i>STREAM POLLUTION - AIR POLLUTION - UNDERGROUND MINE FIRES - SURFACE SUBSIDENCE</i>					
		<b>TOTALS</b>	<b>\$ <u>1,100,113.84</u></b>	<b>\$ <u>1,100,113.84</u></b>	<b>\$ <u>-0-</u></b>

## SUMMARY OF PROJECTS BY COUNTY

<u>County</u>	<u>Projects</u>	<u>Encumbered</u>	<u>Disbursed</u>	<u>Balance</u>
Allegheny	114	\$ 4,448,416.76	\$ 4,448,416.76	\$ -0-
Armstrong	7	324,399.02	324,399.02	-0-
Beaver	9	2,118,893.47	2,118,893.47	-0-
Blair	12	5,305,556.56	5,305,556.56	-0-
Butler	60	6,486,491.05	6,486,491.05	-0-
Cambria	25	4,078,519.81	4,078,519.81	-0-
Cameron	1	67,674.05	67,674.05	-0-
Carbon	8	715,837.42	715,837.42	-0-
Centre	21	1,161,039.58	1,161,039.58	-0-
Clarion	33	3,295,983.79	3,295,983.79	-0-
Clearfield	52	5,273,378.67	5,273,378.67	-0-
Clinton	12	757,499.95	757,499.95	-0-
Columbia	3	2,926,822.66	2,926,822.66	-0-
Dauphin	7	2,065,421.62	2,065,421.62	-0-
Elk	48	3,721,048.53	3,599,294.53	121,754.00
Fayette	53	4,163,724.37	4,163,724.37	-0-
Greene	2	21,085.00	21,085.00	-0-
Huntingdon	3	242,444.43	242,444.43	-0-
Indiana	49	6,722,973.78	6,722,973.78	-0-
Jefferson	10	379,272.78	379,272.78	-0-
Lackawanna	51	37,256,059.62	37,256,059.62	-0-
Lawrence	1	21,720.00	21,720.00	-0-
Lebanon	1	55,185.45	55,185.45	-0-
Luzerne	52	22,678,732.59	22,660,539.26	18,193.33
Lycoming	4	149,321.02	149,321.02	-0-
Mercer	5	416,121.53	416,121.53	-0-
Northumberland	15	10,829,530.51	10,829,530.51	-0-
Schuylkill	78	22,489,474.15	22,476,113.51	13,360.64
Somerset	21	3,919,404.99	3,919,404.99	-0-
Sullivan	1	27,843.96	27,843.96	-0-
Susquehanna	1	34,228.91	34,228.91	-0-
Tioga	7	752,219.60	752,219.60	-0-
Venango	24	1,015,551.80	1,015,551.80	-0-
Washington	51	5,831,419.11	5,831,419.11	-0-
Wayne	2	80,046.91	80,046.91	-0-
Westmoreland	48	2,938,424.36	2,938,424.36	-0-
Wyoming	1	27,843.95	27,843.95	-0-
Statewide	<u>33</u>	<u>1,100,113.84</u>	<u>1,100,113.84</u>	<u>-0-</u>
<b>TOTAL</b>	<b><u>925</u></b>	<b><u>\$ 163,899,725.60</u></b>	<b><u>\$ 163,746,417.63</u></b>	<b><u>\$ 153,307.97</u></b>

## CONTRACTS WITH FEDERAL SHARES

<u>Project Number and Location</u>	<u>Description and Contractor</u>	<u>Contract Amount</u>	<u>Federal Share</u>	<u>State Share</u>	<u>Status</u>
<b>STREAM POLLUTION</b>					
<b>ALLEGHENY COUNTY</b>					
SL 130-8 Raccoon Creek	Demonstration Project A. C. Ackenheil and Associates, Inc.	\$ 30,529.66 2,854.60 <u>2,135.87</u>	\$ 14,654.00* (EPA)	\$ 20,866.13	Completed
	<b>TOTAL</b>	<b>\$ 35,520.13</b>			
<b>BEAVER COUNTY</b>					
SL 130-8 Raccoon Creek	Demonstration Project A. C. Ackenheil and Associates, Inc.	\$ 30,529.67 2,854.60 <u>2,135.87</u>	\$ 14,654.00* (EPA)	\$ 20,866.14	Completed
	<b>TOTAL</b>	<b>\$ 35,520.14</b>			
<b>CLARION COUNTY</b>					
AWSP 16:1 Farmington Twp.	Sealing Abandoned Oil & Gas Wells M. F. Fetterolf Coal Co., Inc.	\$ 54,570.00 11,900.00 <u>22,436.35</u>	\$ 36,327.77 (ARC)	\$ 7,705.88	Completed
		C.O. #1 C.O. #2 (Credit)			
	<b>TOTAL</b>	<b>\$ 44,033.65</b>	<b>Total</b>		
AWSP 16:2 Washington, Knox and Farmington Townships	Sealing Abandoned Oil & Gas Wells Etzel Gas Co.	\$ 107,850.00 17,750.00 <u>3,668.50</u>	91,448.63 (ARC)	30,482.87	Completed
		C.O. #1 C.O. #2 (Credit)			
	<b>TOTALS</b>	<b>\$ 121,931.50</b>	<b>Total</b>		
	<b>TOTALS</b>	<b>\$ 165,965.15</b>	<b>\$ 127,776.40</b>	<b>\$ 38,188.75</b>	
<b>CLINTON COUNTY</b>					
EER-130-A Crowley Hollow Run Watershed	Consulting Services Pa. State University	\$ 146,245.00 12,000.00 .04	\$ 73,122.50 (EPA)	\$ 73,122.50 12,000.00 .04	Completed Credit
		Amendment Credit			
EER-130-B Crowley Hollow Run Watershed	Engineering Study Geo-Technical Services	37,747.00	18,873.50	18,873.50	Completed
	<b>TOTALS</b>	<b>\$ 195,991.96</b>	<b>\$ 91,996.00</b>	<b>\$ 103,995.96</b>	
<b>TIOGA COUNTY</b>					
SL 136 Tioga River	Design of Abatement Project Remedial Work Gannett Fleming Corddry & Carpenter, Inc.	\$ 183,780.00 37,500.00 14,000.00 6,486.00 1,643.52 <u>7,271.75</u>	\$ 161,137.77 (EPA)	\$ -0-	Completed
		Amendment (Credit) Amendment Amendment Amendment (Credit)			
	<b>TOTAL</b>	<b>\$ 161,137.77</b>	<b>Total</b>		
SL 136-2 Coal Creek and Morris Run Ward and Hamilton Townships	Construction Monitoring Stations and Weirs for Tioga River Demonstration Project Allegheny Mountain Co.	\$ 27,015.00 2,675.00 2,300.00 2,243.50 <u>34,233.50</u>	34,233.50 (EPA)	-0-	Completed
		C.O. #2 C.O. #3 C.O. #4			
	<b>TOTAL</b>	<b>\$ 34,233.50</b>	<b>Total</b>		
SL 136-3	Abatement of AMD by Restoration of Strip Mine Pits Allegheny Mountain Co.	\$ 429,996.00 5,101.20 4,700.00 5,798.00 5,209.03 11,058.00 400.00 <u>462,262.23</u>	218,342.00* (EPA)	238,711.20 5,209.03	Completed (General Fund)
		C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7			
	<b>TOTAL</b>	<b>\$ 462,262.23</b>	<b>Total</b>		

\* Total EPA money for Projects SL 130-2-1.1B and SL 130-8 is \$300,000.00

<u>Project Number and Location</u>	<u>Description and Contractor</u>	<u>Contract Amount</u>	<u>Federal Share</u>	<u>State Share</u>	<u>Status</u>
<b>STREAM POLLUTION</b> (continued)					
<b>TIOGA COUNTY</b> (continued)					
SL 136-4 Ward Township	Transportation of Sewage Sludge - Tioga Demonstration Project Allegheny Mountain Co.	\$ 8,330.00	\$ 6,658.00*	\$ 1,672.00	Completed
<b>TOTALS</b>		<b>\$ 665,963.50</b>	<b>\$ 420,371.27</b>	<b>\$ 245,592.23</b>	
<b>WASHINGTON COUNTY</b>					
SL 130-2-1.1B Raccoon Creek Hillman State Park	Construction of Mine Drainage Pollution Abatement Facilities	\$ 1,156,795.00 1,743.47 C.O. #1 25,000.00 C.O. #3 15,000.00 C.O. #4 18,533.59 C.O. #6 (Credit)	\$ 256,038.00** (EPA)	\$ 923,966.88	Completed
		<b>\$ 1,180,004.88</b> Total			
SL 130-8 Raccoon Creek	Demonstration Project A. C. Ackenheil and Associates, Inc.	\$ 30,529.67 2,854.60 Amendment 2,135.86 Amendment	14,654.00** (EPA)	20,866.13	Completed
		<b>\$ 35,520.13</b> Total			
<b>TOTALS</b>		<b>\$ 1,215,525.01</b>	<b>\$ 270,692.00</b>	<b>\$ 944,833.01</b>	
<b>AIR POLLUTION</b>					
<b>LACKAWANNA COUNTY</b>					
SL 203 Taylor Borough	Burning Refuse Bank No. 1 Contracting Co.	\$ 1,352,285.15	\$ 750,000.00	\$ 602,285.15	Completed
<b>UNDERGROUND MINE FIRES</b>					
<b>ALLEGHENY COUNTY</b>					
ASL 301 Penn Hills Township	ARDP #38 U.S. Bureau of Mines	\$ 85,496.00	\$ 60,702.20 (ARC)	\$ 24,793.80	Completed
ASL 303 Boroughs of Plum and Monroeville	ARDP #17 U.S. Bureau of Mines	16,406.00	11,320.00 (ARC)	5,086.00	Completed
ASL 305 Moon Township	ARDP #28 U.S. Bureau of Mines	118,070.00	81,469.00 (ARC)	18,760.74 17,840.26 (General Fund)	Completed
ASL 306 Ken Ridge Drive Kennedy Township	ARDP #33 U.S. Bureau of Mines	23,712.00	16,360.35 (ARC)	7,351.65	Completed
ASL 311 West Mifflin	ARDP #13 U.S. Bureau of Mines	49,048.00	34,823.50 (ARC)	14,224.50	Completed
ASL 314 Delwar Road West Mifflin	ARDP #29 U.S. Bureau of Mines	54,658.00	38,806.60 (ARC)	15,851.40	Completed
<b>TOTALS</b>		<b>\$ 347,390.00</b>	<b>\$ 243,481.65</b>	<b>\$ 103,908.35</b>	
<b>COLUMBIA COUNTY</b>					
AMF-53 Centralia	U.S. Bureau of Mines	\$ 498,278.00	\$ 373,708.50 (ARC)	\$ 124,569.50	Completed
ASL 313 Centralia	ARDP #7 U.S. Bureau of Mines	2,385,587.00	1,693,766.56 (ARC)	51,820.44 640,000.00 (General Fund)	Completed
<b>TOTALS</b>		<b>\$ 2,883,865.00</b>	<b>\$ 2,067,475.06</b>	<b>\$ 816,389.94</b>	

\* Total EPA Money for Projects SL 136-3 and SL 136-4 is \$225,000.00

\*\* Total EPA Money for Projects SL 130-2-1.1B and SL 130-8 is \$300,000.00.  
These distributions are the best current estimates of the final figures.

<u>Project Number and Location</u>	<u>Description and Contractor</u>	<u>Contract Amount</u>	<u>Federal Share</u>	<u>State Share</u>	<u>Status</u>
<b>UNDERGROUND MINE FIRES</b> (continued)					
<b>FAYETTE COUNTY</b>					
OSM 26(038-78)101.1	Village of Percy	\$ 54,667.25	\$ 54,667.25	\$ -0-	Completed
ASL 304 Upper Tyrone Twp.	ARDP #39 U.S. Bureau of Mines	72,451.00	49,991.00 (ARC)	22,460.00	Completed
SL 335 Village of Prittsstown	Dragan & Son	40,020.00 12,225.00 6,869.46	44,335.85	14,778.61	Completed
					C.O. #1 C.O. #2
		\$ 59,114.46	Totals \$ 44,335.85	\$ 14,778.61	
	<b>TOTALS</b>	\$ 186,232.71	\$ 148,994.10	\$ 37,238.61	
<b>INDIANA COUNTY</b>					
ASL 310	ARDP #37	\$ 69,651.00	\$ 49,451.92 (ARC)	\$ 20,199.08	Completed
<b>LACKAWANNA COUNTY</b>					
ASL 308 City of Scranton	ARDP #8 U.S. Bureau of Mines	\$ 4,162,734.00	\$ 2,955,541.00 (ARC)	\$ 139,200.00 1,067,993.00	Completed (General Fund)
AMF 24*	ARDP #24 U.S. Bureau of Mines	2,319,518.00	1,646,858.00 (ARC)	179,942.00 492,718.00	Completed (General Fund)
		\$ 6,482,252.00	Totals \$ 4,602,399.00	\$ 1,879,853.00	
	<b>TOTALS</b>	\$ 10,048,200.65	\$ 6,384,073.32	\$ 3,664,127.32	
<b>LUZERNE COUNTY</b>					
OSM 40(522-83)101.1 Wilkes-Barre Twp. Luzerne County	Gravity Flushing Project Borehole No. 29	\$ 10,900.00 3,042.00	\$ 6,971.00	\$ 6,971.00	Completed
					C.O. #1
ASL 307 Borough of Swyersville Kingston Township	ARDP #36 U.S. Bureau of Mines	783,963.00	556,614.00 (ARC)	200,000.00 27,349.00	Completed (General Fund)
ASL 309 City of Hazleton	ARDP #35 U.S. Bureau of Mines	1,445,601.00	1,026,377.00 (ARC)	175,000.00 244,224.00	Completed (General Fund)
	<b>TOTALS</b>	\$ 2,243,506.00	\$ 1,589,962.00	\$ 653,544.00	
<b>NORTHUMBERLAND COUNTY</b>					
AMF-49 Glen Burn Shamokin	U.S. Bureau of Mines	\$ 405,689.00	\$ 304,267.00 (ARC)	\$ 101,422.00	Completed
<b>WASHINGTON COUNTY</b>					
ASL 302 City of Monongahela	ARDP #20 U.S. Bureau of Mines	\$ 72,580.00	\$ 50,080.00 (ARC)	\$ 22,500.00	Completed
ASL 312 Burgettstown Smith Township	ARDP #26 U.S. Bureau of Mines	54,500.00	38,694.27	15,805.73	Completed
	<b>TOTALS</b>	\$ 127,080.00	\$ 88,774.27	\$ 38,305.73	
<b>SURFACE SUBSIDENCE</b>					
<b>ALLEGHENY COUNTY</b>					
ASP-21 Birdville Elementary School, Harrison Township	Subsidence Control	\$ 265,117.50 313,500.00 67,280.50 19,103.25 9,022.37	\$ 146,788.00	\$ 489,029.12	Completed
					C.O. #1 C.O. #2 (Credit) C.O. #4
	<b>TOTALS</b>	\$ 635,817.12	\$ 146,788.00	\$ 489,029.12	

\* State Share from 39-02 charged to Administrative Costs



<u>Project Number and Location</u>	<u>Description and Contractor</u>	<u>Contract Amount</u>	<u>Federal Share</u>	<u>State Share</u>	<u>Status</u>
<b>SURFACE SUBSIDENCE (Continued)</b>					
<b>CLEARFIELD COUNTY</b>					
OSM 17(037-78)101,5	Borough of Clearfield	\$ 12,750.00 1,022.80 C.O. #1	\$ 12,750.00	\$ 1,022.80	Completed
	<b>TOTALS</b>	<b>\$ 13,772.80</b>	<b>\$ 12,750.00</b>	<b>\$ 1,022.80</b>	
<b>LACKAWANNA COUNTY</b>					
ASP 8 City of Carbondale	Hydraulic Flushing of Mine Voids Powderly Colliery C & S Excavating Co.	\$ 1,457,985.00 2.00 C.O. #1 (Credit) 23,707.78 C.O. #3 (Credit) <b>\$ 1,434,275.22</b> Total	\$ 1,075,706.42 (ARC)	\$ 358,568.80	Completed
ASP 11 City of Scranton Southside Section	Hydraulic Flushing of Mine Voids Abandoned Pine Brook Mine Stearns Service Co., Inc.	\$ 2,356,473.90 1,160.00 C.O. #1 (Credit) 239,858.53 C.O. #3 85,570.10 C.O. #4 (Credit) <b>\$ 2,509,602.33</b> Total	1,882,201.75 (ARC)	627,400.58	Completed
ASP 12 City of Scranton Hill Section	Filling Mine Voids Abandoned Pine Brook Mine No. 1 Contracting Co., Inc.	\$ 5,991,797.27 232,902.73 C.O. #2 (Credit) 900.00 C.O. #3 (Credit) 64,372.03 C.O. #4 (Credit) <b>\$ 5,693,622.51</b> Total	4,284,901.68 (ARC)	1,408,720.83	Completed
ASP 12-2* City of Scranton Hill Section	Hydraulic Flushing of Voids, Abandoned Pine Brook Mine, Phase II Empire Contracting Co.	\$ 4,597,304.06 6,125.00 C.O. #1 (Credit) 725,000.00 C.O. #2 12,925.00 C.O. #3 19.00 C.O. #5 (Credit) 572.87 C.O. #6 4,856.30 C.O. #7 931,287.53 C.O. #8 (Credit) <b>\$ 4,403,316.70</b> Total	3,628,257.15 (ARC)	775,059.55	Completed
SL 438 Minooka Section	Pilot/Demonstration Project. Filling Mine Voids - Blind Flushing upper 17 acres. Stearns Service Co.	\$ 1,066,333.84 2,350.00 C.O. #1 11,691.46 C.O. #3 (Credit) <b>\$ 1,056,992.38</b> Total	600,000.00 (BOM)	456,992.38	Completed
SL 463-101.1 Blakely Borough	Filling Mine Voids Abandoned Temple Coal Co. Empire Contracting Co.	\$ 3,674,253.50 2,600.00 C.O. #3 110,904.85 Credit <b>\$ 18,663,757.79</b>	1,837,126.75 (BOM)	1,728,821.90	Completed
	<b>TOTALS</b>	<b>\$ 18,663,757.79</b>	<b>\$ 13,308,193.75</b>	<b>\$ 5,355,564.04</b>	
<b>LUZERNE COUNTY</b>					
OSM 40(019-78)301.1 Nanticoke	Shaft Backfilling Backfilling Abandoned Colliery	\$ 20,000.00 2,655.04 C.O. #1 (Credit)	\$ 17,344.96	\$ -0-	Completed
SL 476-101.1 Wilkes-Barre Twp.	Filling Mine Voids Abandoned Empire Colliery	1,758,850.00 52,500.00 C.O. #1 (Credit) 276,000.00 C.O. #2 241,500.00 C.O. #4 4,580.00 C.O. #6 (Credit) <b>\$ 2,219,270.00</b> Totals	773,894.00	1,445,376.00	Completed
ASP 23 Wilkes-Barre	Subsidence Control	530,511.00	437,671.57	92,839.43	Completed
	<b>TOTALS</b>	<b>\$ 2,767,125.96</b>	<b>\$ 1,228,910.53</b>	<b>\$ 1,538,215.43</b>	

\* C.O. #6 and C.O. #7, State Share Only

## SUMMARY

<u>County</u>	<u>Contract Amount</u>	<u>Federal Share*</u>	<u>State Share**</u>
Allegheny	\$ 1,018,727.25	\$ 404,923.65	\$ 613,803.60
Beaver	35,520.14	14,654.00	20,866.14
Clarion	165,965.15	127,776.40	38,188.75
Clearfield	13,772.80	12,750.00	1,022.80
Clinton	195,991.96	91,996.00	103,995.96
Columbia	2,883,865.00	2,067,475.06	816,389.94
Fayette	186,232.71	148,994.10	37,238.61
Indiana	69,651.00	49,451.92	20,199.08
Lackawanna	26,498,294.94	18,563,428.76	7,934,866.18
Luzerne	5,010,631.96	2,818,872.53	2,191,759.43
Northumberland	405,689.00	304,267.00	101,422.00
Tioga	665,963.50	420,371.27	245,592.23
Washington	<u>1,342,605.01</u>	<u>359,466.27</u>	<u>983,138.74</u>
<b>TOTALS</b>	<b><u>\$ 38,492,910.42</u></b>	<b><u>\$ 25,384,426.96</u></b>	<b><u>\$ 13,108,483.46</u></b>

\* Does not include reimbursement for planning and engineering costs, if any.

\*\* \$2,495,333.29 of State Share money is from General Funds, as detailed. An additional \$179,942.00 was charged to Administrative Costs, as detailed.

## LIST OF ENGINEERING CONTRACTS

<u>Engineering Consultant</u>	<u>Project Number</u>	<u>Location</u>	<u>Contract Amount</u>
A.C. Ackenheil and Associates Geo Systems, Inc. 1000 Banksville Road Pittsburgh, Pennsylvania 15216	SL 102	Chartiers Creek	\$ 133,120.50
	SL 102-1	South Fayette Township	13,880.00
	SL 102-2	North Fayette Township	23,250.00
	SL 102-3	Chartiers Creek	66,655.00
	SL 102-3-4	Miller & Campbells Run	59,790.23
	SL 102-7	Chartiers Creek	183,136.71
	SL 130-2	Hillman state Park	75,420.00
	SL 130-2-1	Hillman State Park	121,810.00
	SL 130-7	Raccoon Creek	122,455.19
	SL 130-7-1	Raccoon Creek	30,014.01
	SL 130-7-2	Raccoon Creek	44,746.33
	SL 130-8	Hillman State Park	106,560.40
	SL 141-2	Redstone Creek	161,850.00
	SL 457-1-101.2	Freedom School District	135,633.33
		<u>\$ 1,278,321.70</u>	
Africa Engineers 107 Fourth Street Huntingdon, Pennsylvania 16652	SL 121	Trough Creek	\$ 25,317.83
Anthracite Research and Development Company 105 West Broad Street Tamaqua, Pennsylvania 18252	SL 112	Rausch Creek	\$ 341,601.74
	SL 126-3	Swatara Creek Watershed	47,700.00
		<u>\$ 389,301.74</u>	
Eugene Aufiero 3 North 67th Street Harrisburg, Pennsylvania	SL 132-2	Rattlesnake Creek	\$ 34,300.01
	SL 132-5-101.2	Little Toby Creek Watershed	53,391.39
		<u>\$ 87,691.40</u>	
Michael Baker, Jr., Inc. 4301 Dutch Ridge Road P.O. Box 280 Beaver, Pennsylvania 15009	SL 100	Statewide	\$ 74,500.00
	SL 108	East Branch Clarion River	150,100.00
	SL 108-1	Swamp Creek	60,639.46
	SL 108-3	Clarion River	24,110.00
	SL 108-4	Johnson River	30,010.00
	SL 126-2-11-101.2	Swatara Creek Watershed	15,810.06
	SL 133-4	Mill Creek	34,467.38
	SL 185	Blacklick Creek	181,528.01
SL 192-1	Piney Creek	28,560.02	
		<u>\$ 599,724.93</u>	
Bellante, Clauss, Miller and Nolan, Inc. Scranton, Pennsylvania 18503	SL 126-3-3	Lower Rausch Creek	\$ 10,595.14
	SL 174	Jeddo Tunnel	12,440.42
	SL 188	Loyalsock Creek	55,687.91
		<u>\$ 78,723.47</u>	
Berger Associates, Inc. Box 1943 Harrisburg, Pennsylvania 17105	SL 126	Swatara Creek Watershed	\$ 123,522.00
	SL 126-2A	Swatara Creek Watershed	13,490.20
	SL 126-2-6	Swatara Creek	184,675.21
	SL 126-2-8	Swatara Creek	18,690.00
	SL 195	Sinnemahoning Creek	203,022.15
	SL 195-1-101.2	Sinnemahoning Creek	41,685.72
		<u>\$ 585,085.28</u>	
Boyer Kantz 105 1/2 Main Street Wellsboro, Pennsylvania 16901	SL 145-1	Babb Creek	\$ 66,861.10
Branthoover & Richards, Inc. Harrisburg, Pennsylvania	SL 452-102.2	Belmar Jr. H.S.	\$ 133,727.56
Buchart-Horn, Inc. Consulting Engineers and Planners 612 West Market Street York, Pennsylvania 17405	SL 100-1	Statewide	\$ 53,325.13
	SL 100-4-77	Statewide	8,657.14
	SL 122	Loyalhanna Watershed	123,240.00
	SL 194	Licking Creek	179,497.75
		<u>\$ 364,720.02</u>	
Burns and Roe, Inc. 700 Kinderkamack Road Oradell, New Jersey 07649	SL 117	Philipsburg	\$ 367,034.04
Carson Engineers 1132 E. Pittsburgh Street Greensburg, Pennsylvania 15601	SL 159	Cowanshannock Creek	\$ 112,899.70
	SL 179	Stoney Creek	219,512.73
	SL 179-1	Stoney Creek Watershed	22,752.00
	SL 186	Georges Creek	183,900.00
	SL 186-1	Georges Creek	19,517.83
		<u>\$ 558,582.26</u>	
Chester Engineers, Inc. 843-845 Fourth Avenue Coraopolis, Pennsylvania 15108	SL 104	Slippery Rock Creek	\$ 53,046.41
	SL 114	Smith Township	66,630.16
	SL 123	Saw Mill Run	9,597.80
		<u>\$ 129,274.37</u>	

<u>Engineering Consultant</u>	<u>Project Number</u>	<u>Location</u>	<u>Contract Amount</u>
E. D'Appolonia 10 Duff Road Pittsburgh, Pennsylvania 15235	SL 107-2	Ernest Complex	\$ 48,900.00
	SL 130	Raccoon Creek	38,903.72
	SL 130-1	State Game Land #117	58,299.20
	SL 138	Cucumber Run, Ohio State Park	32,073.44
	SL 138-3	Cucumber Run, Ohio State Park	47,144.85
			<u>\$ 225,321.21</u>
Delta Associates 214 Oakland Avenue Punxsutawney, Pennsylvania 15767	SL 173	Mahoning Creek Watershed	\$ 28,969.64
Dravo Corporation One Oliver Plaza Pittsburgh, Pennsylvania 15222	SL 103-2	Youghiogheny Watershed	\$ 245,211.43
Engineering Mechanics, Inc. EMI Building 4636 Campbells Run Road Pittsburgh, Pennsylvania 15205	SL 162-1	Moon Run Watershed	\$ 34,697.62
English Engineering Corporation 659 East Third Street Williamsport, Pennsylvania 17701	SL 160	English Run	\$ 65,000.00
Erdman Anthony & Associates Camp Hill, Pennsylvania 17011	SL 113-5	Coal Run	\$ 89,709.64
Fayette Engineering Company 103 East Main Street Uniontown, Pennsylvania 15401	SL 141	Redstone Creek	\$ 9,812.00
Gannett Fleming Corddry & Carpenter, Inc. 207 Senate Avenue P.O. Box 1963 Camp Hill, Pennsylvania 17105	SL 111	Beech Creek	\$ 182,000.00
	SL 111-2	Beech Creek	26,988.00
	SL 112-19-101.2	Mahantango Creek Watershed	70,856.25
	SL 113	Shamokin Creek	165,000.00
	SL 113-4	Shamokin Watershed	67,110.69
	SL 126-1	Panther and Black Creeks	143,999.94
	SL 135	Catawissa Creek	80,000.00
	SL 136 (CR 109)	Tioga River	161,137.77
	SL 136-1	Morris Run	11,500.00
	SL 139-1-6	Lackawanna River Watershed	66,259.02
	SL 142-3	Monongahela River Basin	31,538.08
			<u>\$ 1,006,389.75</u>
General Analytics, Inc. 570 Beatty Road Pittsburgh, Pennsylvania 15146	SL 157	Piersons Run	\$ 8,359.41
	SL 450-2	Borough of Port Vue	8,271.33
			<u>\$ 16,630.74</u>
Geo-Surveys 401 Fallowfield Road Camp Hill, Pennsylvania 17011	SL 100-3	Statewide	\$ 570.73
	SL 100-3-77	Statewide	303.38
			<u>\$ 874.11</u>
Geo-Technical Services, Inc. 851 South 19th Street Harrisburg, Pennsylvania 17104	EER 130-B	Crowley Hollow Run	\$ 37,747.00
	SL 132-5-106.2	Little Toby Creek Watershed	101,558.09
	SL 132-5-107.2	Little Toby Creek Watershed	121,754.00
	SL 135-8	Wetzel Creek	48,913.45
	SL 135-10	Quakake Tunnel	170,482.05
	SL 135-11-101.6	Catawissa Creek	47,483.50
	SL 139-1-5	Aylesworth Creek	83,482.67
	SL 139-3	Fels Township	18,900.00
	SL 180-1-101.2	Solomon Creek	36,976.55
	SL 181-3	Solomon, Warrior and Nanticoke Creek	122,567.80
	SL 181-3-101.2	Sugar Notch Run Watershed	165,116.20
SL 181-4	Mill Creek Watershed	89,121.92	
			<u>\$ 1,044,103.23</u>
Green Engineering Company 504 Beaver Street Sewickley, Pennsylvania 15143	SL 110-5	Slippery Rock Creek	\$ 93,988.85
	SL 158	Yellow Creek	59,400.00
	SL 181-101.1	Wyoming Valley	105,018.41
			<u>\$ 258,407.26</u>
Green International, Inc. 504 Beaver Street Sewickley, Pennsylvania 15143	SL 100-4	Statewide	\$ 26,041.61
Gwin, Dobson & Foreman, Inc. 2900 Fairway Drive P.O. Box 1589 Altoona, Pennsylvania 16602	SL 105-3	Moraine State Park	\$ 44,500.00
	SL 110	Slippery Rock Creek	181,000.00
	SL 110-1	Slippery Rock Creek	115,510.44
	SL 110-2	Slippery Rock Creek	13,696.04
	SL 110-3	Slippery Rock Creek	129,323.03
	SL 110-4	Slippery Rock Creek	189,680.70
	SL 110-7	Slippery Rock Creek	45,115.00

<u>Engineering Consultant</u>	<u>Project Number</u>	<u>Location</u>	<u>Contract Amount</u>
Gwin, Dobson & Foreman, Inc. (Continued)	SL 116	Altoona	\$ 168,917.44
	SL116-5-101.2	Altoona Mine	12,268.34
	SL 131-1	Little Scrubgrass	16,000.00
	SL 144	State Game Lands #108, #184	17,069.68
	SL 163-3	West Branch Susquehanna River	193,500.00
	SL 169	Interstate 80	8,000.00
	SL 191	Toby Creek	110,621.03
	SL 191-1	Toby Creek	13,900.00
	SL 191-1-1	Toby Creek Watershed	76,421.83
	SL 192	Piney Creek	135,200.00
	SL 193	Deer Creek	136,645.87
	SL 193-1	Knox Township	8,715.00
	SL 193-1-1	Deer Creek Watershed	27,409.40
	SL 194-1	Licking Creek	11,475.00
	SL 1-94:1-101.11	Statewide	15,865.00
			<u>\$ 1,670,833.80</u>
Gwin Engineers, Inc. 1126 Eighth Avenue Altoona, Pennsylvania 16602	SL 103-5-101.9	Thorn Run	\$ 2,630.00
	SL 105	Moraine State Park	21,000.00
	SL 105-1	Moraine State Park	8,500.00
	SL 105-2	Moraine State Park	6,000.00
	SL 111-3	Beech Creek	10,859.58
	SL 111-4	Beech Creek Watershed	17,623.94
	SL 133-5	Mill Creek Watershed	66,000.00
	SL 1-17:1-101.2	Anderson Creek Watershed	24,926.60
	SL 1-17:1-101.6	Anderson Creek	62,214.00
	SL 1-73:1-104.2	Clearfield Creek Watershed	7,759.65
	SL 301	Plummer-Puritan	8,721.11
			<u>\$ 236,234.88</u>
Alex Hutchinson 508 Rebecca Avenue Pittsburgh, Pennsylvania 15221	SL 140	Chalfant Run	\$ 15,740.00
International Exploration, Inc. 577 Sackettsford Road Ivyland, Pennsylvania 18974	SL 455-101.2	Natrona Heights	\$ 91,973.54
L. Robert Kimball 615 W. Highland Avenue Ebensburg, Pennsylvania 15931	SL 100	Aerial Photography	\$ 37,500.00
	SL 100	Statewide	49,292.55
	SL 100	Aerial Photography	56,900.00
	SL 100-2	Aerial Photography	14,999.47
	SL 100-2-7	Aerial Photography	51,787.68
	SL 103-4	Latrobe Syncline	57,500.00
	SL 103-4A	Latrobe Syncline	51,375.29
	SL 107-1	Ernest Complex	30,581.86
	SL 107-1-1	Ernest Mine Drainage Treatment Plant	452,923.74
	SL 109	Two Lick Creek	231,906.72
	SL 109-1	Cherry Hill Township	30,574.56
	SL 109-3	Two Lick Creek	85,650.12
	SL 118	Shaw Complex	15,000.00
	SL 127-1	Grant Township	4,453.80
	SL 200	Statewide	6,250.00
	SL 300	Statewide	3,125.00
SL 400	Statewide	3,125.00	
		<u>\$ 1,182,945.79</u>	
Edwin F. Koppe 4407 Locust Lane Harrisburg, Pennsylvania 17109	SL 100	Statewide	\$ 7,686.07
	SL 100-10-101.2	Statewide	20,000.00
			<u>\$ 27,686.07</u>
Lee-Simpson Associates DuBois National Bank Building DuBois, Pennsylvania 15801	SL 132	Little Toby Creek	\$ 75,450.00
	SL 132-5	Little Toby Creek	63,160.14
		<u>\$ 138,610.14</u>	
John S. Lukens Associates P.O. Box 190 Shamokin, Pennsylvania 17872	SL 113-2	Shamokin Creek	\$ 80,572.57
A. W. Martin & Associates, Inc. 900 West Valley Forge Road King of Prussia, Pennsylvania 19406	SL 167	Little Schuylkill River	\$ 136,160.00
	SL 167-1	Silverbowl Basin	279,750.00
			<u>\$ 415,910.00</u>
McDonald-Phillips Engineers, Inc. 834 Ridge Avenue Pittsburgh, Pennsylvania 15212	SL 107-6	Crooked Creek	\$ 61,900.00
Meiser & Earl, Hydrogeologist 1512 W. College Avenue State college, Pennsylvania 18601	SL 100-9-101.2	Statewide	\$ 10,000.00
	SL 118-6	Shaw Mine Complex	137,664.00
			<u>\$ 147,664.00</u>
Nassaux-Hemsley, Inc. 308 Trust Building Chambersburg, Pennsylvania 17201	SL 107-7	Keystone Lake	\$ 88,963.24

<u>Engineering Consultant</u>	<u>Project Number</u>	<u>Location</u>	<u>Contract Amount</u>
Neilan Engineers 150 W. Union Street Somerset, Pennsylvania 15501	SL 115 SL 164-1	Kettle Creek Little Conemaugh River	\$ 58,000.00 45,631.13 <u>\$ 103,631.13</u>
Nicholas, Cowley, Brosch and Associates 3330 N. Third Street Harrisburg, Pennsylvania 17110	SL 126-1-2	Swatara Creek	\$ 22,585.80
Pantech Engineers, Inc. 340 Liberty Street Franklin, Pennsylvania 16323	SL 147	Big Scrubgrass Creek	\$ 84,300.00
Pennsylvania State University 207 Old Main Building University Park, Pennsylvania 16802	EER-130-A	Crowley Hollow Run Watershed	\$ 146,245.00
A. E. Peters Associates 301 N. Main Street Scranton, Pennsylvania 18504	SL 139 SL 139-1	Upper Lackawanna River Upper Lackawanna River	\$ 102,686.72 266,000.00 <u>\$ 368,686.72</u>
Sanders and Thomas First Federal Building Pottstown, Pennsylvania 19464	SL 170 SL 197	Wiconisco Creek Watershed Mahanoy Creek	\$ 96,251.94 127,942.79 <u>\$ 224,194.73</u>
H. R. B. Singer Box 60 Science Park State College, Pennsylvania 16802	SL 200-1	Four Sites	\$ 17,608.00
Skelly and Loy 2601 N. Front street Harrisburg, Pennsylvania 17110	SL 143 SL 143-3 SL 143-4 SL 155 SL 155-2 SL 155-9 SL 181-2 SL 1-73:1-101.2 SL 1-73:1-101.7 SL 1-73:1-102.2 SL 1-73:1-103.2	Alder Run Alder Run Alder Run Muddy Run Watershed Muddy Run Watershed Muddy Run Newport Creek Japling Run and Lost Creek Moshannon Creek Clearfield Creek Watershed Moshannon Creek Watershed	\$ 100,900.00 14,640.00 168,080.93 163,225.00 111,447.04 27,754.94 59,000.00 47,313.71 235,900.00 13,408.98 10,275.21 <u>\$ 951,945.81</u>
Swindell-Dressler 441 Smithfield Street Pittsburgh, Pennsylvania 15222	SL 103-5 SL 122-5	Irwin Syncline Basin Loyalhanna Creek	\$ 147,920.97 701,903.88 <u>\$ 849,824.85</u>
Toby Creek Watershed Association, Inc. Box 247 Brockway, Pennsylvania 15824	SL 132-5-104.2	Toby Creek	\$ 9,717.90
Trout Unlimited Penns Woods West Chapter 118 Ridgewood Avenue Pittsburgh, Pennsylvania 15229	SL 103-10-101.6	Glade Run Watershed	\$ 550.00
Valverde & Franco 415 N. Eighth Avenue Scranton, Pennsylvania 18503	SL 126-1-1	Swatara Creek	\$ 48,042.85
Westinghouse Corporation Philadelphia, Pennsylvania	SL 124	Wilkes-Barre	\$ 65,707.00
Roy F. Weston, Inc. Weston Way West Chester, Pennsylvania 19380	SL 112-17	Rausch Creek Treatment Plant	\$ 50,357.00
George Wright Box 122, R.D. #3 Valencia, Pennsylvania 16059	SL 146-1	Turtle Creek	\$ 32,640.73
R. E. Wright Associates, Inc. 3240 Schoolhouse Road Middletown, Pennsylvania 17057	SL 103-9-101.6	Glade Run Watershed	\$ 79,770.00
Yule, Jordan & Associates Cedar Cliff Drive P.O. Box 337 Camp Hill, Pennsylvania 17011	SL 115-2	Kettle Creek Watershed	\$ 30,133.01
		<b>TOTAL</b>	<u><u>\$ 14,960,508.50</u></u>

## BOND ISSUE PROJECTS COMPLETED

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
<i>STREAM POLLUTION ABATEMENT</i>				
AWSP 16:1* Farmington Township	Sealing abandoned oil and gas wells (6/74-12/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2 (Credit)	\$ 54,570.00 11,900.00 22,436.35	\$ 44,033.65
AWSP 16:2* Farmington Township Clarion County	Sealing abandoned oil and gas wells (4/75-9/75)	Etzel Gas Co. C.O. #1 C.O. #2 (Credit)	107,850.00 17,750.00 3,668.50	121,931.50
BM 113 Slippery Rock and Little Scrubgrass Butler and Venango Counties	Mechanical Maintenance (7/76-6/77)	L. M. Stevenson Co., Inc. Credit	3,000.00 957.84	2,042.16
BM 114 Slippery Rock Little Scrubgrass Butler and Venango Counties	Electrical Maintenance (7/76-6/77)	Fuellgraf Electric Co. Credit	3,000.00 1,208.23	1,791.77
BM 115 Hollywood and Swamp Creek Elk and Clearfield Counties	Electrical Maintenance (7/76-6/77)	Fuellgraf Electric Co. Credit	3,000.00 1,084.13	1,915.87
BM 116 Swamp Creek Elk County	Inspection Services (7/76-6/77)	Wilcox Sportsmen, Inc. Credit	7,000.00 1,100.00	5,900.00
BM 117 Hawk Run Clearfield County	Mechanical Maintenance (7/76-6/77)	James Hoyt Plumbing and Heating Credit	1,500.00 91.06	1,408.94
EER-130A* Crowley Hollow Run Watershed Clinton County	Consulting Services	Pennsylvania State University Amendment Credit	146,245.00 12,000.00 .04	158,244.96
EER-130-B* Crowley Hollow Run Watershed Clinton County	Engineering Study	Geo-Technical Services	37,747.00	37,747.00
SL 100 Statewide	Aerial Photography Engineering Technical Work (5/69-7/70)	L. Robert Kimball	37,500.00	37,500.00
SL 100 Statewide	Mining and Geological Evaluation for Abandoned Mine Drainage Studies	E. F. Koppe Amendment	8,000.00 7,000.00	7,686.07
SL 100 Statewide	Topographical Mapping (5/71-6/72)	Aerial Map Service Co. Credit	50,000.00 707.45	49,292.55
SL 100 Statewide	Mapping, engineering, aerial photography and technical work (1/72-2/75)	L. Robert Kimball Amendment Amendment	50,000.00 6,000.00 900.00	56,900.00
SL 100 Statewide	Aerial Survey Ground Survey Orthophoto Maps (4/72-11/72)	Michael Baker, Jr.	74,500.00	74,500.00
SL 100 Statewide	Engineering Services (9/70-5/72)	L. Robert Kimball	50,000.00	50,000.00
SL 100 Statewide	Ortho Photo Mapping Construction (6/71-12/71)	Aero Service Corporation	92,160.00	92,160.00
SL 100 Statewide	Technical Services (7/70-3/71)	Aero Service Corporation Credit	103,325.00 105.00	103,220.00
SL 100 Statewide	Water Samples (1/72-10/72)	Microbac Laboratories Credit	20,000.00 232.00	19,768.00
SL 100 Statewide	Laboratory Analysis (10/69-7/72)	Seewald Laboratories	37,370.00	37,370.00

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 100-1 Statewide	Testing Laboratories Services (10/73-6/75)	Buchart-Horn, Inc. Credit	\$ 58,710.00 5,384.87	\$ 53,325.13
SL 100-2 Statewide	Aerial Photo (5/75-10/76)	L. Robert Kimball Credit	15,000.00 .53	14,999.47
SL 100-2-7* Statewide	Aerial Photo Surface	L. Robert Kimball Amendment Amendment Amendment (Credit) Amendment (Credit)	12,500.00 12,000.00 47,000.00 9,851.90 9,859.92	51,787.68
SL 100-2-8 Statewide	Aerial Photo Service	PennDOT Amendment Amendment Credit	80,000.00 30,000.00 68,000.00 60,697.65	117,302.35
SL 100-3 Statewide	Soils Engineering (8/75-9/75)	Geo Surveys Credit	3,000.00 2,429.27	570.75
SL 100-3-77 Statewide	Soils Engineering	Geo Surveys Credit	2,500.00 2,196.62	303.38
SL 100-4 Statewide	Testing Laboratory Services (9/75-6/7)	Green International, Inc. Credit	33,134.00 7,092.39	26,041.61
SL 100-4-77 Statewide	Testing Laboratory Services (7/77-4/78)	Buchart-Horn, Inc. Amendment Credit	24,820.00 1,575.00 17,737.86	8,657.14
SL 100-5-81 Statewide	Mechanical Maintenance for AMD Treatment Plants in Anthracite Region	Russell L. Blyler Klingerstown, PA	13,110.00	4,797.93
SL 100-5-82	Mechanical Maintenance for AMD Treatment Plants	Russell L. Blyler C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 Credit	13,000.00 6,000.00 6,000.00 6,000.00 4,000.00 10,000.00 9,033.21	35,966.79
SL 100-5A-75 Statewide	Mechanical Maintenance for AMD Treatment Plants in Anthracite Region	Drew Development Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7 C.O. #8 (Credit)	8,153.00 2,000.00 10,000.00 5,000.00 3,000.00 12,000.00 6,000.00 12,000.00 3,532.73	54,620.27
SL 100-7 Statewide	Coal Refuse Testing Services	PennDOT Credit	3,000.00 2,652.86	347.14
SL 100-8-76 Statewide	Electrical Maintenance (1/77-6/78)	Marlin Electric Construction	14,826.00	14,826.00
SL 100-8-77 Statewide	Electrical Maintenance Anthracite Treatment Plants	George J. Hayden Credit	12,887.00 860.40	12,026.60
SL 100-8-78A Statewide	Electrical Maintenance Anthracite Region	George J. Hayden C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 (Credit)	15,517.50 10,000.00 10,000.00 14,000.00 5,000.00 4,572.03	49,945.47
SL 100-8-84 Statewide	Electrical Maintenance for AMD Treatment Plants	J. C. Electrical Contractor C.O. #1 (Credit)	10,455.00 4,000.00 5,144.09	9,310.91
SL 101 Statewide	5 Mobile Lime Neutralization Plants The Plants are available as required. (6/68-11/68)	Shirley Machine Company Scranton Tractor and Equipment Company Caroff Equipment Company	63,577.85 4,485.00 2,798.00	70,860.85
SL 102 Chartiers Creek Washington and Allegheny Counties	Survey to recommend pollution abatement measures needed and determine costs (4/68-3/70)	A. C. Ackenheil and Associates, Inc.  Amendment Credit	114,525.00  20,000.00 1,404.50	133,120.50
SL 102-1 South Fayette Twp. Allegheny County	Engineering Survey of Fishing Run (6/69-4/70)	A. C. Ackenheil & Associates, Inc.	13,880.00	13,880.00

\* \$29,800.00 from Johnstown Flood fund (01-92-77-3)



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 102-1-1 Chartiers Creek Allegheny County	Fishin Run - Project Area No. 1 Reconstruction of stream channels and diversion of drainage away from abandoned mine openings. (6/70-9/70)	Richard Construction Co. Credit	\$ 65,400.00 263.50	\$ 65,136.50
SL 102-2 Robinson, Toms Run Chartiers Creek Allegheny and Washington Counties	Design of Stream Channel Reconstruction and Diversion of Surface Mine Waters From Mine Openings; Area Nos. 2, 3 and 22 (6/69-4/74)	A. C. Ackenheil & Associates Amendment Amendment	13,210.00 7,740.00 2,300.00	23,250.00
SL 102-2-1 Chartiers Creek Allegheny and Washington Counties	Provide drainage channels in North Fayette and Robinson Townships. Project Areas No. 2 and 22. (5/73-5/74)	Alex E. Paris Contracting Co. C.O. #1 C.O. #2	45,200.00 5,800.00 12,891.00	63,891.00
SL 102-2-2 Chartiers Creek Watershed Allegheny County	Collier Township-Quick Start No. 3 Restore natural water to ground surface (2/73-5/73)	Sherwood Builders, Inc. C.O. #1	23,200.00 600.00	23,800.00
SL 102-3 Chartiers Creek Washington Counties	Design for Pollution Abatement Project. Areas 4 through 10 (4/70-11/74)	A. C. Ackenheil & Assoc., Inc. Amendment	63,355.00 3,300.00	66,655.00
SL 102-3-1 Chartiers Creek N. Fayette Township Allegheny County	Project Area #4. Abate acid mine drainage and restore natural drainage approximately one mile south of the Borough of Santiago (4/73-1/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2	62,800.00 543.35 876.00	64,219.35
SL 102-3-2 Chartiers Creek Robinson Township Washington County	Project Area No. 7 - Grade sink- holes and restore natural drainage approximately one to two miles from the town of McDonald. (3/73-10/73)	M. F. Fetterolf Coal Co., Inc. C.O. #1	37,500.00 95.00	37,595.00
SL 102-3-3 Chartiers Creek North Fayette Township Allegheny County	Project Areas Nos. 8, 9 and 10. Abate acid mine drainage and restore natural drainage approximately one to two miles from the Borough of Santiago. (5/73-11/73)	Alex E. Paris Contracting Co., Inc. C.O. #1	34,200.00 240.00	34,440.00
SL 102-3-4 Millers and Campbells Run, Chartiers Creek Allegheny County	Design for Abatement Facilities Project Areas 11 and 13 (5/71-12/76)	A. C. Ackenheil & Associates, Inc. Credit	64,547.00 4,756.77	59,790.23
SL 102-3-6 Chartiers Creek Robinson Township Allegheny County	Mine Drainage Pollution Abatement, Area 13 (10/73-11/74)	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit) C.O. #3 C.O. #4 C.O. #5	131,650.00 6,172.87 7,100.00 7,500.00 1,365.00	141,442.13
SL 102-4 North Strabane Township Washington County	Pollution Abatement (9/70-4/71)	Trans-Continental Construction Co. C.O. #1 C.O. #2 C.O. #3	82,962.00 5,400.00 6,750.00 7,500.00	102,612.00
SL 102-5 Settlers Cabin Park North Fayette Township Allegheny County	Acid Mine Drainage Study	Department of Environmental Resources		
SL 102-7 Chartiers Creek Watershed Washington and Allegheny Counties	Design for Abatement Facilities Project Areas 12, 14-17, 20 and 21 (2/73-8/77)	A. C. Ackenheil & Associates, Inc. Amendment Amendment Amendment (Credit)	184,641.00 17,239.00 3,000.00 21,743.29	183,136.71
SL 102-7-14 Chartiers Creek Robinson Run Allegheny County	Construction of Abatement Facilities Project Areas Nos. 14 and 17 (9/75-10/76)	Alex E. Paris Contract- ing Co. C.O. #1 C.O. #2 C.O. #3 C.O. #5 (Credit) C.O. #6	185,977.50 175.00 42,958.00 1,460.80 20,699.00 1,305.50	211,177.80
SL 102-7-15 Chartiers Creek Watershed Allegheny County	Construction of Abatement Facilities Project Area No. 15 (9/75-6/76)	Alex E. Paris Contract- ing Co. C.O. #1 C.O. #2 C.O. #4 C.O. #6 (Credit)	63,502.50 2,250.00 2,100.00 950.00 10.00	68,792.50

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 102-7-16 Chartiers Creek Watershed Allegheny County	Construction of Abatement Facilities (8/75-5/76)	Alex E. Paris Contracting Co. C.O. #1 C.O. #3 C.O. #4 (Credit)	\$ 40,099.50 6,750.00 6,075.00 2,497.50	\$ 50,427.00
SL 102-7-20 Chartiers Creek Allegheny County	Construction of Abatement Facilities Project Area No. 20 (8/75-6/76)	Alex E. Paris Contracting Co. C.O. #1 C.O. #3 C.O. #4	21,879.00 4,700.00 2,300.00 1,062.50	27,816.50
SL 102-7-21 Chartiers Creek Allegheny County	Mine Drainage Pollution Abatement (9/73-11/74)	Alex E. Paris Cont. Co., Inc. C.O. #4	132,825.00 3,115.00	135,940.00
SL 103 Youghiogheny Watershed Allegheny, Somerset, Fayette and Westmoreland Counties	Engineering Survey (6/68-2/69)	Dravo Corporation	25,000.00	25,000.00
SL 103-2 Youghiogheny Watershed Allegheny, Somerset, Fayette and Westmoreland Counties	Survey and Site Evaluation (6/69-3/75)	Dravo Corporation Credit	290,063.00 44,851.57	245,211.43
SL 103-4 Latrobe Syncline Youghiogheny Watershed Westmoreland County	Site Evaluation (12/73-2/75)	L. Robert Kimball Amendment	48,000.00 9,500.00	57,500.00
SL 103-4A Southern Latrobe Syncline Westmoreland County	Engineering for Exploratory Program	L. Robert Kimball Amendment (Credit)	92,100.00 12,112.00	51,375.29
SL 103-4A-101.5 Latrobe Syncline Youghiogheny Watershed Westmoreland County	Subsurface Exploration (8/78-9/78)	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	17,465.00 1,320.00	16,145.00
SL 103-5 Irwin Syncline Basin Westmoreland County	Site Evaluation (6/73-2/77)	Swindell-Dressler Co. Amendment Amendment Amendment Amendment Credit	82,400.00 27,785.00 7,300.00 11,385.00 21,500.00 2,449.03	147,920.97
SL 103-5-101.1 Thorn Run Watershed Salem Township Westmoreland County	Acid Mine Drainage Pollution Abatement (5/77-9/77)	David Shepler C.O. #1 C.O. #2	44,972.50 2,400.00 3,252.00	50,624.50
SL 103-5-101.5 Irwin Syncline Basin Youghiogheny and Turtle Creek Watersheds Westmoreland County	Exploratory Drilling (10/75-11/75)	McKay & Gould Drilling, Inc. C.O. #1 (Credit)	24,750.00 3,023.50	21,726.50
SL 103-5-101.9 Thorn Run Watershed Westmoreland County	Aerial Photography and Mapping (6/75-7/75)	Gwin Engineers, Inc.	2,630.00	2,630.00
SL 103-5-2 Thorn Run Westmoreland County	Mine Drainage Pollution Abatement Area 1B (9/76-11/76)	Donald R. Stephens T/A Soil Services C.O. #1 (Credit)	27,605.00 178.75	27,426.25
SL 103-5-3-101.1 Long Run Watershed Irwin Syncline Westmoreland County	Mine Drainage Pollution Abatement	Frank Irey, Jr., Inc. C.O. #2 C.O. #3 Credit	78,249.00 12,697.47 156.00	90,790.47
SL 103-5-3-101.2 Long Run Watershed Irwin Syncline Allegheny and Westmoreland Counties	Mine Drainage Pollution Abatement	In-House	-0-	-0-
SL 103-5-4 Turtle Creek Watershed Irwin Syncline Westmoreland County	Acid Mine Drainage Sampling Project	Turtle Creek Watershed Association	3,500.00	3,500.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 103-5-5 Turtle Creek Watershed Irwin Syncline Westmoreland County	Acid Mine Drainage Sampling Project	Turtle Creek Watershed Association	\$ 3,850.00	\$ 3,850.00
SL 103-6 Dunbar Creek Dunbar Township Fayette County	Acid Mine Drainage Study Furnace Mine No. 2	Department of Environmental Resources	-0-	-0-
SL 103-6-101.5 Dunbar Creek Dunbar Township Fayette County	Exploratory Drilling	Lambert, Inc. C.O. #1	8,127.50 3,137.75	11,265.25
SL 103-7-101.1 Dunbar Creek Dunbar Township Fayette County	Mine Drainage Pollution Abatement	Soil Services C.O. #1	3,357.00 800.18	4,157.18
SL 103-8 Mathews Strip Mine Dunbar Creek Watershed Dunbar Township Fayette County	Strip Mine Reclamation	Fayette County Conser- vation District Credit	65,000.00 17,221.59	47,778.41
SL 103-9-101.5 Mashudda Strip Mine Dunbar Creek Watershed Fayette County	Exploratory Drilling	Marts Drilling C.O. #1 (Credit) C.O. #2	25,595.50 312.01 112.25	25,171.24
SL 103-9-101.6 Mashada Strip Mine Dunbar Creek Watershed Fayette County	Site Evaluation - Acid Mine Drainage Abatement	R. E. Wright & Associates Amendment Amendment Credit	62,250.00 13,640.00 3,880.00 10,275.80	69,494.20
SL 103-10-101.6 Glade Run Fayette County	Sampling Program	Trout Unlimited Credit	1,400.00 850.00	550.00
SL 104 Slippery Rock Creek Butler County	Plant Design - Amendment provides for on-site engineering supervision and additional consultations (6/68-6/70)	Chester Engineers Amendment Credit	44,000.00 9,700.00 653.59	53,046.41
SL 104-1 Slippery Rock Creek Butler County	Treatment Plant (10/68-12/69)	Christopher Construc- tion Co. C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 Credit	674,900.00 4,722.00 9,820.00 2,613.41 2,711.72 3,458.32 1,000.00	697,225.45
SL 104-2 Slippery Rock Creek Butler County	Treatment Plant-Electrical Completed during February 1971 (5/69-2/71)	Fuellgraf Electric Corp. C.O. #1 Service Purchase Contract	53,667.00 907.00 335.00	54,574.00 335.00
SL 104-3 Slippery Rock Creek Butler County	Electrical Maintenance-Slippery Rock Plant (Harrisville) and Little Scrubgrass Plant (Clintonville) (4/72-7/74)	Fuellgraf Electric Corp. Credit	4,000.00 621.90	3,378.10
SL 104-3 Manor Township Butler County	Electric Power-Treatment Plant (3/68-2/72)	Central Electric Cooperative, Inc.	12,403.62	12,403.62
SL 104-3-77 Little Scrubgrass and Slippery Rock Creek Butler and Venango Counties	Electrical Maintenance	Fuellgraf Electric Co. Credit	3,000.00 812.73	2,187.27
SL 104-3-78 Slippery Rock, Little Scrubgrass and Wildwood Acid Mine Drainage Plants Allegheny, Butler and Venango Counties	Electrical Maintenance	Fuellgraf Electric Co. Credit	3,500.00 521.39	2,978.61
SL 104-3-80 Slippery Rock, Little Scrubgrass, Wildwood, Hollywood and Swamp Creek Acid Mine Drainage Plants, Allegheny, Butler, Clearfield, Elk and Venango Counties	Electrical Maintenance	Fuellgraf Electric Co.	11,373.50	7,905.57

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 104-3-82 Slippery Rock, Little Scrubgrass, Wildwood, Hollywood and Swamp Creek Acid Mine Drainage Plants, Allegheny, Butler, Clearfield, Elk and Venango Counties	Electrical Maintenance	R. D. Goss, Inc.	\$ 10,500.90	\$ 2,244.80
SL 104-4-77 Little Scrubgrass and Slippery Rock Creek Butler and Venango Counties	Electrical Maintenance (7/77-6/78)	L. M. Stevenson Co., Inc. Credit	3,000.00 .10	2,999.90
SL 104-4-78 Slippery Rock, Little Scrubgrass and Wildwood Acid Mine Drainage Plants Allegheny, Butler and Venango Counties	Mechanical Maintenance	L. M. Stevenson Co., Inc. Amendment Credit	3,500.00 2,000.00 1,107.83	4,392.17
SL 104-4-80 Slippery Rock, Little Scrubgrass, Wildwood and Swamp Creek Acid Mine Drainage Plants, Allegheny, Butler, Elk and Venango Counties	Mechanical Maintenance	L. M. Stevenson Co., Inc. Credit	10,395.00 6,584.00	3,811.00
SL 104-4-81 Slippery Rock Little Scrubgrass Swamp Creek Wildwood AMD Plants and Miscellaneous Mechanical Installations in the Bituminous Region	Mechanical Maintenance	Stan Kraly C.O. #1 C.O. #2 C.O. #3 Credit	11,770.00 4,000.00 5,000.00 10,000.00 13,239.64	17,530.36
Sl 105 Moraine State Park Butler County	Engineering Study completed during October 1970	Gwin Engineers, Inc. Amendment	14,500.00 6,500.00	21,000.00
SL 105-1 Moraine State Park Butler County	Strip Mine Reclamation (7/69-8/70)	Adrian D. Davis	109,620.00 Northwest Area	109,620.00
SL 105-1 Moraine State Park Butler County	Engineering for Strip Mine Reclamation (7/68-10/70)	Gwin Engineers, Inc.	8,500.00	8,500.00
SL 105-1 Moraine State Park Butler County	Strip Mine Reclamation (7/69-6/70)	Trans-Continental Construction Co.	156,900.00 Eastern Area	156,900.00
SL 105-1 Moraine State Park Butler County	Strip Mine Reclamation (7/69-6/70)	Trans-Continental Construction Co.	120,200.00 Southwest Area	120,200.00
SL 105-1A Moraine State Park Eastern Area-8.7 Acres Butler County	Strip Mine Reclamation (12/69-6/70)	Goodall Construction Co.	8,775.00	8,775.00
SL 105-1B Moraine State Park Butler County	Strip Mine Reclamation Southwest, Area No. 1 (10/70-12/70)	Trans-Continental Construction Co.	48,785.00	48,785.00
Sl 105-2 Moraine State Park Butler County	Engineering-Surface Seals (7/68-5/69)	Gwin Engineers, Inc.	6,000.00	6,000.00
SL 105-2 Moraine State Park Butler County	Surface Sealing (5/69-8/69)	Louis M. McMasters, Inc.	22,000.00	22,000.00
Sl 105-3 Moraine State Park Butler County	Preparation of Plans and Specifications completed for Deep Mine Sealing (10/69-9/70)	Gwin, Dobson & Foreman, Inc. Amendment	38,000.00 6,500.00	44,500.00
SL 105-3 Moraine State Park Butler County	Deep Mine Sealing (4/69-9/71)	B. H. Mott & Sons Addendum Addendum Credit	867,300.00 245,150.00 240,000.00 827.41	1,351,622.59

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 105-4-101.1 Brady Township Butler County	Kildoo Deep Mine Sealing and Strip Mine Reclamation	ECI, Inc. C.O. #1 C.O. #2 (Credit)	\$ 218,721.50 51,781.59 23,318.91	\$ 247,184.18
SL 105-4-101.5 Muddy Creek Butler County	Subsurface Investigation Kildoo No. 2 Deep Mine (5/78-7/78)	Universal Technical, Inc. C.O. #1	6,475.00 1,711.63	8,186.63
SI 106-1 Sandy Run Luzerne County	Stream Treatment Plant Plant Operation (7/69-8/70) Codicil-Stabilization System	Layne-New York Co. Credit	42,995.00 6,000.00 478.20	48,516.80
SI 106-2 Buck Mountain Creek Carbon County	Stream Treatment Plant (7/69-8/70)	Layne-New York Co.	40,025.00	40,025.00
SL 106-3 Swamp Creek Elk County	Stream Treatment Plant (9/69-5/71)	Penoyer Contracting Co. C.O. #1 C.O. #2	47,514.00 3,315.50 3,025.00	53,854.50
SI 106-3A Swamp Creek Elk County	Mine Drainage Pollution Abatement (11/73-9/74)	Wilcox Sportsmen, Inc. Credit	6,000.00 748.00	5,252.00
SL 106-3-1 Swamp Creek Elk County	Access Road to Plant (4/70-5/70)	Frank Ross, Jr. C.O. #1	16,585.00 290.00	16,875.00
SI 106-3-77 Swamp Creek Elk County	Electrical Maintenance	Fuellgraf Electric Co. Credit	3,000.00 1,388.89	1,611.11
SL 106-3A-77 Swamp Creek Elk County	Mechanical Maintenance	Wilcox Sportsmen, Inc. Credit	7,500.00 866.00	6,634.00
SI 106-3-78 Swamp Creek Elk County	Electrical Maintenance	Fuellgraf Electric Co. Credit	3,000.00 668.42	2,311.58
SL 106-3A-78 Swamp Creek Elk County	Mechanical Maintenance	Wilcox Sportsmen, Inc.	10,000.00	10,000.00
SI 107-1 Ernest Complex Indiana County	Design (Preparation of Plans and Specifications) (7/68-11/70)	L. Robert Kimball Credit	36,200.00 5,618.14	30,581.86
SL 107-1A Ernest Complex Indiana County	Core Borings Completed (10/69-12/69)	Pennsylvania Drilling Co. Credit	2,906.00 1,156.20	1,749.80
SL 107-1-1 Ernest Complex Indiana County	Additional Design and Treatment Plant	L. Robert Kimball Amendment Amendment Amendment Amendment Amendment Amendment Amendment Credit	119,000.00 3,600.00 48,060.00 75,800.00 82,606.00 26,670.00 33,636.00 72,965.00 9,413.26	452,923.74
SL 107-2 Ernest Complex Indiana County	Mine Sealing (6/68-7/71)	E. D'Appolonia Amendment Amendment	16,500.00 20,000.00 12,400.00	48,900.00
SL 107-3 Ernest Complex Indiana County	Core Borings (7/69-8/69)	Tinney Drilling Co. C.O. #1 Credit	2,347.50 312.35 25.00	2,634.85
SL 107-4 Ernest Complex Indiana County	Construction of Mine Seals and Water Diversion System (12/70-2/73)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2 C.O. #3 (Credit) C.O. #4 C.O. #5 (Credit) C.O. #6 (Credit)	266,815.00 42,750.00 27,500.00 6,400.00 3,925.00 800.00 21,310.49	312,479.51
SL 107-4-2 Ernest Complex Indiana County	Construction of Wells (9/73-10/73)	McKay & Gould Drilling Co. C.O. #1 (Credit)	23,275.00 14,423.09	8,851.91
SL 107-4-3-101.1 Ernest Complex Indiana County	Drilling Water Well and Aeration of Existing Water Supply	In-House	-0-	-0-

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 107-5-3 Ernest Treatment Plant Indiana County	Construction of Acid Mine Drainage Treatment Plant (11/75-7/78)	Frank R. Black, Jr., Inc. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7 C.O. #8	\$ 3,740,404.00 6,579.82 12,917.51 2,675.20 10,293.62 11,162.03 15,472.65 20,143.60 55,407.00	\$ 3,875,055.43
SL 107-5-3.13-78 Ernest Treatment Plant Indiana County	Mechanical Maintenance	Robert Shank Plumbing & Heating Credit	7,000.00 1,173.61	5,826.39
SL 107-5-3.13-80 Ernest Treatment Plant Indiana County	Mechanical Maintenance	R. D. Goss, Inc. C.O. #1	16,095.50 16,000.00	12,491.23
SL 107-5-3.14-78 Ernest Treatment Plant Indiana County	Electrical Maintenance	Bettwy Electric Credit	7,000.00 2,933.91	4,066.09
SL 107-5-3.14-80 Ernest Treatment Plant Indiana and Clearfield Counties	Electrical Maintenance	R. D. Goss, Inc. C.O. #1	15,584.00 12,000.00	18,389.20
SL 107-5-3.16-80 Ernest Treatment Plant Indiana County	Instrumentation Maintenance	Peter H. Armbrust C.O. #1	13,300.00 6,000.00	14,905.11
SL 107-5-4 Ernest Treatment Plant Indiana County	Additional Riprap (7/78-8/78)	D. W. Miller, Inc. C.O. #1	23,750.00 475.00	24,225.00
SL 107-5-5-101.1 Ernest Complex Indiana County	Equipment Rental (8/78-9/78)	Commonwealth Stone, Inc. C.O. #1	6,360.00 1,380.00	7,740.00
SL 107-5-6-101.5 Ernest Complex Indiana County	Exploratory Drilling	Lambert Drilling Co. C.O. #1 C.O. #2 C.O. #3	18,138.00 16,189.00 750.00 2,024.84	37,101.84
SL 107-6 Crooked Creek Indiana County	Investigation and Design: Tanoma Borehole Plugging (8/71-9/74)	McDonald Phillips Engineers, Inc.	61,900.00	61,900.00
SL 107-6-1 Crooked Creek Indiana County	Borehole Plugging (8/73-9/73)	Pennsylvania Drilling Co. C.O. #1	10,000.00 168.00	10,168.00
SL 107-7 Keystone Lake Armstrong County	Design - Acid Mine Drainage Mine Sealing (6/72-1/77)	Nassaux-Hemsley, Inc. Credit	92,549.00 3,585.76	88,963.24
SL 107-7-101.5 Plum Creek Watershed Armstrong County	Subsurface Investigation (11/73-1/74)	Lambert Drilling Co. C.O. #1	9,161.00 271.95	9,432.95
SL 107-8-102.1 Ernest Refuse Pile Crooked Creek Watershed Indiana County	Reclamation of Refuse Pile (Application of Surfactant)	Penn Line Service, Inc. C.O. #1 (Credit)	43,695.00 1,380.00	42,315.00
SL 107-9-101.6 Crooked Creek Watershed Armstrong County	Aquatic Study	Clarion State College Amendment Credit	63,327.00 63,237.00 2,479.05	124,084.95
SL 108 E. Branch Clarion River Elk County	Survey to recommend pollution abatement measures needed and determine costs (11/68-2/71)	Michael Baker, Jr.	150,100.00	150,100.00
SI 108-1 E. Branch Clarion River Swamp Creek Sub-Basin Elk County	Design for Strip Mine Restoration - Refuse Burial (10/70-11/76)	Michael Baker, Jr. Amendment Amendment Amendment Amendment	26,500.00 12,600.00 6,500.00 13,439.00 1,324.00 276.46	60,639.46
SL 108-2 E. Branch Clarion River Elk County	Design for Construction Abatement Facilities	Department of Environmental Resources	-0-	-0-

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 108-2-101.1 East Branch Clarion River Elk County	Construction - Reclamation Areas 1-4, 9, 11, 28, 29 (8/75-5/76)	Allegheny Mountain Co. C. O. #1 C.O. #2 C.O. #3 C.O. #4 (Credit)	\$ 239,643.00 2,686.00 800.00 19,043.15 5,240.00	\$ 256,932.15
SL 108-2-101.1R East Branch Clarion River Elk County	Remedial Work, Areas 3 and 29 (7/78-8/78)	Soil Services C.O. #1	6,912.50 2,850.00	9,762.50
SL 108-2-102.1 East Branch Clarion River Elk County	Construction - Reclamation Areas 5 through 8 (8/75-5/76)	Trans-Continental Constructon Co. C.O. #1	79,905.00 450.00	80,355.00
SL 108-2-103.1 Jones Township Elk County	Acid Mine Drainage Abatement (1/74-11/74)	Trans-Continental Const. Co. C.O. #2 C.O. #4	334,100.00 18,832.00 2,190.00	355,122.00
SL 108-2-104.1 East Branch Clarion River Elk County	Strip Mine Reclamation (8/73-11/73)	E. M. Brown, Inc. C.O. #1 (Credit)	133,850.00 9,200.00	124,650.00
SL 108-3 East Branch Clarion River Elk County	Design and Supervision Mine Drainage Pollution Abatement Facilities (7/71-2/76)	Michael Baker, Jr. Amendment	17,730.00 6,380.00	24,110.00
SL 108-3-1 East Branch Clarion River Elk County	Construction - Deep Mine Sealing and Reclamation (7/75-11/75)	Emporium Equipment Rentals, Inc. C.O. #1 (Credit)	188,800.00 73,432.30	115,367.70
SL 108-3-2 East Branch Clarion River Elk and McKean Counties	Subsurface Exploration (1/72-2/72)	Pennsylvania Drilling Co. C.O. #1 (Credit)	8,728.75 933.88	7,794.87
SL 108-4 East Branch Clarion River Elk County	Design on Johnson Run Subbasin, Strip Mine Reclamation and Coal Refuse Burial (3/73-7/75)	Michael Baker, Jr. Amendment (Credit)	40,199.00 10,189.00	30,010.00
SL 108-4-101.1 East Branch Clarion River Johnson Run Elk County	Acid Mine Drainage Construction (7/74-5/75)	Emporium Equipment Rentals, Inc C.O. #1 (Credit)	299,999.99 11,244.47	288,755.52
SL 109 Two Lick Creek Indiana County	Survey to recommend pollution abatement measures needed and determine costs (12/68-11/71)	L. Robert Kimball Amendment Credit	202,273.00 35,000.00 5,366.28	231,906.72
SI 109-1 Buck Run Watershed Cherry Hill Township Indiana County	Design for refuse removal and Burial (3/20-12/76)	L. Robert Kimball Credit	35,000.00 4,425.44	30,574.56
SL 109-1B Two Lick Creek Indiana County	Quick Start Project Refuse Bank Reclamation Imperial Keystone Refuse Pile (1/71-11/71)	Trans-Continental Construction Co. C.O. #1 C.O. #2	116,540.00 8,350.00 2,225.00	127,115.00
SL 109-1B-101.1J* Two Lick Creek Indiana County	Acid Mine Drainage Remedial Work	Delta Excavating and Trucking Co. C.O. #2 (Final-Credit)	121,226.46 8,230.88	112,995.58
SL 109-1C Two Lick Creek Watershed Indiana County	Relocation and reclamation of the Imperial Coal Tipple Refuse Pile (7/71-11/71)	Trans-Continental Construction Co. Credit	151,625.00 10,809.40	140,815.60
SL 109-1C-101.1J** Two Lick Creek Watershed Indiana County	Acid Mine Drainage Remedial Work	Jack Lentz Contracting	24,700.00	24,700.00
SL 109-2 Clymer Borough Indiana County	Pollution Abatement (3/70-6/70)	Stanley Brady & B. R. Loughry C.O. #1	22,980.90 9,274.20	32,255.10
SL 109-3 Two Lick Creek Indiana County	Design for Mine Drainage Pollution Abatement Facilities	L. Robert Kimball Amendment Credit	78,030.00 23,560.00 15,939.88	85,650.12
SL 109-3-201.5 Two Lick Creek Indiana County	Subsurface Exploration (8/76-10/76)	Continental Drilling Co., Inc. C.O. #1 (Credit)	28,870.00 10,249.90	18,620.10

\* \$86,452.00 from DSR #PA68-710 Item #ZS-3 (01-35-25-78-8-540-92500)

\*\* Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 109-3-3A Two Lick Creek Indiana County	Coal Refuse Reclamation Project (5/74-11/75)	R. S. Sinclair Contracting, Inc. C.O. #1 C.O. #2 C.O. #5 C.O. #6 (Credit)	\$ 397,258.90 800.00 3,000.00 40,000.00 20,348.95	\$ 420,709.95
SL 109-3-3AR-2 Upper Two Lick Creek Indiana County	Acid Mine Drainage Pollution Abatement, Remedial Work Clymer No. 1 and No. 2	Altemose Construction Co. C.O. #1 C.O. #2 (Credit) C.O. #3	164,340.00 8,782.50 6,479.05 18,000.00	184,643.45
SL 109-3AR-2X Clymer Bank Cherryhill Township Indiana County	Drill 25-4 inch Auger Holes	L. Robert Kimball	1,210.00	1,210.00
SL 110 Slippery Rock Creek Watershed, Butler, Mercer, Lawrence and Venango Counties	Survey to recommend pollution abatement measures needed and determine costs. (12/68-12/70)	Gwin, Dobson & Forman, Inc. Amendment	178,500.00 2,500.00	181,000.00
SL 110-1 Slippery Rock Creek Butler County	Design: Acid Mine Drainage Facilities for Project Area Nos. 21, 27, 28 and 36 (9/69-1/75)	Gwin, Dobson & Foreman, Inc. Amendment Amendment Amendment Amendment Amendment Credit	70,400.00 21,200.00 5,500.00 5,500.00 8,000.00 5,000.00 89.56	115,510.44
SL 110-1BD Slippery Rock Creek Butler County	Argentine and Whiskerville Areas Project Areas No. 21 and 28. (11/70-10/72)	Allied Asphalt Co. C.O. #2 (Credit)	469,400.00 21,049.64	448,350.36
SL 110-1C Slippery Rock Creek Brady Township Butler County	Stone House Area Deep Mine Seals and Refuse Pile (5/73-12/74)	Allied Asphalt Co., Inc. C.O. #1 C.O. #2 C.O. #3 C.O. #4 (Credit)	165,910.00 5,700.00 25,800.00 10,500.00 35,224.60	172,685.40
SL 110-1-101.1 Slippery Rock Creek Brady Township Butler County	Construction - Equipment Rental (6/75-7/75)	Trans-Continental Construction Co., Inc.	3,200.00	3,200.00
SL 110-2 Slippery Rock Creek Butler County	Design of abatement measures Project Area No. 35 (7/70-1/71)	Gwin, Dobson & Foreman, Inc. (Consultants) Credit	15,000.00 1,303.96	13,696.04
SL 110-2A Slippery Rock Creek Butler County	Strip Mine Reclamation Project Area No. 35 (7/71-11/72)	Wagner & Hartle C.O. #1	199,942.00 2,750.00	202,692.00
SL 110-3 Seaton Creek Watershed Butler County	Design of Hydraulic Seals and Grout Curtains for Abatement of Mine Drainage Pollution. Project Areas Nos. 13, 18 and 19 (North of River). Keystone Mine Complex	Gwin, Dobson & Foreman, Inc. Amendment Amendment Amendment Amendment Amendment Credit	60,000.00 12,000.00 10,000.00 9,700.00 28,910.00 10,610.00 1,896.97	129,323.03
SL 110-3-1 Seaton Creek Watershed Venango Township Butler County	Construction of Hydraulic Seals and Grout Curtains Project Areas 13, 18 & 19 (7/73-4/75)	Allied Asphalt, Inc. C.O. #2 C.O. #3 (Credit)	497,950.00 33,000.00 50,993.03	479,956.97
SL 110-3-101.5 Seaton Creek Watershed Butler County	Equipment Rental for Subsurface Exploration. (6/75-7/75)	Trans-Continental Construction Co., Inc. C.O. #1	2,720.00 1,632.00	4,352.00
SL 110-3-102.1 Venango Township Butler County	Mine Drainage Facilities Doran Kamp Projects (4/76-5/76)	Allegheny Mountain Co.	9,793.15	9,793.15
SL 110-3-102.7-78 Venango Township Butler County	Cleaning Acid Mine Drainage (6/78) SP 515760	Pittsburgh Pipe Cleaning Co.	850.00	850.00
SL 110-3-103.1 Dorenkamp Property Venango County Butler County	Clean 700 feet of 8 inch TC pipe East Side of T504	Tiche Firestone & Construction Co.	1,070.00	1,070.00
SL 110-3-4 Seaton Creek Watershed Butler County	Acid Mine Drainage Pollution Abatement (7/77-4/78)	Bracken Construction Co. C.O. #1 C.O. #2 C.O. #3	105,948.50 1,488.00 11,633.84 2,647.70	121,718.04



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 110-3-5A Seaton Creek Watershed Butler County	Drilling and Grouting Keystone Mine No. 3 (11/77-5/78)	Pennsylvania Drilling Co. C.O. #1 C.O. #2 C.O. #3	\$ 42,619.50 15,720.00 31,087.50 2,376.63	\$ 91,803.63
SL 110-4 Slippery Rock Creek Watershed Butler and Mercer Counties	Design for abandoned deep mine sealing and associated grouting work A-Highland Fuel Mine Area B-Annandale No. 2 Mine Area C-Lake Erie Mine Area D-Hallston and Grant Mines Area	Gwin, Dobson & Foreman, Inc. Amendment Amendment Amendment Amendment Credit	178,000.00 1,523.00 10,040.00 11,500.00 7,207.00 18,589.30	189,680.70
SL 110-4-101.1 Slippery Rock Creek Watershed Butler and Mercer Counties	Deep Mine Seals for Projects A, B, C and D	John Grayson Co. C.O. #1 C.O. #2 C.O. #3 (Credit) C.O. #4	719,983.00 11,645.00 7,620.00 267,027.61 18,184.66	490,405.05
SL 110-4-102.1 Slippery Rock Creek Watershed Butler County	Refuse Pile Reclamation (3/78-10/78)	A. Graziani & Sons, Inc. C.O. #1	220,529.00 7,945.20	228,474.20
SL 110-4-105.1 Slippery Rock Creek Watershed Butler County	Construction Refuse Burial Project (11/74-3/75)	J. H. Smith & Sons, Inc.	10,615.00	10,615.00
SL 110-5 Slippery Rock Creek Watershed, Butler and Venango Counties	Design Strip Mine Reclamation (6/73-11/77)	Green Engineering Co. Amendment Amendment Amendment (Credit)	86,720.00 3,000.00 13,137.50 8,868.65	93,988.85
SL 110-5-2 Slippery Rock Creek Watershed Butler County	Construction - Reclamation Areas 7 and 8B (9/75-10/76)	Beaver Contracting & Grading Co., Inc. C.O. #2 C.O. #3 (Credit) C.O. #4 C.O. #5	252,950.00 1,440.00 51,531.24 10,387.50 14,344.29	227,590.55
SL 110-5-2R Slippery Rock Creek Watershed Butler County	Remedial Work-Area 8B (11/78-12/78)	Gary Moore Landscaping C.O. #1 (Credit)	15,115.00 577.48	14,537.52
SL 110-5-3 Slippery Rock Creek Watershed Butler County	Construction - Reclamation Areas 14A and 14B (8/75-4/77)	Beaver Contracting & Grading Co. C.O. #1 (Credit) C.O. #2	315,076.00 2,036.95 227.60	313,266.65
SL 110-6 Slippery Rock Township Butler County	Design of AMD Pollution Abatement Restoration of Abandoned Coal Processing Plant	Department of Environmental Resources	-0-	-0-
SL 110-6-1 Slippery Rock Township Butler County	Restoraton of Abandoned Coal Processing Plant (9/74-1/75)	Jerome Eckert T/A Allegheny Mountain Co. C.O. #2	64,591.00 5,350.00	69,941.00
SL 110-7 Slippery Rock Creek Watershed Washington Township Butler County	Site Evaluation of Hamilton #3 Deep Mine Adjacent Oil/Gas Well	Gwin, Dobson & Foreman, Inc. Amendment #2 Amendment #7	28,950.00 4,650.00 11,515.00	45,115.00
SL 110-7-101.5 Slippery Rock Creek Washington Township Butler County	Exploratory Drilling Hamilton No. 3 Deep Mine	D'Appolonia Drilling, Inc. C.O. #1 (Final)	54,525.00 5,505.50	60,030.50
SL 111 Beech Creek Centre County	Engineering Survey (7/68-11/71)	Gannett Fleming Corddry & Carpenter	182,000.00	182,000.00
SL 111-A Beech Creek Centre County	Geological Survey (9/69-11/70)	U. S. Department of Interior Amendment	2,540.00 1,070.00	3,610.00
SL 111-1 Beech Creek Watershed Centre County	Panther Tipple - Refuse Pile Sealing (5/71-7/71)	Wagner & Hartle, Inc. C.O. #1	25,700.00 300.00	26,000.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 111-1A Beech Creek Watershed Centre County	Geological Survey (6/69-7/69)	U.S. Department of Interior	\$ 3,600.00	\$ 3,600.00
SL 111-2 Beech Creek Watershed Centre County	Design of Abatement Facilities (3/73-2/75)	Gannett Fleming Corddry & Carpenter, Inc. C.O. #1 (Credit)	41,250.00 14,262.00	26,988.00
SL 111-2-101.1 Beech Creek Watershed Centre County	Strip Mine Reclamation and Deep Mine Sealing - Pollution Abatement (6/74-10/74)	Penn Coal Company & Thompson Bros. Coal Co. C.O. #1 (Credit)	76,370.50 4,727.10	71,643.40
SL 111-2-102.1 Beech Creek Watershed Centre County	Stream Channelization Pollution Abatement (5/74-9/74)	C & W Construction C.O. #2 C.O. #3	83,979.60 3,000.00 9,566.37	96,545.97
SL 111-2-102.1F* Beech Creek Watershed Centre County	Acid Mine Drainage Remedial Work (8/77-9/77)	Roy Soster C.O. #1 (credit)	8,800.00 8,056.00	744.00
SL 111-3 Beech Creek Watershed Centre County	Design of abatement facilities (3/73-10/74)	Gwin Engineers, Inc. Amendment (Credit) Amendment (Credit)	23,390.00 12,414.59 115.83	10,859.58
SL 111-3-101.1 Beech Creek Watershed Centre County	Strip Mine Reclamation (9/73-5/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1	110,807.50 3,249.60	114,057.10
SL 111-3-102.1 Beech Creek Watershed Centre County	Mine Drainage Pollution Abatement-Remedial Work	Department of Environmental Resources	-0-	-0-
SL 111-3-202.1F* Beech Creek Watershed Centre County	Remedial Work (10/76-11/76)	Roy Soster, Inc. C.O. #1	13,575.00 97.50	13,672.50
SL 111-4 Beech Creek Watershed Centre County	Design - Mine Drainage Pollution Abatement (6/74-2/77)	Gwin Engineers, Inc. Amendment Amendment Amendment (Credit)	10,961.00 1,819.50 4,861.75 18.31	17,623.94
SL 111-4-101.1 Beech Creek Watershed Centre County	Construction of Mine drainage Pollution Abatement Facility (10/75-10/76)	P & W Excavating, Inc. C.O. #1 C.O. #2 C.O. #3	173,101.25 51,750.00 20,911.24 8,845.56	254,608.05
SL 111-4-102.1R Beech Creek Watershed Centre County	Remedial Work (5/78-6/78)	Roy Soster	2,500.00	2,500.00
SL 112 Rausch Creek Schuylkill County	Design and Technical Services including construction inspection for Acid Mine Drainage Treatment Plant (9/68-6/75)	Anthracite Research and Development, Inc. Amendment Credit	314,700.00 35,550.00 8,648.26	341,601.74
SL 112-1 Rausch Creek Schuylkill County	General Construction of Treatment Plant (11/70-4/74)	Christopher Construction Co. C.O. #1 (Credit) C.O. #2 (Credit) C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7 (Credit) C.O. #8 C.O. #9 C.O. #10 C.O. #11	1,589,000.00 1,500.00 500.00 7,393.30 642.00 1,311.00 430.00 4,100.00 1,200.00 5,317.60 1,089.06 49.50	1,600,332.46
SL 112-2 Rausch Creek Schuylkill County	Electrical Work for Treatment Plant (2/71-4/74)	Medlar Electric Co. C.O. #1 C.O. #2 Amendment Amendment Credit	161,447.00 433.00 1,826.06 14,216.52 1,169.46 330.54	178,761.50
SL 112-3 Rausch Creek Schuylkill County	Drilling Waterwell Borehole (9/70-11/70)	Kohl Brothers, Inc. Credit	4,800.00 142.00	4,658.00

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 112-4 Rausch Creek Schuylkill County	East Branch-Excavation of Drainage Ditch to relieve swampy conditions (6/70-6/71)	Adams & Troop Construction Co., Inc. Credit	\$ 49,885.00 1,387.50	\$ 48,497.50
SL 112-6 Rausch Creek Schuylkill County	Construction of Sludge Holding Pit (11/75-1/76)	J. Robert Bazley, Inc. C.O. #1	39,963.00 4,642.22	44,605.22
SL 112-8* Rausch Creek Treatment Plant Schuylkill County	Construction of Acid Mine Drainage Plant, Headwater Modification and Flood Protection (1-75-8/76)	A. Genovese, Inc. C.O. #1	249,260.00 26,340.12	275,600.12
SL 112-9 (AM-103) Rausch Creek Schuylkill County	Instrumentation Maintenance (7/75-6/76)	Fischer & Porter C.O. #1	5,906.00 268.00	6,174.00
SL 112-9-76 Rausch Creek Treatment Plant Schuylkill County	Instrumentation Maintenance	Tri-Star, Inc. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 (Credit)	11,150.00 6,600.00 552.86 6,600.00 6,600.00 280.00 950.00	30,832.86
SL 112-9-81 Rausch Creek Treatment Plant Schuylkill County	Instrumentation Maintenance	Tri-Star, Inc. Credit	12,420.00 3,296.37	9,123.63
SL 112-9-82 Rausch Creek Treatment Plant Schuylkill County	Instrumentation Maintenance	Fisher & Porter Company C.O. #2 C.O. #3	11,365.00 4,000.00 946.00	16,311.00
SL 112-9-85 Rausch Creek AMD Treatment Plant Hegins Township Schuylkill County	Instrumentation Maintenance	Fischer & Porter Co. C.O. #1 C.O. #2 (Credit)	13,348.00 1,900.00 8,579.35	6,668.65
SL 112-10 Rausch Creek Treatment Plant Schuylkill County	Removing Sludge from Holding Pond #2	Department of Environmental Resources		
SL 112-11F* Rausch Creek Treatment Plant Schuylkill County	Cleaning, Polishing Lagoon #1 (10/76-4/77)	Drew Development Co. C.O. #1 (Credit)	24,367.25 1,864.94	22,502.31
SL 112-11-77 Rausch Creek Treatment Plant Schuylkill County	Cleaning, Polishing Lagoon #2 (5/77-8/77)	Fairchild Bros., Inc. C.O. #1	96,940.00 2,979.00	99,919.00
SL 112-11-78 Rausch Creek Treatment Plant Schuylkill County	Sludge Disposal (5/78)	Bowman Bros. Trucking, Inc.	20,320.00	20,320.00
SL 112-11A-78 Rausch Creek Treatment Plant Schuylkill County	Sludge Disposal (6/78-7/78)	Drew Development Co. C.O. #1 (Credit)	2,240.00 1,176.00	1,064.00
SL 112-11B-78 Rausch Creek Treatment Plant Schuylkill County	Sludge Removal - Pond No. 3 and Lagoon No. 1	Liquid Removal Service Co., Inc. C.O. #1 (Credit)	89,100.00 11,206.13	77,893.87
SL 112-11C-78 Rausch Creek Treatment Plant Schuylkill County	Sludge Disposal, Seed and Road Construction	Bowman Brothers C.O. #1 (Credit)	74,512.50 1,567.95	72,944.55
SL 112-11-79 Rausch Creek Treatment Plant Schuylkill County	Sludge Removal Pond No. 2	Liquid Removal Service Co., Inc. C.O. #1	32,000.00 14,264.45	46,264.45
SL 112-11-80 Rausch Creek Treatment Plant Schuylkill County	Sludge Removal Holding Pond 2 and 3	Gooslin Pumping & Pipe Cleaning Corp.	\$ 136,710.00	\$ 136,710.00

\*Paid from Eloise Flood Funds (\$6,164.20 for SL 112-8)

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 112-11-82 Rausch Creek Treatment Plant Schuylkill County	Removal and disposal of sludge from Lagoon No. 1 and Ponds No. 2 and No. 3	Joseph Andershonis C.O. #1 C.O. #2 C.O. #3 C.O. #4	\$ 125,250.00 24,200.00 6,325.00 72,355.25 15,072.75	\$ 244,203.00
SL 112-11-85 Rausch Creek Treatment Plant Schuylkill County	Transporting & Disposing of Acid Mine Drainage Sludge	Bowman Bros. Trucking, Inc. C.O. #1 C.O. #2 (Credit)	26,400.00 9,799.50 999.00	35,200.50
SL 112-12F* Rausch Creek Treatment Plant Schuylkill County	Replace Chain Link Fence (11/76-1/77)	James R. Trauger C.O. #1 (Credit)	4,862.00 86.40	4,775.60
SL 112-13F* Rausch Creek Treatment Plant Schuylkill County	Removal of debris and replacement of rockfill, headworks (7/77-8/77)	J. Robert Bazley, Inc. C.O. #1	20,820.00 8,515.68	29,335.68
SL 112-13-78A Rausch Creek Treatment Plant Schuylkill County	Sediment Removal	Bowman Bros. Trucking, Inc. C.O. #1 C.O. #2 (Credit)	30,900.00 650.00 262.80	31,287.20
SL 112-16-101.1 Rausch Creek Treatment Plant Schuylkill County	Mine Drainage Pollution Abatement	A. T. Consoli, Inc. C.O. #1 C.O. #2	84,079.25 9,363.10 241.55	93,683.90
SL 112-16-101.2 Rausch Creek Treatment Plant Schuylkill County	Debris Basin Enlargement and Diversion Facilities	Pennsylvania Power & Light Company	2,033.00	2,033.00
SL 112-17 Rausch Creek Treatment Plant Schuylkill County	Engineering Study	Roy F. Weston, Inc. Amendment	45,357.00 5,000.00	50,357.00
SL 112-18-101.1 Rausch Creek Treatment Plant Schuylkill County	Heating and Ventilator Rehabilitation	Marlin Electric C.O. #1 (Credit)	15,730.00 75.00	15,655.00
SL 112-19-101.2 Rausch Creek Treatment Plant Schuylkill County	Design of Filter Press	Gannett, Fleming, Corddry & Carpenter, Inc. Amendment (Credit) Amendment Credit	75,910.00 6,839.55 1,785.80 2,494.67	68,361.58
SL 112-19-101.11 Rausch Creek Treatment Plant Schuylkill County	General Construction	Hepco Material & Construction, Inc. C.O. #1	545,000.00 7,180.78	552,180.78
SL 112-19-101.13 Rausch Creek Treatment Plant Schuylkill County	Mechanical/Plumbing	Eshenaurs, Inc.	13,440.00	13,440.00
SL 112-19-101.14 Rausch Creek Treatment Plant Schuylkill County	Electrical	Garden Spot Electric, Inc. C.O. #1	54,800.00 164.43	54,964.43
SL 112-20-101.1 Sandy Run, Luzerne Co. Buck Mountain, Carbon Co. Rausch Creek, Schuylkill Co.	Exterior Lime Storage Tank Painting	Provanzo Painting, Inc. C.O. #1	7,900.00 525.81	8,425.81
SL 112-21-101.1 Rausch Creek Treatment Plant Schuylkill County	Rapid Dewatering System	Peter Kay Associates	7,000.00	7,000.00
SL 112-22-101.1 Rausch Creek Treatment Plant Schuylkill County	Roof Repair	Miller Brothers Contracting C.O. #2 (Credit)	15,675.00 306.00	15,369.00

\*Paid from Eloise Flood Funds (\$22,654.13 - SL 113-5-1)

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 113 Shamokin Creek Northumberland County	Engineering Study to locate pollution sources within watershed (7/69-1/72)	Gannett Fleming Corddry & Carpenter, Inc.	\$ 165,000.00	\$ 165,000.00
SL 113-2 Shamokin Creek Northumberland County	Design and related costs for 5 abatement Projects (1/73-4/76)	John S. Luckens Assoc. Amendment Amendment	41,670.00 25,815.47 7,941.78 5,145.32	80,572.57
SL 113-2-1 Shamokin Creek Watershed Conyngham and Northumberland County	Construction of Abatement Projects A & B on North Branch of Shamokin Creek in vicinity of Wilburton No. 9 (9/73-5/75)	J. S. Miles C.O. #3 C.O. #4 C.O. #5	364,305.00 11,430.00 2,750.00 1,703.00	380,188.00
SL 113-2-2 Shamokin Creek Northumberland County	Construction of Abatement Projects E, F and G on Shamokin Creek in vicinity of Excelsior (4/74-8/75)	Adams & Tropp Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4	408,422.00 10,474.25 5,461.83 9,283.10 4,359.84	438,001.02
SL 113-2-3F* Shamokin Creek Northumberland County	Flood repair work for SL 113-2-2 (4/77-6/77)	Faylor-Middlecreek, Inc. C.O. #1 (Credit)	135,813.75 14,640.70	121,173.05
SL 113-2-4F* Shamokin Creek Northumberland County	Repair Flood Damage (8/77-9/77)	Bowman Bros. Trucking Co. Amendment	24,774.50 3,082.00	27,856.50
SL 113-3 Mount Carmel Area Shamokin Creek Watershed Northumberland County	Design of abatement in strip mine area by grading construction and lining collection channel	Department of Environmental Resources		Design of SL 113-3-1
SL 113-3-1 Shamokin Creek Watershed Mount Carmel Northumberland County	Acid Mine Drainage Pollution Abatement (7/76-10/77)	John F. Miles Co. C.O. #1 C.O. #2	176,356.00 7,799.45 15,529.94	199,685.39
SL 113-4 Locust Creek Shamokin Creek Watershed Northumberland County	Design of Mine Drainage Pollution Abatement Plant (4/74-7/75)	Gannett Fleming Corddry & Carpenter, Inc. Amendment	60,750.00 6,360.69	67,110.69
SL 113-5 Shamokin Creek Watershed Northumberland County	Design-Acid Mine Drainage Facilities (1/75-12/78)	Erdman, Anthony and Associates, Inc. Amendment Amendment	62,750.00 19,974.76 6,984.88	89,709.64
SL 113-5-1* Coal Run Shamokin Creek Watershed Northumberland County	Construction-Acid Mine Drainage Facilities	C. F. King, Inc. C.O. #1 C.O. #2 C.O. #3 C.O. #4 (Credit) C.O. #5 C.O. #6 C.O. #7	975,965.00 4,575.00 36,567.81 8,171.87 14,190.53 157,448.00 29,008.00 4,839.30	1,202,384.45
SL 114 Smith Township Washington County	Design and related work Ion-Exchange Treatment Plant	Chester Engineers Amendment Credit	60,470.50 6,737.00 106.84	67,100.66
SL 114-1 Smith Township Washington County	Construction of Treatment Plant	Pitt Construction Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 Credit	669,680.00 1,370.00 13,300.00 2,775.00 7,997.00 11,871.00 130,000.00	576,993.00
SL 114-2 Smith Township Washington County	Heating and Ventilating Contract approved on 11/28/69	Pitt Construction Co.	6,539.00	6,539.00
SL 114-3 Smith Township Washington County	Electrical Work (10/69-2/71)	David W. Jones C.O. #1	47,800.00 918.00	48,718.00
SL 115 Kettle Creek Clinton County	Technical Services and Engineering Survey	The Neilan Engineers Credit	67,000.00 9,000.00	58,000.00
SL 115-2 Kettle Creek Clinton County	Design Deep Strip Mine Reclamation (2/76-8/78)	Yule, Jordan & Assoc. Amendment Amendment Credit	28,954.00 4,000.72 255.99 3,077.70	30,133.01

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 115-2-101.1 Kettle Creek Clinton County	Acid Mine Drainage Abatement (10/76-5/78)	Trans-Continental Construction Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4	\$ 324,677.75 9,683.00 5,000.00 2,493.30 2,702.35	\$ 344,556.40
SL 115-3-101.5 Kettle Creek Watershed Clinton County	Exploratory Drilling (9/77-11/77)	Universal Technical, Inc. C.O. #1 (Credit)	20,971.00 512.97	20,458.03
SL 115-3-102.5 Kettle Creek Watershed Clarion County	Exploratory Drilling Areas 4, 4A, 6 and 7	L. Robert Kimball & Assoc. C.O. #1 (Credit)	64,035.00 3,129.63	60,905.37
SL 116 Altoona Blair County	Design of Treatment Plant	Gwin, Dobson & Foreman, Inc. Amendment Amendment Amendment (Credit)	100,000.00 1,775.67 24,178.00 45,650.00 2,686.23	168,917.44
SL 116-1 Altoona Blair County	Core Borings (7/69-8/69)	Raymond Concrete Pile Amendment (Credit)	4,410.00 1,267.04	3,142.96
SL 116-2 Altoona Blair County	Acces road, channel relocation and valve assembly pertinent to the proposed treatment plant (6/70-12/70)	Gordon L. Delozier, Inc. C.O. #1 C.O. #2 Credit	272,000.00 6,300.00 10,275.00 507.50	288,067.50
SL 116-3 Altoona Blair County	Construction of Treatment Plant (5/71-7/75)	Rust Engineering Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7 C.O. #8 C.O. #9	4,025,000.00 29,785.00 28,259.40 28,285.00 3,245.00 14,292.00 33,106.00 59,866.00 54,670.00 650.00	4,277,158.40
SL 116-4 Altoona Blair County	Treatment Plant - Electrical (11/71-2/74)	Electrical Contractors Associates, Inc. C.O. #1 C.O. #2 C.O. #3	272,000.00 23,477.00 22,877.00 18,889.00	337,243.00
SL 116-5-101.2 Altoona Blair County	Acid Mine Drainage Treatment Plant Study	Gwin, Dobson & Foreman, Inc. Credit	28,710.00 16,441.66	12,268.34
SL 117 Hawk Run Clearfield County	Design of Treatment Plant (11/68-6/75)	Burns & Roe, Inc. Amendment Amendment Amendment Amendment Credit	250,000.00 55,965.00 12,000.00 44,035.00 5,063.26 29.22	367,034.04
SL 117-1 Hawk Run Clearfield County	Construction-monthly inspections being made (1/71-1/73)	Swindell-Dressler Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6	1,898,760.00 26,329.96 28,264.00 84,442.00 48,292.00 32,515.00 42,976.33	2,161,579.29
SL 117-1A Hawk Run Clearfield County	Mine Drainage Treatment Plant (3/73-9/73)	James Hoyt Plumbing & Heating Co. Credit	6,000.00 86.39	5,913.61
SL 117-1B Hawk Run Clearfield County	Mechanical Maintenance of Mine Drainage Treatment Plant (12/73-10/74)	James Hoyt Plumbing & Heating Co. Amendment	7,500.00 3,000.00	10,500.00
SL 117-2 Hawk Run Clearfield County	Electrical (6/71-11/73)	Electrical Contractors Associates, Inc. C.O. #1 (Credit) C.O. #2 C.O. #3 C.O. #4 C.O. #5	109,000.00 225.00 20,032.00 21,727.00 5,785.00 11,127.00	167,446.00
SL 117-2A Hawk Run Clearfield County	Electrical Maintenance of Mine Drainage Treatment Plant (2/74-4/76)	Electrical Contractors Associates, Inc. Amendment Credit	5,000.00 2,500.00 3,679.73	3,820.27

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 117-3 Hawk Run Clearfield County	Instrumentation Maintenance (7/75-6/76)	Honeywell, Inc. Credit	\$ 12,068.00 3,688.96	\$ 8,379.04
SL 117-4-77 Hawk Run Clearfield County	Electrical Maintenance	Electrical Contractors Associates, Inc. Credit	2,000.00 35.00	1,965.00
SL 117-4-78 Hawk Run Clearfield County	Electrical Maintenance	Electrical Contractors Associates, Inc. Credit	2,500.00 1,299.80	1,200.20
SL 117-5-77 Hawk Run Clearfield County	Mechanical Maintenance	James Hoyt Plumbing and Heating Credit	2,000.00 1,833.19	166.81
SL 117-5-78 Hawk Run Clearfield County	Mechanical Maintenance	James Hoyt Plumbing and Heating Credit	2,000.00 1,453.67	546.33
SL 117-6-101.1 Hawk Run Clearfield County	Roof Repairs	Wilson Construction Co., Inc.	18,600.00	18,600.00
SL 117-7-101.1 Hawk Run Clearfield County	Removal of Equipment	J. C. Carlin Contracting, Inc. C.O. #1	15,960.00 1,217.44	17,177.44
SL 118 Shaw Complex Somerset County	Preliminary Survey and Mapping	L. Robert Kimball	15,000.00	15,000.00
SL 118-1 Shaw Complex Elklick Township Somerset County	Refuse Pile Regrading and Subsidence Backfill (6/69-9/69)	Sanner Brothers Coal Co.	21,090.00	21,090.00
SL 118-2 Shaw Mine Complex Summit and Elklick Twps. Somerset County	Excavation of Box Cuts and Installation of Clay Seals (9/70-11/70)	M. F. Fetterolf Coal Co., Inc.	300,000.00	300,000.00
SL 118-2A Shaw Mine Complex Elklick and Summit Twps. Somerset County	Continuation of SL 118-2 (12/70-7/71)	M. F. Fetterolf Coal Co., Inc. Credit	750,000.00 52,160.50	697,837.50
SL 118-2B Shaw Mine Complex Elklick Township Somerset County	Continuation of SL 118-2 and SL 118-2A (3/72-6/72)	M. F. Fetterolf Coal Co., Inc.	183,800.00	183,800.00
SL 118-3 Shaw Mine Complex Elklick Township Somerset County	Evaluation of Box Cuts and Installation of Clay Seals (4/70-5/71)	Sanner Brothers Coal Co. Addendum Credit	300,000.00 300,000.00 14,550.44	585,449.56
SL 118-3-2 Shaw Mine Complex Elklick Township Somerset County	Continuation of SL 118-3 (4/72-5/73)	Sanner Brothers Coal Co.	324,600.00	324,600.00
SL 118-4 Shaw Mine Complex Elklick and Summit Twps. Somerset County	Installation of Grout Curtain (4/72-7/73)	John Grayson Co. C.O. #1 (Credit)	879,950.00 12,367.18	867,582.82
SL 118-5 Shaw Mine Complex Summit Township Somerset County	Deep Mine Seals (7/72-12/72)	Allied Asphalt Co., Inc. C.O. #1 C.O. #3 (Credit)	89,750.00 6,000.00 994.50	94,755.50
SL 118-6 Shaw Mine Complex Somerset County	Site Evaluation - Acid Mine Drainage Abatement	Meiser & Earl Hydrogeologists Credit	137,664.00 49,191.82	88,472.18
SL 119 Holidaysburg Watershed Blair County	Strip Mine Reclamation (10/69-11/69)	Ray Bartlebaugh	1,497.00	1,497.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL120 Prince Gallitzin State Park Cambria County	Backfilling and restoring 10 acres of abandoned strip mines	Department of Environmental Resources	\$ 30,481.00	\$ 30,481.00
SL 121 Trough Creek Huntingdon County	In-Stream Neutralization with Limestone Barriers (1/68-4/73)	Africa Engineering Associates, Inc. Amendment Credit	22,198.22 4,000.00 880.39	25,317.83
SL 121-1* Trough Creek Huntingdon County	Construction of Limestone Barriers (8/70-1/73)	Roland G. Tiracorda C.O. #1 C.O. #2 C.O. #3 (Credit)	184,450.00 6,820.00 26,180.00 323.40	217,126.60
SL 122 Loyalhanna Watershed Westmoreland County	Engineering Survey to recommend abatement measures (7/69-11/72)	Buchart & Horn C.O. #1	107,500.00	123,240.00
SL 122-1 Loyalhanna Watershed Westmoreland County	Acid Mine Drainage Project St. Vincent Refuse Pile (Moving-Covering) (2/71-6/71)	Five-R Excavating, Inc.	12,982.00	12,982.00
SL 122-2 Keystone State Park Westmoreland County	Landscape Restoration (3/71-10/73)	M. Robert Fenton Amendment	30,000.00 337.10	30,337.10
SL 122-2-1 Keystone State Park Westmoreland County	Regrading and treatment of mine refuse (8/73-10/73)	Weaver Coal Co.	64,550.00	64,550.00
SL 122-3 Keystone State Park Westmoreland County	Deep Mine Seal and Grout Curtain (8/73-11/73)	M. F. Fetterolf Coal Co., Inc. C.O. #1	14,698.00 6,080.90	20,778.90
SL 122-3-1 Keystone State Park Westmoreland County	Construction of Mine Drainage Pollution Abatement Facilities (1/75-4/75)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2 (Credit)	21,560.00 1,982.00 2,106.25	21,435.75
SL 122-4 Loyalhanna Watershed Westmoreland County	Design of Refuse Pile Reclamation	Department of Environmental Resources		
SL 122-4-1 Loyalhanna Watershed Hannestown Salem Township Westmoreland County	Refuse Pile Restoration (11/73-7/74)	Weaver Coal Construction Co. C.O. #2 C.O. #3 Credit	777,270.00 6,750.00 5,563.53 22,505.53	767,078.00
SL 122-4-3 Loyalhanna Watershed Shieldsburg Salem Township Westmoreland County	Refuse Pile Restoration (11/73-8/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #3 C.O. #4	490,306.00 22,800.00 4,487.50 9,479.70	527,073.20
SL 122-5 Loyalhanna Watershed Westmoreland County	Pre-Design Investigation and Design for Treatment Plant	Pullman-Swindell Credit	701,903.88 552,442.24	149,461.64
SL 123 Saw Mill Run Watershed City of Pittsburgh Allegheny County	Mine Drainage Abatement Survey. Final engineering report received (8/68-5/69)	Chester Engineers Amendment (Credit)	10,000.00 402.20	9,597.80
SL 124 (Engineering) Wilkes-Barre Luzerne County	For completing engineering work for evaluating the feasibility of erecting a demineralization of flash distillation plant (6/69-7/69)	Westinghouse Electric Corp.	67,707.00	65,707.00
SL 124 (Plant) Wilkes-Barre Luzerne County	Demineralization Plant Contract terminated (7/69-7/71)	Westinghouse Electric Corp. Credit	14,200,000.00 9,550,000.00	4,650,000.00
SL 125 Pine Township Lycoming County Kettle Creek Clinton County	Provide technical services for the operation of mine drainage treatment plants including maintenance and repairs (2/69-2/73)	Consolidated Sportsmen of Lycoming County Amendment #2 Credit	5,000.00 2,674.00 680.86	6,993.14
SL 125-1 Kettle Creek Clinton County	Provide maintenance and repair services for operation of treatment plant (3/73-2/75)	Consolidated Sportsmen of Lycoming County Credit	6,000.00 4,148.84	1,851.16

\*Paid from General Fund



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 125-2 Kettle Creek Clinton County	Lime Treatment (3/75-4/76)	Consolidated Sportsmen of Lycoming County Credit	\$ 2,000.00 1,176.00	\$ 824.00
SL 126-1 Panther and Black Creeks Swatara Watershed Schuylkill County	Engineering Contract to locate pollution sources (4/70-10/72)	Gannett Fleming Corddry & Carpenter, Inc. Credit	144,000.00 .06	143,999.94
SL 126-1-1 Swatara Creek Watershed Schuylkill County	Design-Acid Mine Drainage Pollution Abatement (3/73-7/75)	Valverde & Franko Amendment (Credit)	55,120.00 7,077.15	48,042.85
SL 126-1-2 Swatara Creek Watershed Schuylkill County	Design-Acid Mine Drainage Pollution Abatement (8/73-4/77)	Nicholas, Crowley, Brosch and Associates, Inc. Amendment Credit	12,985.00 10,340.00 739.20	22,585.80
SL 126-1-5* Swatara Creek Watershed Schuylkill County	Acid Mine Drainage Pollution Abatement	George R. Lynn, Inc. C.O. #1 C.O. #2 (Credit) C.O. #3	240,281.05 2,749.25 2,789.97 30,760.80	271,001.13
SL 126-2 Middle Creek, Gebhard Run, Coal Run, Goodspring Creek and Swatara Creek Watershed Schuylkill County	Engineering Survey to determine pollution abatement needed (9/69-12/71)  Additional services including reproduction of mine maps, cross sections and related data not included in the original contract.	Berger Associates, Inc.  Service Purchase Contract No. 113222 Amendment	118,306.00  1,000.00 4,216.00	123,522.00
SL 126-2A Swatara Creek Schuylkill County	Design of Hydraulic Sealing of the Bowman and Coleman Water Level Tunnels (4/71-6/72)	Berger Associates, Inc. Credit	69,326.00 55,835.80	13,490.20
SL 126-2-1 Coal Run Frailey Township Schuylkill County	Installation of Flume, construction of drainage ditches, sealing of abandoned strip pits and reconditioning of stream beds (2/70-6/70)	George R. Lynn	57,964.40	57,964.40
SL 126-2-2 Bailey and Gebhard Run Frailey and Reilly Twps. Schuylkill County	Installation of flumes, construction of drainage ditches and reconditioning of stream beds (2/70-9/70)	Miller and Brown	100,015.00	100,015.00
SL 126-2-6 Gebhard Run Schuylkill County	Acid Mine Drainage Abatement (1/73-3/78)	Berger Associates, Inc. Amendment Amendment Amendment Amendment	164,524.00 7,163.96 1,800.00 541.20 9,671.30 974.75	184,675.21
SL 126-2-7 Swatara Creek Watershed Schuylkill County	Acid Mine Drainage Facilities (9/73-3/77)	Swatara Coal Co. C.O. #2 C.O. #3 C.O. #4 (Credit) C.O. #5 (Credit) C.O. #6 (Credit) C.O. #7 C.O. #8 C.O. #9 C.O. #10	2,340,194.72 1,650.00 5,381.00 216,415.33 68,295.32 625.00 50,500.00 28,565.51 31,341.29 17,868.73	2,190,165.60
SL 126-2-7/9F Swatara Creek Watershed Schuylkill County	Remedial Work (9/78-12/78)	Bowman Brothers Truck- ing, Inc. C.O. #2	78,422.54 4,577.21	82,999.75
SL 126-2-8 Swatara Creek Watershed Schuylkill County	Design - Abatement Project (3/74-10/75)	Berger Associates, Inc. Amendment Credit	13,960.00 5,387.26 657.26	18,690.00
SL 126-2-9 Swatara Creek Watershed Frailey Township Schuylkill County	Construction - Mine Drainage Pollution Abatement Martins Run Restoration (2/75-10/75)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2 (Credit)	195,103.00 5,933.70 188.47	200,848.23
SL 126-2-11-101.2 Borough of Tremont Schuylkill County	Union Street Bridge (Design)	Michael Baker, Jr., Inc. Credit	22,985.00 7,174.94	15,810.06

\*\$1,296.43 from October 1976 Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 126-3 Lower Rausch and Lorberry Creeks Swatara Creek Watershed Schuylkill County	Engineering Survey to locate pollution sources (3/69-5/72)	Anthracite Research & Development Co., Inc.	\$ 47,700.00	\$ 47,700.00
SL 126-3-3 Lower Rausch and Lorberry Creeks Swatara Creek Watershed Schuylkill County	Feasibility Study (10/77-10/78)	Bellante, Clauss, Miller, and Nolan, Inc. Amendment Credit	18,741.86 2,449.96 10,596.68	10,595.14
SL 127 Hillsdale Indiana County	Construction of drainage facilities (8/69-10/69)	Adrian D. Davis	6,960.00	6,960.00
SL 127-1 Grant Township Indiana County	Abatement of acid mine drainage on the East Run Watershed. (12/69-6/71)	L. Robert Kimball Credit	5,000.00 546.20	4,453.80
SL 129 Jermyn Borough Lackawanna County	Abatement of Mine Acid Drainage Project completed on August 26, 1969	Wagner Construction Co.	19,770.00	19,770.00
SL 130 Burgetts Fork of Raccoon Creek Washington County	Feasibility Study of Lengeloth Francis Mine Complex (1/70-12/75)	E. D'Appolonia Amendment Amendment Amendment Credit	24,000.00 5,000.00 5,000.00 5,975.00 1,071.28	38,903.72
SL 130-1 Raccoon Creek Smith and Hanover Twps. Washington County	Study and Design for Acid Mine Drainage Pollution Abatement on State Game Land #117	E. D'Appolonia Amendment Amendment Amendment	35,000.00 299.20 19,600.00 3,400.00	58,299.20
SL 130-1-101.1 Raccoon Creek Smith and Hanover Twps. Washington County	Construction of Acid Mine Drainage Pollution Abatement Facilities, State Game Land #117 (10/75-3/77)	Anjo Construction Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5	615,300.00 209.00 44,420.40 38,300.00 22,451.48 855.11	721,535.99
SL 130-2 Hillman State Park Washington County	Mine Drainage Pollution Survey (9/70-11/72)	A.C. Ackenheil & Associates, Inc.	75,420.00	75,420.00
SL 130-2-1 Raccoon Creek Hillman State Park Washington County	Design of Reclamation Project Areas 1A, 1B, 3 and 4 (11/72-7/77)	A. C. Ackenheil & Associates, Inc. Amendment Amendment	74,610.00 29,900.00 17,300.00	121,810.00
SL 130-2-1.1A Raccoon Creek Hillman State Park Washington County	Strip Mine Reclamation Project Area 1A (10/73-11/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1 C.O. #2	388,250.00 23,406.00 12,177.73	423,833.73
SL 130-2-1.1B* Raccoon Creek Hillman State Park Washington County	Construction - Acid Mine Drainage Abatement Facilities Project Area #1B (7/75-8/77)	Beaver Construction and Grading Co., Inc. C.O. #1 C.O. #3 C.O. #4 C.O. #6 (Credit)	1,156,795.00 1,743.47 25,000.00 15,000.00 18,533.59	1,180,004.88
SL 130-2-1.3 Raccoon Creek Hillman State Park Washington County	Construction of Strip Mine Reclamation Project Area No. 3 (8/73-5/75)	M & M Equipment Sales Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4 C.O. #5	347,692.50 6,939.15 3,907.75 75,882.00 1,125.46 516.50	436,063.36
SL 130-2-1.4 Raccoon Creek Hillman State Park Washington County	Strip Mine Reclamation Project Area No. 4 (8/73-4/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1	76,735.00 3,830.00	80,565.00
SL 130-3 Hanover and Smith Townships Washington County	Remove, transport and sell all coal uncovered (1/71-8/72)	Bologna Coal Co. Supplemental Agreement Credit	300,000.00 65,000.00 119,533.90	245,446.10
SL 130-3-1A Raccoon Creek Smith Township Washington County	Construction of Acid Mine Drainage Facilities (5/78-11/78)	Transcontinental Con- struction Co., Inc. C.O. #1 C.O. #2 (Credit)	384,195.00 28,569.25 11,361.99	401,402.26

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 130-4 Raccoon Creek Washington County	Core Drilling - Langeloth Mine (2/71)	Sprague & Henwood, Inc. Credit	\$ 2,575.15 353.33	\$ 2,221.82
SL 130-5 Cherry Valley Raccoon Creek Washington County	Subsidence Sealing and Backfill (2/73-3/73)	Alex E. Paris Contracting Co. Change Order #1 (Credit)	13,900.00 30.80	13,869.20
SL 130-7 Raccoon Creek Allegheny, Beaver and Washington Counties	Watershed Study (9/73-4/76)	A. C. Ackenheil & Associates, Inc. Amendment (Credit) Credit	137,200.00 14,500.00 244.81	122,455.19
SL 130-7-1 Raccoon Creek Washington County	Design of Abatement Measures Strip Mine Reclamation (10/74-7/76)	A. C. Ackenheil & Associates, Inc. Amendment Credit	18,625.00 15,346.39 3,957.38	30,014.01
SL 130-7-2 Raccoon Creek Washington County	Mine Drainage Site Evaluation	A. C. Ackenheil & Associates, Inc. Amendment Amendment Credit	53,150.00 6,850.00 89,600.00 104,853.67	44,746.33
SL 130-8* Raccoon Creek Washington, Allegheny and Beaver Counties	Demonstration Project	A. C. Ackenheil & Associates, Inc. Amendment Amendment	91,589.00 8,563.80 6,407.60	106,560.40
SL 130-10-101.1 Smith Township Washington County	Channel Construction	M&M Equipment Sales Co. C.O. #1 (Credit)	9,915.00 234.85	9,680.15
SL 131 Little Scrubgrass Venango County	Sludge Removal (7/72-9/72)	Allied Asphalt Co., Inc.	13,950.00	13,950.00
SL 131-1 Little Scrubgrass Venango County	Strip Mine Restoration, Mine Seals, Highwall Grouting Project terminated (12/72-9/73)	Gwin, Dobson & Fore- man, Inc. Credit	31,000.00 15,000.00	16,000.00
SL 131-2 Little Scrubgrass Venango County	Cleaning Sludge Basin (8/77-9/77)	Max Greeley & Sons C.O. #1 (Credit)	10,070.00 414.00	9,656.00
SL 131-3-101.1 Little Scrubgrass and Swamp Creek Venango and Elk Counties	Exterior Lime Storage Tank Painting	Louis Hortert	3,250.00	3,250.00
SL 132 Little Toby Creek Watershed Elk County	Study and design to develop abatement plan for mine complex (7/69-7/74)	Lee-Simpson Associ- ates, Inc.	75,450.00	75,450.00
SL 132-1A Little Toby Creek Fox Township Elk County	Strip Mine Reclamation (2/74-11/74)	Vipond & Vipond C.O. #3	384,000.00 571.00	384,571.00
SL 132-2 Rattlesnake Creek Jefferson County	Development of Plans and Specifications for a Mine Drainage Pollution Abatement Project (7/71-12/74)	Eugene J. Aufiero & Associates Amendment Amendment Amendment Amendment Credit	19,538.00 1,841.00 4,520.00 9,000.00 700.00 1,298.99	34,300.01
SL 132-2-101.1 Rattlesnake Creek Snyder and Washington Townships Jefferson County	Deep Mine Seals and Strip Mine Restoration (3/74-11/74)	Trans-Continental Construction Co., Inc. C.O. #1 C.O. #2 C.O. #3 (Credit)	194,735.00 2,249.50 5,708.00 .50	202,692.00
SL 132-2-101.5 Rattlesnake Creek Jefferson County	Exploratory Drilling (2/73-3/73)	Harvey Diamond Drilling Co. C.O. #1 (Credit)	6,160.00 1.55	6,158.45
SL 132-2-102.1 Rattlesnake Creek Jefferson County	Construction, Plugging Discharge and Restoration			Work completed under SL 132-2-102.5 and SL 132-2-103.1
SL 132-2-102.5 Rattlesnake Creek Jefferson County	Subsurface Exploration (9/76-10/76)	Roy Soster C.O. #1	700.00 245.00	945.00

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 132-2-103.1 Rattlesnake Creek Jefferson County	Sealing of Mine Drainage Pipe (4/77-5/77)	Roy Soster C.O. #1	\$ 7,000.00 400.00	\$ 7,400.00
SL 132-5 Toby Creek Fox Township Elk County	Watershed Study (6/73-12/78)	Lee-Simpson Associates, Inc. Amendment Amendment Credit	40,630.00 9,700.00 12,830.20 .06	63,160.14
SL 132-5-101.1 Toby Creek Fox Township Elk County	Construction - Acid Mine Drainage Abatement Project (9/75-10/76)	E. M. Brown, Inc. C.O. #1 (credit) C.O. #2 C.O. #3 C.O. #4 (Credit) C.O. #5 (Credit)	493,160.00 103,400.00 2,144.00 28,813.00 4,673.96 26,490.00	389,553.04
SL 132-5-101.1R Toby Creek Fox Township Elk County	Remedial Work (5/78)	Soil Services	8,112.50	8,112.50
SL 132-5-101.2 Toby Creek Fox Township Elk County	Design - Acid Mine Drainage Abatement Project (4/75-10/76)	Eugene J. Aufiero and Associates Credit	61,175.00 7,783.61	53,391.39
SL 132-5-101.5 Toby Creek Watershed Elk County	Subsurface Investigation (8/76-12/76)	Pennsylvania Drilling Co. C.O. #1 (Credit)	71,002.00 2,561.65	68,440.35
SL 132-5-102.1 Toby Creek Fox Township Elk County	Acid Mine Drainage Abatement (12/79-8/80)	Keystone Pipe and Supply Co. C.O. #1	84,676.89 15,933.85	100,610.74
SL 132-5-102.2 Toby Creek Fox Township Elk County	Design of Acid Mine Drainage Abatement Project	Department of Environmental Resources	-0-	-0-
SL 132-5-104.2 Little Toby Creek Watershed Fox Township Elk County	Acid Mine Drainage Sampling	Toby Creek Watershed Association, Inc. Credit	9,800.00 82.10	9,717.90
SL 132-5-106.2 Little Toby Creek Elk County	Mine Drainage Limestone Treatment Facilities	Geo-Technical Services Amendment Amendment Credit	142,228.00 1,600.00 2,659.00 44,928.91	101,558.09
SL 132-6 Mead Run Elk County	Watershed Study	Department of Environmental Resources	-0-	-0-
SL 132-6-101.2 Mead Run Elk County	Design - Acid Mine Drainage Abatement Project	Department of Environmental Resources	-0-	-0-
SL 132-7 Toby Creek Elk County	Coal Hollow Reclamation U.S. Soil Conservation Service	Soil Conservation Service	-0-	-0-
SL 133 Mill Creek Clarion County	Engineering Survey Engineering Study completed	Department of Environmental Resources	-0-	-0-
SL 133-1 Mill Creek Clarion County	Well Plugging (3/71-6/71)	Etzel Gas Company C.O. #1 Credit	31,100.00 3,150.00 387.86	33,862.14
SL 133-4 Mill Creek Watershed Clarion County	Design of Acid Mine Drainage Facilities (4/73-2/79)	Michael Baker Jr., Inc. Amendment Amendment Credit	21,740.00 12,070.00 9,665.00 9,007.62	34,467.38
SL 133-4-101.1 Mill Creek Watershed Clarion County	Construction - Strip Mine Reclamation (9/75-12/75)	Robert Goodall C.O. #1 (Credit)	219,675.00 84,604.29	135,070.71
SL 133-5 Mill Creek Watershed Clarion County	Watershed Study (4/75-8/77)	Gwin Engineers, Inc. Amendment Credit	72,000.00 4,000.00 10,000.00	66,000.00
SL 134 Rush Township Centre County	Cold Stream Ine Drainage Abatement (7/69-8/69)	Delta Excavating & Trucking Co., Inc.	5,287.50	5,287.50

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 134-1 Rush Township Centre County	Deep Mine Drainage Diversion (10/70-11/70)	Roland G. Tiracorda	\$ 18,396.00	\$ 18,396.00
SL 134-2 Rush Township Centre County	Deep Mine Drainage	Pennsylvania Coal Co. C.O. #1 (Credit)	22,717.73 22,005.09	712.64
SL 135(a) Catawissa Creek Luzerne and Schuylkill Counties (Susquehanna River Basin)	Feasibility Study-Sealing Audenreid and Quakake Tunnels (9/69-11/75)	Gannett Fleming Corddry & Carpenter, Inc. Credit	117,500.00 37,500.00	80,000.00
SL 135(b) Beaver and Wetzel Creeks Luzerne and Carbon Counties (Delaware Basin)				
SL 135-1 Catawissa Creek Hazle Township Luzerne County	Channel Relocation (12/69-2/70)	Wyoming Sand and Stone Co. Amendment (Credit)	38,959.00 8,429.32	30,529.68
SL 135-2 Catawissa Creek East Union Township Schuylkill County	Clearing Mine Tunnel No. 3 (12/70-6/71)	Drew Development Co. Addendum C.O. #1 Credit	19,661.00 55,625.00 4,378.32 36.00	79,628.32
SL 135-3 Catawissa Creek East Union Township Schuylkill County	Subsurface Investigation of Tunnel No. 2 (9/70-10/71)	Sprague & Henwood, Inc. C.O. #1 Credit	32,131.50 3,971.61 2.00	36,101.11
SL 135-3-2 Catawissa Creek Schuylkill County	Equipment Rental for Preparatory Work (2/75-3/75)	George Racho Credit	4,516.00 652.00	3,864.00
SL 135-4 Catawissa Creek Schuylkill County	Investigation of Tunnel No. 1 Subsurface (2/71-4/71)	Pennsylvania Drilling Co. Credit	40,232.50 5,975.60	34,256.90
SL 135-5 Catawissa Creek Carbon County	Clearing of Quakake Drainage Tunnel (5/71-11/71)	Empire Contracting Co. C.O. #2 Credit	47,950.00 15,000.00 4,927.51	58,022.49
SL 135-6 Catawissa Creek Schuylkill County	Clearing Part of Audenreid Drainage Tunnel (7/71-12/71)	Empire Contracting Co. C.O. #2 Credit	75,790.00 35,000.00 8,622.79	102,167.21
SL 135-6.1 East Union Township Schuylkill County	Seeding Mine Areas (7/73-8/73)	Northeastern Hydro Seeding Co.	3,000.00	3,000.00
SL 135-8 Wetzel Creek Carbon County	Design of Limestone Barriers (1/73-9/75)	Geo-Technical Services Amendment Credit	75,803.00 3,850.00 30,739.55	48,913.45
SL 135-9 Tomhicken Creek Luzerne and Schuylkill Counties	Design - Stream Channelization	Department of Environmental Resources		
SL 135-9-101.1 Tomhicken Creek Luzerne and Schuylkill Counties	Construction of Stream Channelization (9/75-11/75)	George R. Lynn, Inc.	17,700.00	17,700.00
SL 135-10 Quakake Water Level Tunnel Carbon County	Acid Mine Drainage Limestone Barrier	Geo-Technical Services Amendment Amendment Amendment Amendment Amendment Credit	67,046.00 3,440.20 2,080.00 24,611.00 19,300.00 55,000.00 995.15	170,482.05
SL 135-10-101.1 Quakake Water Level Tunnel Carbon County	Acid Mine Drainage Abatement Site Restoration (6/77-7/77)	George R. Lynn, Inc. C.O. #1	44,897.00 162.00	45,059.00
SL 135-10-102.1 Quakake Water Level Tunnel Carbon County	Construction of Limestone Barriers	John Thatcher and Son, Inc. C.O. #1 C.O. #2 (Credit)	281,716.00 51,055.68 1,586.52	331,185.16

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 135-11-101.6 Catawissa Creek Schuylkill County	Engineering Study	Geo-Technical Services Amendment Amendment #6	\$ 39,416.00 2,500.00 5,567.50	\$ 47,483.50
SL 136* Tioga River Tioga County	Design of Abatement Project for remedial work. Application submitted to EPA for cooperative program	Gannett, Fleming, Corddry & Carpenter, Inc. Amendment (Credit) Amendment Amendment Amendment Credit	183,780.00 37,500.00 14,000.00 6,486.00 1,643.52 7,271.75	161,137.77
SL 136-1 Tioga River Watershed Morris Run Vicinity Tioga County	Engineering Feasibility Study (11/71-2/72)	Gannett Fleming Corddry & Carpenter, Inc.	11,500.00	11,500.00
SL 136-2* Coal Creek and Morris Run Ward and Hampton Twps. Tioga County	Construction Monitoring Stations and Weirs for Tioga River Demonstration Projects (12/73-5/74)	Allegheny Mountain Co. C.O. #2 C.O. #3 C.O. #4	27,015.00 2,675.00 2,300.00 2,243.50	34,233.50
SL 136-3* Ward Township Tioga County	Acid Mine Drainage Abatement Restore Strip Mine Pits (2/75-5/77)	Allegheny Mountain Co. C.O. #2 C.O. #3 C.O. #4 C.O. #5 C.O. #6 C.O. #7	429,996.00 5,101.20 4,700.00 5,798.00 5,209.03 11,058.00 400.00	462,262.23
SL 136-4** Ward Township Tioga County	Transportation of Sewage Sludge from Williamsport to project site (2/75-3/75)	Allegheny Mountain Co.	8,330.00	8,330.00
SL 137 Plymouth Borough Luzerne County	Abatement and Reclamation	Department of Environmental Resources		
SL 138 Cucumber Run Ohiopyle State Park Fayette County	Feasibility Study (9/69-3/75)	E. D'Appolonia Amendment Amendment Credit	25,000.00 4,500.00 2,575.00 1.56	32,073.44
SL 138-1 Cucumber Run Fayette County	Exploratory Excavation (3/71-6/71)	S. T. Mitchell C.O. #1 C.O. #2 Credit	14,895.00 10,000.00 14,655.00 156.00	39,394.00
SL 138-2 Cucumber Run Fayette County	Subsurface Exploration (3/71-4/71)	Pennsylvania Drilling Co. Credit	7,667.00 824.50	6,842.50
SL 138-3 Cucumber Run Watershed Ohiopyle State Park Fayette County	Design of Abatement Measures	E. D'Appolonia Consulting Engineers, Inc. Amendment (Credit) Amendment Amendment (Credit) Amendment Amendment Amendment Amendment (Credit)	46,600.00 6,880.00 3,080.00 298.67 2,750.94 4,802.00 1,920.80 4,830.22	47,144.85
SL 138-3-101.1 Cucumber Run Watershed Fayette County	Construction of Mine Sealing	GAL Construction, Inc. and Solomon and Teslovich, Inc. C.O. #1 C.O. #3 C.O. #4 (Credit)	854,994.00 14,716.60 35,893.76 2,299.31	903,305.05 (Includes Project SL 138-3-102.1)
SL 138-3-101.5 Cucumber Run Watershed Fayette County	Subsurface Investigation (12/77)	Borings, Soils & Testing Co. C.O. #1 (Credit)	3,200.00 462.50	2,737.50
SL 139 Upper Lackawanna River Lackawanna, Wayne and Susquehanna Counties	Survey for Pollution Abatement Project (7/69-6/74)	Albert E. Peters Associates Amendment Credit	102,300.00 400.00 13.28	102,686.72
SL 139-1 Lackawanna River Watershed Lackawanna and Luzerne Counties	Survey for Pollution Abatement Project	Albert E. Peters Associates Amendment Amendment Amendment	250,000.00 8,200.00 4,500.00 3,300.00	266,000.00

\*Full Federal Funding

\*\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 139-1-1A Laurel Run Lackawanna River Watershed Lackawanna County	Construction of Restoration Project	Roland G. Tiracorda C.O. #1 C.O. #2 C.O. #3 (Credit)	\$ 325,572.00 17,400.00 25,800.00 8,677.50	\$ 360,094.50
SL 139-1-3 Lidy Creek Lackawanna River Watershed Luzerne County	Construction of Restoration Project (7/75-7/76)	John Connolly & Sons, Inc. C.O. #1 C.O. #2	27,912.00 5,644.96 2,446.86	36,003.82
SL 139-1-4 Mayfield Hosey Run Lackawanna River Watershed Lackawanna County	Restoration - Hosey Run at Mayfield (8/75-10/75)	Ezra Stipp Construction Co. C.O. #1	55,310.50 91.00	55,401.50
SL 139-1-4-201-1R Mayfield - Hosey Run Lackawanna River Watershed Lackawanna County	Rehabilitation of Hosey Creek	Lycoming Construction Co. C.O. #1 C.O. #2	131,764.80 8,618.40 6,140.65	146,523.85
SL 139-1-5 Alesworth Creek and Reservoir Borough of Archbald Lackawanna County	Design of Limestone Neutralization Facilities	Geo-Technical Services Amendment Amendment Amendment (Credit) Amendment Amendment Credit Credit	50,410.00 5,800.00 5,050.00 3,300.00 2,920.00 15,460.00 7,556.63 594.96 579.00	83,482.67
SL 139-1-5-101.5 Alesworth Creek and Reservoir Borough of Archbald Lackawanna County	Subsurface Investigation (5/78)	Boring, Soils and Testing Co. C.O. #1 (Credit)	6,165.00 97.20	6,067.80
SL 139-1-5-201.1 Aylesworth Creek Watershed Lackawanna County	Mine Drainage Pollution Abatement	The Milnes Company, Inc. C.O. #2 C.O. #3 (Credit)	315,763.00 31,736.00 2,979.90	344,519.10
SL 139-1-6 Fall Brook City of Carbondale Lackawanna County	Acid Mine Drainage Pollution Abatement	Gannett Fleming Corrdry & Carpenter, Inc. Amendment Amendment (Credit)	61,925.00 8,295.00 3,960.98	66,259.02
SL 139-1-6-101.1 Fall Brook Lackawanna River Watershed Lackawanna County	Acid Mine Drainage Pollution Abatement	Wyoming Sand & Stone Co. C.O. #1 C.O. #2	735,076.50 12,045.00 3,330.60	750,452.10
SL 139-3 Fels Township Lackawanna County	Stream Pollution Abatement Study of Northwest Pump Outfalls (11/72-4/74)	Geo-Technical Services Credit	26,449.00 7,549.00	18,900.00
SL 139-4 Lackawanna River Watershed Clinton Township Wayne County	Mine Drainage Pollution Abatement (3/74-5/74)	American Asphalt Paving Co.	45,818.00	45,818.00
SL 140 Chalfant Run Churchill Borough Allegheny County	Survey to recommend Mine Drainage Pollution Measures (6/71-4/75)	Alex Hutchinson & Son	15,740.00	15,740.00
SL 141 Redstone Creek North Union Township Fayette County	Combined Acid Mine Drainage Sewage Treatment Feasibility Study (9/69-9/73)	Fayette Engineering Co. Amendment	9,500.00 312.00	9,812.00
SL 141-1 South Union Twp. Fayette County	Strip Mine Reclamation (10/70-5/71)	L and J Equipment Co.	78,257.00	78,257.00
SL 141-2 Redstone Creek Watershed Uniontown Syncline Fayette County	Watershed Study 3/74-6/77)	A. C. Ackenheil and Associates, Inc. Amendment Amendment Credit	123,600.00 41,300.00 11,950.00 15,000.00	161,850.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 142 Pigeon Creek Carroll Township Washington County	Design for treatment facility construction under Contract No. SL 142-1	Department of Environmental Resources	\$	\$
SL 142-1 Pigeon Creek Carroll Township Washington County	Construction of a Mine Drainage Treatment Plant for the control and treatment of acid mine drainage polluting the water of Pigeon Creek (10/69-3/71)	Alex E. Paris Contracting Co. C.O. #1 C.O. #2	46,182.11 4,945.00 2,060.37	53,187.48
SL 142-3 Mon Valley Westmoreland County	Design - Caustic Soda Treatment Facility	Gannett Fleming Corddry & Carpenter, Inc. Amendment Amendment Amendment Credit	11,260.00 11,000.00 450.00 5,730.47 12,000.00 8,902.39	31,538.08
SL 142-3-101.11 Mon Valley Westmoreland County	General Construction - Mon Valley Sewage Authority System (9/77-7/78)	Anjo Construction Co. C.O. #1 C.O. #2 C.O. #3	46,948.00 800.00 968.00 12,603.05	61,319.05
SL 142-3-101.12 Mon Valley Westmoreland County	Ventilating Work (3/78-6/78)	Garfield, Inc.	7,900.00	7,900.00
SL 142-3-101.14 Mon Valley Westmoreland County	Electrical Work (3/78-6/78)	Milan's Electric	7,297.00	7,297.00
SL 142-3-201.13 Mon Valley Westmoreland County	Mechanical/Plumbing Work (9/77-9/78)	D. L. Kollar Co., Inc. C.O. #2	55,789.00 5,668.00	61,457.00
SL 143 Alder Run Clearfield County	Stream Survey (8/69-12/70)	Skelly and Loy	100,900.00	100,900.00
SL 143-1 Alder Run Clearfield County	Relocate channel including site preparation, diversion of water, excavation fill, seeding and cleanup (6/70-11/70)	G & R Construction Co., Inc. C.O. #1 C.O. #2 C.O. #3	97,000.00 1,690.00 8,000.00 1,200.00	107,890.00
SL 143-2 Alder Run Watershed Clearfield County	Test Borings	Borings, Soils and Testing Co., Inc. Amendment (Credit)	10,050.00 2,348.20	7,701.80
SL 143-3 Alder Run Watershed Clearfield County	Design of remedial measures for Abatement of Mine Drainage Pollution. Provide complete engineering services for four (4) project areas. (6/70-2/73)	Skelly and Loy	14,640.00	14,640.00
SL 143-3C.1 Alder Run Graham and Morris Twps. Clearfield County	Construction Project Area No. 4 (4/74-6/74)	Penn Coal. Co. and Thompson Bros. Coal Co. C.O. #1 C.O. #2	83,836.50 662.40 525.41	85,024.31
SL 143-4 Alder Run Clearfield County	Design of Mine Drainage Pollution Abatement Facilities (12/70-9/74)	Skelly and Loy Amendment Amendment Credit	156,400.00 11,055.00 1,000.00 374.07	168,080.93
SL 143-7A Alder Run Watershed Clearfield County	Strip Mine Reclamation (12/73-5/74)	Penn Coal Co. & Thompson Bros Coal Co. C.O. #3 (Credit)	195,206.65 641.92	194,564.73
SL 143-7B Alder Run Watershed Clearfield County	Strip Mine Reclamation (8/73-7/74)	Penn Coal Co. & Thompson Bros. Coal Co. C.O. #5 (Credit)	286,878.55 145.67	286,732.88
SL 143-8 Alder Run Watershed Clearfield County	Strip Mine Reclamation (8/73-8/74)	Penn Coal Co. and Thompson Bros. Coal Co., Inc. C.O. #1 C.O. #2	142,923.00 844.00 2,660.00	146,427.00
SL 144 State Game Land #108 and #184 Cambria County	Investigation with Plans and Specifications for Abatement Measures (9/70-12/74)	Gwin, Dobson & Forman, Inc. C.O. #1 Credit	15,000.00 2,070.00 .32	17,069.68



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 145 Babb Creek Bear Run Mine Complex Bloss Township Tioga County	Pollution Abatement Babb Creek Watershed (3/70-9/72)	Boyer Kantz	\$ 7,895.00	\$ 7,895.00
SL 145-1 Babb Creek Watershed Bloss Township Tioga County	Watershed Study for Acid Mine Drainage Abatement Project	Boyer Kantz Credit	68,000.00 1,138.90	66,861.10
SL 146 Turtle Creek Westmoreland County	Pollution Abatement (3/70-10/70)	Morris J. Liebergott Amendment	31,762.00 27,600.00	59,362.00
SL 146-1 White Valley Turtle Creek Westmoreland County	Investigation of the Del-Ex Mine drainage discharge, and design and supervision of construction of abatement measures. (1/71-12/72)	George Wright Amendment Credit	32,700.00 11,545.00 11,604.27	32,640.73
SL 146-2 Turtle Creek Valley Allegheny County	Borough of North Braddock Core Boring and Pressure Testing (4/72-6/72)	Allied Asphalt Co., Inc. C.O. #1	3,140.00 337.50	3,477.50
SL 146-4 Turtle Creek N. Huntingdon Township Coal Run Westmoreland County	Surface Mine Water Control and Mine Sealing (7/73-11/73)	Yelinek & Smail, Inc. C.O. #1	14,515.00 1,600.00	16,115.00
SL 147 Big Scrubgrass Creek Watershed Venango County	Acid Mine Drainage Pollution Abatement Study (7/71-5/73)	Pantech Engineers, Inc.	84,300.00	84,300.00
SL 147-1 Big Scrubgrass Creek Watershed Venango County	Design of Strip Mine Reclamation Abatement Measures	Department of Environmental Resources	-0-	-0-
SL 147-1-101.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Construction of Mine Drainage Pollution Abatement. Mine Site No. 9, State Game Lands No. 39 (4/75-9/75)	Allegheny Mountain Co.	44,600.00	44,600.00
SL 147-1-102.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Construction of Acid Mine Drainage Pollution Abatement Mine Sites 12, 13 and 15 (8/75-8/76)	United Excavating Co. C.O. #2 (Credit) C.O. #3 C.O. #4	344,448.50 9,784.73 3,400.00 3,733.50	341,797.27
SL 147-1-103.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Construction of Acid Mine Drainage Pollution Abatement Mine Sites 4, 5, 6 and 18 (11/75-8/76)	Trans-Continental Construction Co., Inc. C.O. #1	87,550.00 15,636.65	103,186.65
SL 147-1-104.1 Big Scrubgrass Creek Watershed Clinton Township Venango County	Construction of Acid Mine Drainage Pollution Abatement Mine Site 17 (10/75-8/76)	Trans-Continental Construction Co., Inc. C.O. #1 (Credit) C.O. #2	359,510.00 30,059.70 1,256.25	330,706.55
SL 147-1-104.5 Big Scrubgrass Creek Watershed Clinton Township Venango County	Rental of Equipment for Exploratory Excavation (6/75-7/75)	Trans-Continental Construction Co., Inc.	2,720.00	2,720.00
SL 147-1-203-1R Big Scrubgrass Creek Watershed Clinton Township Venango County	Subsurface Drainage Collection System	A. Graziani & Sons, Inc. C.O. #1	5,350.00 294.00	5,644.00
SL 149 Yellow Creek Park Indiana County	Development of Abatement Facilities (4/70-5/70)	Stanley Brady and B. R. Loughry	4,748.00	7,748.00
SL 149-1 Yellow Creek Park Indiana County	Brush Valley Township Test Borings and installation of four (4) water observation wells (9/70-11/70)	Pennsylvania Drilling Co. Credit	9,328.00 794.16	8,533.84

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 150 Wilkes-Barre City Parsons Section Luzerne County	Removal of Saxon Refuse Bank (3/70-2/71) Bank contained considerably more refuse material than originally estimated. Additional fill material is required relative to backfilling abandoned strip mine pits.	Empire Contracting Co. Addendum	\$ 540,540.00 126,000.00	\$ 666,540.00
SL 151 Bens Creek South Fork Somerset County	Design of Pollution Abatement Thomas Mills Area	Department of Environmental Resources	-0-	-0-
SL 151-1 Conemaugh Township Somerset County	Thomas Mills Area Pressure curtain grouting and reclamation (3/72-7/72)	M. F. Fetterolf Coal Co. C.O. #1	84,400.00 10,014.20	94,414.20
SL 151-1A Conemaugh Township Somerset County	Acid Mine Drainage Abatement (9/72-6/73)	M. F. Fetterolf Coal Co. C.O. #1 (Credit)	87,975.00 12.00	87,963.00
SL 151-1B Conemaugh Township Somerset County	Pipe Cleaning	Pittsburgh Pipe Cleaner Co.	1,650.00	1,650.00
SL 153 Borough of Bellwood Watershed Blair County	Strip Mine Reclamation (11/70-5/72)	Windy Hill Construction Co. C.O. #1 Credit	197,904.00 2,850.00 1,439.73	199,314.27
SL 153-1-101.5 Borough of Bellwood Blair County	Subsurface Investigation (10/78-12/78)	Universal Technical, Inc. C.O. #1	5,460.00 980.00	6,440.00
SL 153-1-102.5 Borough of Bellwood Blair County	Subsurface Exploration	Universal Technical, Inc. C.O. #1 (Final)	6,870.00 3,020.65	9,890.65
SL 154 Chest Creek Watershed Cambria County	Pollution Abatement - Brubaker Run Elder Township (3/71-7/71)	W. L. Fedorko Consulting Engineers	6,233.28	6,233.28
SL 154-3 Chest Creek Watershed Cambria County	Reclamation of Red Top Refuse Pile (7/73-8/73)	Trans-Continental Construction Co., Inc. C.O. #1	27,310.00 1,540.00	28,850.00
SL 155 Muddy Run Watershed Clearfield County	Pollution Abatement Survey (7/70-7/72)	Skelly & Loy Amendment Amendment	157,500.00 4,700.00 1,025.00	163,225.00
SL 155-1 Reade Township Cambria County	Correct an acid mine drainage problem by filling and grading of strip pits (1/73-7/73)	M. F. Fetterolf Coal Co., Inc. Change Order #1	30,250.00 6,200.00	36,450.00
SL 155-2 Muddy Run Watershed Clearfield County	Pollution Abatement - Design of Acid Mine Drainage Project (3/71-11/73)	Skelly and Loy Credit	122,700.00 11,252.96	111,447.04
SL 155-3 Muddy Run Watershed Clearfield and Cambria Counties	Test Core Borings (8/71-9/71)	Pennsylvania Drilling Co. Credit	27,603.50 3,017.55	24,585.95
SL 155-4 Muddy Run Watershed Clearfield County	Refuse Pile Reclamation (7/73-11/73)	M. H. Greenland Co.	31,500.00	31,500.00
SL 155-9 Muddy Run Watershed Clearfield County	Design of Strip Mine Reclamation Project terminated (2/74-6/74)	Skelly and Loy Amendment (Credit) Credit	44,250.00 9,289.00 7,206.06	27,754.94
SL 155-10-101.5 Janesville Dam Gulick Township Clearfield County	Exploratory Drilling and Monitoring Wells	L. G. Hetager Drilling Co. C.O. #1	17,822.55 11,590.84	29,413.44
SL 156 Plymouth Luzerne County	Duffy Run Creek Channel (8/70-9/70)	Empire Contracting Co.	8,500.00	8,500.00
SL 157 Piersons Run Boyce Park Allegheny County	Acid Mine Drainage Abatement Survey Study (11/70-9/71)	General Analytics, Inc. Amendment (Credit)	15,258.00 6,898.59	8,359.41

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 158 Yellow Creek Watershed Butler County	Watershed Study and Design (5/71-12/74)	Green Engineering Co. Amendment Amendment Amendment Amendment Credit	\$ 23,900.00 16,100.00 2,500.00 2,100.00 16,800.00 2,000.00	\$ 59,400.00
SL 158-101.5 Yellow Creek Drainage Basin Butler County	Test Borings Stanford Mine Area (8/72-10/72)	Geo-Mechanics, Inc. C.O. #1 (Credit)	7,340.00 461.50	6,878.50
SL 159 Cowanshannock Creek Watershed Armstrong County	Design of Quick Start Projects Mine Drainage Pollution Abatement Study and Site Evaluations (7/70-11/72)	Carson Engineers Amendment Credit	59,066.00 53,850.00 16.30	112,899.70
SL 160 English Run Lycoming County	Engineering Study (8/70-7/71)	English Engineering Corp.	65,000.00	65,000.00
SL 160-1 English Run Pine Run Tributary Lycoming County	Refuse Pile Reclamation (8/75-11/75)	Roy Soster C.O. #1 (Credit)	53,200.00 2,625.00	50,575.00
SL 161 Elk State Forest Elk County	Dents Run Watershed Pollution Abatement. (6/72-5/74)	Conable, Sampson, Van kuran, Hufflut (Credit)	56,390.60 68.00	56,322.60
SL 161-101.1 Dents Run Elk State Forest Elk County	Mine Drainage Pollution Abatement (10/73-1/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1 (Credit) C.O. #2 (Credit) Credit	110,750.00 10,468.25 1,152.00 4,321.75	94,808.00
SL 162-1 Moon Run Allegheny County	Watershed Study (6/71-4/76)	Engineering Mechanics, Inc. Amendment Amendment (Credit) Credit	35,892.00 3,214.41 2,507.68 1,901.11	34,697.62
SL 163 West Branch Susquehanna River Clearfield County	Sterling Mine #6 - Treatment of Mine Discharge. Emergency completed.	Department of Environmental Resources		
SL 163-1 West Branch Susquehanna River Clearfield County	Curwensville neutralization of acid mine water. Emergency Treatment completed	Department of Environmental Resources		
SL 163-2 West Branch Susquehanna River Cambria County	Treatment Facilities at Watkins Blowout (9/70-10/70)	Trans-Continental Construction Co. Lime and Supplies	25,000.00	25,000.00
SL 163-2A West Branch Susquehanna River Cambria County	Construction of Treatment Facilities (10/70-4/72)	Latrobe Construction Co. Credit	165,000.00 23,340.14	141,659.86
SL 163-3 West Branch Susquehanna River Clearfield County	Survey (10/70-9/72)	Gwin, Dobson & Foreman, Inc.	193,500.00	193,500.00
SL 163-3 W. Branch Susquehanna River Clearfield County	Outflow from Curwensville Dam Emergency Treatment	Department of Environmental Resources Chemicals and Labor		187,372.02
SL 163-4 W. Branch Susquehanna River Lycoming and Clinton Counties	Jersey Shore Area Emergency Treatment Plant	Department of Environmental Resources Chemicals and Labor		60,498.90
SL 163-5 W. Branch Susquehanna River Cambria County	Watkins Area	Department of Environmental Resources Chemicals and Labor Rental of Conveyor		825,259.84 6,000.00
SL 163-6 W. Branch Susquehanna River Clearfield County	Mahaffey Area Emergency Treatment Completed	Department of Environmental Resources Chemicals and Labor		4,948.13

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 163-7 Elk Run Blacklick Township Cambria County	Construction of Duman Treatment Facility (4/71-5/71)	Latrobe Construction Co. Amendment Credit	\$ 50,000.00 20,000.00 20,117.04	\$ 49,882.96
SL 163-7 Elk Run Blacklick Township Cambria County	Construction of Duman Treatment Facility (6/72-9/74)	Barnes and Tucker Verbal Agreement Transfers Court Order Payment	400,000.00 120,000.00 150,126.26 1,327,991.18	1,998,117.44
SL 164 Kiski River Indiana County	Saltsburgh Neutralization of Acid Mine Water - Treatment Completed	Department of Environmental Resources		
SL 164-1 Little Conemaugh Watershed Cambria County	Watershed Study (6/74-2/75)	Neilan Engineers, Inc. Credit	138,200.00 92,568.87	45,631.13
SL 165 Farmington Township Clarion County	Tom's Run Spoil Pile Neutralization (7/70-7/71)	Allied Asphalt Co., Inc. Credit	87,550.00 79.57	87,470.43
SL 165-1 Farmington Township Clarion County	Preparation of Plans and Specifications for Vegetation	Department of Environmental Resources Ebensburg District Office		
SL 165-1-101.1 Farmington Township Clarion County	Construction-Vegetation of Strip Mine Spoil (9/75-10/75)	Trans-Continental Construction Co., Inc. Credit	31,500.00 630.00	30,870.00
SL 166 Neshannock Creek Mercer County	Removal of refuse bank which created water pollution in Springfield Township at the location of the Bowie Coal Company (8/73-11/73)	A. Graziani & Sons C.O. #1	86,000.00 2,289.00	88,289.00
SL 167 Little Schuylkill River Watershed Schuylkill County	Pollution Abatement Engineering Survey (12/70-8/72)	A. W. Martin & Associates	136,160.00	136,160.00
SL 167-1 Little Schuylkill River Watershed Schuylkill County	Design of Acid Mine Drainage Drainage Pollution Treatment Project	A. W. Martin Associates, Inc. Amendment Amendment Amendment Amendment Credit Credit Credit	227,175.00 7,140.00 12,820.00 7,900.00 15,000.00 9,715.00 9,534.50 115,430.00 15,000.00	139,785.50
SL 169 Interstate 80 Clarion County	Engineering Survey (3/71-11/73)	Gwin, Dobson & Foreman, Inc. Amendment	6,000.00 2,000.00	8,000.00
SL 169-1 Interstate 80 Clarion County	Curtain Grouting and Reclamation (5/73-11/73)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	58,700.00 17,134.25	41,565.75
SL 170 Wiconisco Creek Watershed Schuylkill and Dauphin Counties	Watershed Survey (11/70-6/75)	Sanders & Thomas, Inc. Amendment Credit	90,834.00 5,450.00 32.06	96,251.94
SL 170-1A State Game Land No. 264 Wiconisco Creek Watershed Wiconisco Township Dauphin County	Construction-Strip Mine Reclamation Abatement Project "D" (9/73-6/75)	J & C Coal Co. C.O. #1	188,529.00 6,210.43	194,739.43
SL 170-1A-102.1R State Game Land No. 264 Wiconisco Creek Watershed Wiconisco Township Dauphin County	Remedial Work (7/78)	Bowman Bros. Trucking, Inc. C.O. #1	1,340.00 16.00	1,356.00
SL 170-2 Wiconisco Watershed Dauphin County	Strip Mine Reclamation (9/73-11/74)	Fannick's, Inc. C.O. #1 (Credit)	221,658.00 6,641.00	215,017.00
SL 170-2-102.1R Wiconisco Watershed Dauphin County	Remedial Work (7/78)	Bowman Bros. Trucking, Inc. C.O. #1 (Credit)	524.00 7.00	517.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 170-3 Wiconisco Watershed Dauphin County and Schuylkill Counties	Engineering Survey (10/77-2/78)	Alfred B. Reidel Credit	\$ 4,500.00 319.65	\$ 4,180.35
SL 170-5-101.1 Sheridan Refuse Bank Porter Township Schuylkill County	Erosion and Sedimentation Control	Faylor-Middlecreek, Inc. C.O. #1	398,150.00 223,356.09	621,506.09
SL 173 Mahoning Creek Watershed Jefferson and Clearfield Counties	Engineering survey above Big Run (2/71-4/75)	Delta Associates Credit	28,970.00 .36	28,969.64
SL 173-1 Sandy Lick and Mahoning Creek Watershed Jefferson County	Design of Acid Mine Drainage Abatement Project	Department of Environmental Resources		
SL 173-1-1 Sandy Lick and Mahoning Creek Watersheds Jefferson County	Construction - Acid Mine Drainage Project (7/75-8/76)	Roy Soster C.O. #4 C.O. #6 (Credit)	84,665.00 22,250.00 1,314.50	105,600.50
SL 173-1-1J* Sandy Lick and Mahoning Creek Watersheds Jefferson County	Remedial Work (10/78)	Roy Soster	3,600.00	3,600.00
SL 174 Jeddo Tunnel Luzerne County	Pollution Abatement Survey (7/71-10/72)	Bellante, Clauss, Miller & Nolan Credit	130,000.00 117,559.58	12,440.42
SL 175 Beech Creek Park Beaver County	Strip Mine Reclamation and Restoration (9/72-10/73)	Beaver Concrete & Gravel Co. Change Order #1 (Credit)	99,164.00 4,034.00	95,130.00
SL 176 Allegheny Portage National Railroad Blair and Cambria Counties	Sealing, burying of refuse dumps and backfilling	Department of Environmental Resources		
SL 176-1A Juniata Township Blair County	Seeding of restored mine refuse areas (10/72-11/72)	Thomas R. Balsinger	1,617.00	1,617.00
SL 179 Stony Creek Watershed Somerset County	Survey and Site Evaluation of Deep Mine Complexes (9/71-9/75)	Carson Engineers Amendment Amendment Credit	151,702.00 49,798.00 18,200.00 187.27	219,512.73
SL 179-1 Stoney Creek Watershed Somerset County	Design of Strip Mine Reclamation (11/75-12/78)	Carson Engineers Amendment Amendment Amendment (Credit)	14,638.00 2,300.00 6,132.25 318.25	22,752.00
SL 179-0-201.5 Wells Creek Area Stony Creek Watershed Somerset County	Exploratory Drilling (6/74-8/74)	The Foundation Services, Inc. C.O. #1	19,964.00 1,102.07	21,066.07
SL 179-1-101.1 Indian Lake Stony Creek Watershed Somerset County	Strip Mine Reclamation (6/77-6/78)	Anjo Construction Co. C.O. #1 C.O. #2 (Credit)	217,300.00 9,865.83 1,259.26	225,906.57
SL 179-4-101. Village of Hooversville Somerset County	Mine Drainage Facilities	Commonwealth Stone, Inc. C.O. #1 C.O. #2	57,649.75 4,983.25 689.33	63,322.33
SL 180-1-101.1 Solomon Creek Watershed Wilkes-Barre Township Luzerne County	Construction of Strip Mine Restoration Project (11/75-7/76)	Roger E. Gerhart C.O. #1 C.O. #2	481,824.00 21,361.00 30,826.80	534,011.80

\*Paid from Eloise Flood Funds

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 180-1-101.2 Solomon Creek Watershed Newport Creek Luzerne County	Design for Strip Mine Restoration, Zayre Area	Geo-Technical Services Credit	\$ 60,130.00 23,153.45	\$ 36,976.55
SL 181-101.1 Wyoming Valley Luzerne County	Ortho-Photo Mapping for Wyoming Valley Drainage Pollution Abatement Project (11/72-4/73)	Green Engineering Co. Amendment Amendment	95,000.00 6,768.41 3,250.00	105,018.41
SL 181-2 Newport Creek Luzerne County	Watershed Survey (7/73-2/75)	Skelly & Loy Credit	64,000.00 5,000.00	59,000.00
SL 181-3 Nanticoke, Warrior and Solomon Creeks Luzerne County	Watershed Survey (6/73-9/75)	Geo-Technical Services Amendment Amendment Amendment Credit	94,567.80 13,338.00 5,662.00 19,000.00 10,000.00	122,567.80
SL 181-3-101.5 Sugar Notch Run Warriors Creek and Solomon Creek Watershed Luzerne County	Subsurface Investigation	Giles Drilling Co. C.O. #1 (Credit)	7,330.00 454.70	6,875.30
SL 181-4 Mill Creek Watershed Luzerne County	Mine Drainage Survey and Planning Study to Develop Abatement Plan	Geo-Technical Services Amendment Amendment Amendment Amendment Credit	79,009.20 4,300.00 9,967.94 790.00 2,818.00 5,280.00 13,043.22	89,121.92
SL 182-1 Blacklegs Creek Watershed Young and Conemaugh Townships Indiana County	Excavation, Sealing and Backfilling Drainage Channels and Sinkholes (11/73-3/74)	B. R. Loughry C.O. #1	24,968.00 1,740.00	26,708.00
SL 182-2-201.1 Big Run Indiana County	Acid Mine Drainage Abatement (5/78-8/78)	Jack Lentz Contracting C.O. #1	59,627.50 5,021.20	64,648.70
SL 182-3-101.5 Blacklegs Creek Watershed Indiana County	Subsurface Investigation (3/78-5/78)	Continental Drilling Co. C.O. #1 (Credit)	32,288.00 9,200.60	23,087.40
SL 185 Blacklick Creek Watershed Indiana and Cambria Counties	Acid Mine Drainage Study (7/73-4/78)	Michael Baker Jr., Inc. Amendment Credit	181,000.00 727.97 199.96	181,528.01
SL 185-1-101.1 Blacklick Township Cambria County	Sealing Mine Opening	Delta Excavating & Trucking Inc. C.O. #1 (Credit)	13,483.00 2,250.00	11,233.00
SL 186 Georges Creek Watershed Fayette County	Mine Drainage Survey and Planning Study to Develop Abatement Plan	Carson Engineers Amendment Credit	143,500.00 40,400.00 23,052.75	160,847.25
SL 186-1 Georges Creek Watershed Fayette County	Design Abatement Measures Strip Mine Reclamation (9/74-1/76)	Carson Engineers Amendment (Credit) Credit	29,954.00 7,059.23 3,376.94	19,517.83
SL 187-2 Wilkes-Barre Luzerne County	Rotary Mine Refuse Bank (6/72-5/73)	Glasgow, Inc. C.O. #1	600,000.00 56,197.13	656,197.13
SL 188 Loyalsock Creek Watershed Sullivan and Wyoming Counties	Mine Drainage Survey and Planning Study to Develop an Abatement Plan (8/73-8/76)	Bellante, Clauss, Miller and Nolan Amendment	53,687.91 2,000.00	55,687.91
SL 191 Toby Creek Watershed Clarion County	Survey and Study to Develop Acid Mine Drainage Abatement Plan (7/73-12/78)	Gwin, Dobson & Foreman, Inc. Credit	117,400.00 6,778.97	110,621.03
SL 191-0-101.5 Toby Creek Watershed Deer Creek Watershed Clarion County	Exploratory Drilling (6/77-7/77)	Continental Drilling Co. C.O. #1 (Credit)	29,677.50 3,015.91	26,661.59
SL 191-1 Toby Creek Clarion County	Site Evaluation (3/73-6/74)	Gwin, Dobson & Foreman, Inc. Credit	14,700.00 800.00	13,900.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 191-1-1 Toby Creek Clarion County	Strip Mine Reclamation Design	Gwin, Dobson & Foreman, Inc. Amendment Amendment (Credit)	\$ 111,750.00 10,640.00 45,968.17	\$ 76,421.83
SL 191-1-101.5 Toby Creek Clarion County	Ground Water Observation Well Installation	Borings, Soils & Testing Co. C.O. #1 (Credit)	8,589.00 1,858.00	6,731.00
SL 191-1-102.8 Toby Creek Clarion County	Monitoring and Evaluating of Strip Mine Demonstration Project - State Game Lands #72	Clarion State College Amendment Credit	11,808.00 1,192.00 672.10	12,327.90
SL 191-1-201.1 Toby Creek Clarion County	Construction of Strip Mine Reclamation Project	Weiss Brothers Construction Company, Inc. C.O. #1 (Credit) C.O. #2 (Credit)	1,360,892.00 84,117.70 10,716.10	1,266,058.20
SL 191-1-202.1 Toby Creek Clarion County	Strip Mine Demonstration Project - State Game Lands #72 (9/78-11/78)	Bracken Construction Co. C.O. #1 (Credit) C.O. #2 (Credit)	255,449.00 30,000.00 2,709.56	222,739.44
SL 192 Piney Creek Clarion County	Acid Mine Drainage Survey and Study to Develop Abatement Plan	Gwin, Dobson & Foreman, Inc. Amendment Credit	148,500.00 1,700.00 15,000.00	135,200.00
SL 192-1 Piney Creek Clarion County	Design of Acid Mine Drainage Facilities (4/73-5/79)	Michael Baker Jr., Inc. Amendment Credit	26,977.50 1,711.00 128.48	28,560.02
SL 192-1-101.5 Piney Creek Watershed Piney Township Clarion County	Observation Well Installation	L. Robert Kimball & Associates C.O. #1 (Final)	6,785.45 3,955.30	10,740.75
SL 193 Deer Creek Watershed Clarion County	Survey and Study to Develop an Abatement Plan (7/73-12/78)	Gwin, Dobson & Foreman, Inc. Credit	143,500.00 6,854.13	136,645.87
SL 193-1 Deer Creek Watershed Clarion County	Site Evaluation	Gwin, Dobson & Foreman, Inc.	8,715.00	8,715.00
SL 193-1-1 Deer Creek Watershed Clarion County	Design for Deep Mine Sealing	Gwin, Dobson & Foreman, Inc. Amendment Amendment (Credit) Amendment Amendment Amendment	27,552.50 5,300.00 7,703.50 439.94 365.54 1,454.92	27,409.40
SL 193-1-101.1 Deer Creek Watershed Clarion County	Acid Mine Drainage Abatement	Commonwealth Stone, Inc. C.O. #1 C.O. #2 C.O. #3 (Credit)	206,657.00 119,331.55 54,000.00 21,414.00	358,574.55
SL 193-1-201.5 Deer Creek Watershed Clarion County	Subsurface Investigation	Pennsylvania Drilling Co. C.O. #1 (Credit)	9,675.00 2,274.30	7,400.70
SL 193-3 Deer Creek Watershed Clarion County	Design of Oil and Gas Well Plugs	Department of Environmental Resources		
SL 193-4-101.1 Deer Creek Watershed Clarion County	Strip Mine Demonstration Project	Trans-Continental Construction Co., Inc C.O. #1 (Credit)	116,999.56 3,271.26	113,728.30
SL 193-4-101.5 Deer Creek Watershed Clarion County	Drilling and Sampling AMD Observation Wells	L. Robert Kimball & Associates C.O. #1 (Credit)	12,520.00 1,847.00	10,673.00
SL 194 Licking Creek Watershed Clarion County	Acid Mine Drainage Survey and Planning Study (7/73-6/77)	Buchart-Horn, Inc. Credit	196,500.00 17,002.25	179,497.75
SL 194-1 Licking Creek Watershed Clarion County	Site Evaluation (3/73-6/75)	Gwin, Dobson & Foreman, Inc. Credit	12,275.00 800.00	11,475.00
SL 195 Bennett Branch Sinnemahoning Creek Elk, Clearfield and Cameron Counties	Acid Mine Drainage Survey and Planning Study to Develop Abatement Plan (4/73-12/76)	Berger Associates Amendment Amendment Credit	187,605.00 14,398.00 6,000.00 4,980.85	203,022.15

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 195-1-101.1 Bennett Branch of Sinnemahoning Creek Benezette Township Elk County	Strip Mine Reclamation	Robert Newton C.O. #1 C.O. #3 C.O. #4 C.O. #5 C.O. #6 Credit	\$ 341,999.41 3,784.80 47,320.00 11,930.14 3,460.16 66,306.30 5,458.00	\$ 469,342.81
SL 195-1-101.2 Bennett Branch of Sinnemahoning Creek Benezette Township Elk County	Design - Strip Mine Reclamation	Berger Associates Amendment Amendment Amendment Amendment Amendment	26,188.00 2,000.00 4,102.00 3,400.00 1,060.00 5,752.56 418.93	41,685.72
SL 197 Mahanoy Creek Northumberland Columbia and Schuylkill Counties	Mine Drainage Survey and Study to Develop Abatement Plan (10/73-9/74)	Sanders & Thomas Credit	164,064.00 36,121.21	127,942.79
SL 197-1-101.5 Village of Lost Creek Schuylkill County	Subsurface Investigation	L. Robert Kimball and Associates C.O. #1	28,530.00 1,476.70	30,006.70
SL 198 Pine Creek Hampton Township Allegheny County	Site Evaluation and Design for Wildwood Mine Complex	Department of Environmental Resources		
SL 198-1 Pine Creek Hampton Township Allegheny County	Borehole Plugging (9/73-10/73)	Pennsylvania Drilling Co. C.O. #1 (Credit)	9,750.00 2,987.50	6,762.50
SL 198-2 Wildwood Treatment Plant Hampton Township Allegheny County	Mine Drainage Treatment Facility (4/74-10/74)	Frank Gavlik & Sons C.O. #1  C.O. #3 (Credit)	202,445.00 12,575.00  136.00	214,884.00
SL 198-2-76 Wildwood Treatment Plant Hampton Township Allegheny County	Cleaning of Lagoon (5/77-6/77)	Vogel Disposal Services, Inc.	17,750.00	17,750.00
SL 198-2-78 Wildwood Treatment Plant Hampton Township Allegheny County	Cleaning Lagoon (10/78-11/78)	Vogel Disposal Services, Inc.	28,300.00	28,300.00
SL 198-2-80 Wildwood Treatment Plant Hampton Township Allegheny County	Cleaning Lagoon	Vogel Disposal Services, Inc.	38,500.00	38,500.00
SL 198-2-82 Wildwood Treatment Plant Hampton Township Allegheny County	Cleaning Lagoon	M. DePasquale, Inc.	39,000.00	39,000.00
SL 199 North Branch Bear Creek Bear Creek Watershed Butler County	Mine Drainage Survey and Planning Study to Develop Abatement Plan	Department of Environmental Resources		Completed by District Office - 1975
SL 199-1 S. Branch Bear Creek Fairview Township Butler County	Well Plugging - Design	Department of Environmental Resources		
SL 199-1-1 S. Branch Bear Creek Fairview Township Butler County	Water Pollution Abatement Plugging Abandoned Oil Well (12/74-1/75)	Etzel Gas Co. C.O. #1	5,940.00 545.00	6,485.00
SL 1-17:1-101.1J Anderson Creek Watershed Bloom Township Clearfield County	Mine Drainage Pollution	Donald R. Stephens T/A Soil Services C.O. #1 (Credit)	4,500.00 583.33	3,916.67



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 1-17:1-101.2 Anderson Creek Watershed Clearfield County	Design of Acid Mine Drainage Abatement Area Nos. 14, 16, 17 and 24 (11/74-9/77)	Gwin Engineers, Inc. Amendment (Credit)	\$ 32,656.00 7,729.40	\$ 24,926.60
SL 1-17:1-101.6 Anderson Creek Clearfield County	Survey of Stream Pollution Abatement (11/72-4/75)	Gwin Engineers, Inc. Credit	71,214.00 9,000.00	62,214.00
SL 1-17:1-201.1 Anderson Creek Watershed Clearfield County	Construction-Acid Mine Drainage Abatement, Area Nos. 14, 16, 17 and 24 (1/76-6/77)	Trans-Continental Construction Co., Inc. C.O. #1 C.O. #2 (Credit) C.O. #4 C.O. #5 (Credit)	209,490.00 4,463.42 31,918.28 16,750.00 1,856.03	196,929.11
SL 1-73:1-101.2 Clearfield Creek Watershed Clearfield County	Design-Acid Mine Drainage Pollution Abatement, Japling and Lost Run (7/73-7/74)	Skelly and Loy Amendment (Credit)	65,100.00 17,786.29	47,313.71
SL 1-73:1-101.7 Moshannon Creek Watershed Clearfield Creek Clearfield, Cambria and Centre Counties	Survey of Stream Pollution Abatement (7/72-5/75)	Skelly and Loy Amendment	214,800.00 21,100.00	235,900.00
SL 1-73:1-102.2 Clearfield Creek Clearfield and Cambria Counties	Design-Strip Mine Reclamation (1/76)	Skelly and Loy Amendment (Credit)	71,450.00 58,041.02	13,408.98
SL 1-73:1-103.2 Moshannon Creek Centre County	Design-Strip Mine Reclamation (1/76-2/76)	Skelly and Loy Amendment (Credit)	39,928.00 5,616.60 35,269.39	10,275.21
SL 1-73:1-104.2 Clearfield Creek Cambria County	Design-Strip Mine Reclamation (12/75-2/76)	Gwin Engineers, Inc. Amendment (Credit)	47,817.00 40,057.35	7,759.65
SL 1-94:1-101.11 Statewide	Testing Laboratory Services (1/73-12/73)	Gwin, Dobson & Foreman, Inc.	15,865.00	15,865.00
SL 1008-101.5 Commodore Indiana County	Exploratory Drilling	D'Appolonia Drilling, Inc. C.O. #1 (Credit)	4,412.50 1,680.00	2,732.50
SL 1009-101.5 South Connellsville Fayette County	Exploratory Drilling	Lambert, Inc. C.O. #1	5,960.00 335.40	6,295.40
SL 1010-101.1 Village of Munson Morris Township Clearfield County	Construction of Mine Drainage Facilities	Roy S. Soster C.O. #1 (Credit)	7,080.00 220.00	6,860.00
SL 1013-101-1 Plain Grove Township Lawrence County	Shaft Backfill	Donald Lark & Sons C.O. #1 (Credit)	\$ 7,990.00 2,715.57	\$ 5,274.43
SL 1014-101.6 Swatara Creek Lebanon and Schuylkill Counties	Watershed Pollution Study of Swatara Creek	Skelly & Loy Engineers - Consultant Credit	226,535.04 5,793.26	220,741.78
SL 1015-101.1 Canoe Creek Watershed Ashland Township Clarion County	Construction of Wetland Treatment Systems	William C. Porter, Excavating C.O. #1	41,364.50 994.70	42,359.20
SL 1015-102.1 Jennings Environmental Education Center Brady Township Butler County	Construction of Wetland Treatment Systems	Chutz Contracting, LTD C.O. #1	60,383.07 7,107.56	67,490.63
<b>AIR POLLUTION</b>				
SL 200 Statewide	Aerial Photography (7/69-6/70)	L. Robert Kimball	6,250.00	6,250.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 200-1 Statewide	Elimination of Air Pollution from Mine Refuse Fires and Underground Mine Fires (5/74-6/75)	HRB Singer, Inc. Credit	\$ 38,800.00 21,192.00	\$ 17,608.00
SL 201 City of Scranton Lackawanna County	Control and elimination of air pollution from an abandoned burning coal refuse bank located at the Marvine Colliery. (8/68-7/69)	Dixon Contracting Co.	1,750,000.00	1,750,000.00
SL 201-1 City of Scranton Lackawanna County	Control and elimination of air pollution from the South Bank located at the Marvine Colliery. (9/69-5/70)	Dixon Contracting Co.	1,523,808.00	1,523,808.00
SL 201-102.1 City of Scranton Marvine Colliery Lackawanna County	Extinguishment of Marvine Bank Fire	No. 1 Contracting Corp. Credit	9,975.29 1,805.02	8,170.27
SL 201-2-101.1 City of Scranton Marvine Colliery Lackawanna County	Equipment Rental (5/78-10/78)	No. 1 Contracting Corp. C.O. #1 C.O. #2 (Credit)	70,760.00 58,080.00 28,596.00	100,244.00
SL 203* Taylor Borough Lackawanna County	Burning Refuse Bank Extinguishment Project. (7/69-7/70) Continuation of project including ultimate site restoration	No. 1 Contracting Co.  Addendum Credit	1,081,850.00  300,000.00 29,564.85	1,352,285.15
SL 204 Huber Bank Fire Luzerne County	Elimination of Burning Culm Bank near the Huber Colliery	Dixon Contracting Co. Amendment Credit	2,800,000.00 1,500,000.00 371,786.84	3,928,213.16
SL 204-1 Huber Bank Luzerne County	Exploratory Boreholes (1/72-2/72)	Tully Drilling Co. Credit	5,390.00 11.00	5,379.00
SL 204-2 Huber Bank Fire Luzerne County	Extinguishment of Refuse Bank Fire (10/72-5/73)	Empire Contracting Co. C.O. #1	97,830.00 85,141.68	182,971.68
SL 204-3 Huber Bank Fire Hanover Township Luzerne County	Exploratory Drilling and Sampling (9/75-10/75)	Giles Drilling Corp. C.O. #1 (Credit)	3,687.50 314.54	3,372.96
SL 205 Chartiers Township Washington County	Burning Houston Refuse Bank Extinguishment Project. Contract approved November 1969. (2/70-11/70)	Allied Asphalt Co. C.O. #1 (Credit) C.O. #2 Credit	128,570.00 12,850.00 9,700.00 184.96	125,235.04
SL 206 N. Strabane Township Washington County	Extinguishment of refuse fire along Interstate 79 by drilling of holes and injection of fly ash slurry under pressure.	Allied Asphalt Co. Service Purchase Contract Amendment (Credit)	4,000.00  12.00	3,988.00
SL 207 Eddy Creek Lackawanna County	Burning Bank - Throop Area (11/70-1/72)	Dixon Contracting Co. C.O. #1 (Credit)	2,713,300.00 66,746.06	2,646,553.94
SL 209 N. Fayette Township Allegheny County	Sanitary Landfill Fire (7/71-8/71)	Floyd Lutz, Jr. Credit	1,980.00 500.00	1,480.00
SL 210 Forrestville Schuylkill County	Burning Bank	Dixon Contracting Co. Credit Credit	4,500,000.00 3,796,825.00 500,000.00	203,175.00
SL 210-1 Forrestville Schuylkill County	Exploratory boreholes and one drainage borehole to provide water to quench the bank material. (4/71-5/71)	Tully Drilling Co. Credit	8,940.00 1,570.00	7,370.00
SL 210-2 Forrestville Cass Township Schuylkill County	Extinguishment of burning coal refuse bank (7/72-12/74)	M. F. Fetterolf Coal Co., Inc. C.O. #1	2,073,100.00	2,100,262.53
SL 210-3 Forrestville Schuylkill County	Erosion Control Forrestville Refuse Bank Fire Area (7/76-10/76)	Carbon Equipment Co., Inc. C.O. #1	17,130.65 2,192.27	19,322.92

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 210-4-101.5 Forrestville Cass Township Schuylkill County	Exploratory Drilling	Borings, Soils & Testing Co. C.O. #1 (Credit)	\$ 6,830.00 255.00	\$ 6,575.00
SL 211-A Williams Township Dauphin County	Refuse Bank Fire (8/73-7/76)	Helker Construction Co. C.O. #1 (Credit) C.O. #2 (Credit)	1,884,395.00 100,480.00 180,338.95	1,603,576.05
SL 212 West Mifflin Borough Allegheny County	Streets Run Road (4/71-6/71)	Dragan and Son C.O. #1 Credit	8,100.00 4,625.00 7.32	12,717.68
SL 213 Village of Ramey Clearfield County	Burning Pile (11/70-12/70)	Dean Coal Co.	900.00	900.00
SL 214 E. Bethlehem Township Washington County	Culm Bank Fire-Placement of a flyash slurry under pressure into the fire area approximately 600 ft. long. (6/71-7/71)	Allied Asphalt Co. Credit	9,900.00 2,735.01	7,164.99
SL 215 New Kensington Westmoreland County	Burning out cropping and bony dump along river bank approximately 1/2 mile north of Arnold City Line (6/72-11/72)	Allied Asphalt Co., Inc. Change Order #1 (Credit)	45,900.00 19,498.75	26,401.25
SL 217 Mary D Schuylkill County	Tuscarora Refuse Bank	Project completed with other funds		
SL 218 Glen Lyon Luzerne County	Extinguishment of Burning Refuse Bank. (9/73-11/74)	Anthracite Loading, Inc. C.O. #2 (Credit) C.O. #3 C.O. #4 (Credit)	648,915.00 3,375.00 2,680.50 122,011.46	526,209.04
SL 220 Borough of Olyphant Lackawanna County	Refuse Mine Fire (10/72-11/72)	C & S Excavating Co. Credit	7,200.00 720.00	6,480.00
SL 222 Village of Poland Greene County	Mine Refuse Fire (7/75-8/75)	L & J Equipment Co. C.O. #1 (Credit)	14,600.00 11,330.00	3,270.00
SL 223-101.1 Flat Road Luzerne County	Bank Fire (7/78-8/78)	C. B. M. Coal Co. C.O. #1 C.O. #2 (Credit)	5,400.00 4,500.00 540.00	9,360.00
SL 224-101.1 Olyphant Bank Fire Olyphant Borough Lackawanna County	Extinguishment of Refuse Bank Fire	No. 1 Contracting Corp. C.O. #1 Final (Credit)	51,000.00 24,515.00	26,485.00
SL 226-101.1 Bolivar Westmoreland County	Bolivar Refuse Bank Fire	Florence Mining Co.	-0-	-0-
<b>UNDERGROUND MINE FIRES</b>				
AMF 24* Lackawanna County	ARDP #24	U.S. Bureau of Mines	\$ 2,319,518.00	\$ 2,319,518.00
AMF 49* Glen Burn Colliery Northumberland County	Mine Fire	U.S. Bureau of Mines	405,689.00	405,689.00
AMF 53* Centralia Borough Columbia County	Mine Fire	U.S. Bureau of Mines	498,278.00	498,278.00
ASL 301* Penn Hills Township Allegheny County	ARDP #38	U.S. Bureau of Mines	85,496.00	85,496.00
ASL 302* City of Monongahela Washington County	ARDP #20	U.S. Bureau of Mines	72,580.00	72,580.00
ASL 303* Boroughs of Plum and Monroeville Allegheny County	ARDP #17	U.S. Bureau of Mines	16,406.00	16,406.00

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
ASL 304* Upper Tyrone Township Fayette County	ARDP #39	U.S. Bureau of Mines	\$ 72,451.00	\$ 72,451.00
ASL 305* Moon Township Allegheny County	ARDP #28	U.S. Bureau of Mines	118,070.00	118,070.00
ASL 306* Ken Ridge Drive Kennedy Township Allegheny County	ARDP #33	U.S. Bureau of Mines	23,712.00	23,712.00
ASL 307* Borough of Swoyersville Kingston Township Luzerne County	ARDP #36	U.S. Bureau of Mines	783,963.00	783,963.00
ASL 308* City of Scranton Lackawanna County	ARDP #8	U.S. Bureau of Mines	4,162,734.00	4,162,734.00
ASL 309* City of Hazleton Luzerne County	ARDP #35	U.S. Bureau of Mines	1,445,601.00	1,445,601.00
ASL 310* Iselin Indiana County	ARDP #37	U.S. Bureau of Mines	69,651.00	69,651.00
ASL 311* West Mifflin Allegheny County	ARDP #13	U.S. Bureau of Mines	49,048.00	49,048.00
ASL 312* Burgettstown Smith Township Washington County	ARDP #26	U.S. Bureau of Mines	54,500.00	54,500.00
ASL 313* Centralia Columbia County	ARDP #7	U.S. Bureau of Mines	2,385,587.00	2,385,587.00
ASL 314* Delwar Road West Mifflin Allegheny County	ARDP #29	U.S. Bureau of Mines	54,658.00	54,658.00
SL 300 Statewide	Aerial Photography (7/70-9/70)	L. Robert Kimball	3,125.00	3,125.00
SL 301 Plummer-Puritan German Township Fayette County	Preparation of Plans and Specifications. Abatement for Mine Fires	Gwin Engineers, Inc. Credit	10,000.00 1,278.89	8,721.11
	Core Borings completed	Pennsylvania Drilling Co.	4,694.25	4,694.25
	Completed May 25, 1970	L & J Equipment Co. Amendment (Credit)	50,862.50 5,900.25	44,962.25
	Seeding completed April 1971	Soil Service, Inc.	3,750.00	3,750.00
SL 301-1 Plummer-Puritan German Township Fayette County	Subsurface Mine Fire (4/77-5/77)	Dragan and Son C.O. #1	53,920.00 1,179.56	55,099.56
SL 302 North Union Township Fayette County	Phillips Mine Fire (10/69-8/70)	Yelinek & Smail, Inc. Amendment (Credit)	58,780.00 2,520.00	56,260.00
SL 303 Footedale Fayette County	Subsurface Mine Fire (10/70-1/71)	Allied Asphalt Co. C.O. #1 Credit	30,250.00 3,150.00 213.75	33,186.25
SL 303-1 Footedale Fayette County	Subsurface Mine Fire (9/72-2/73)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	46,900.00 9,228.34	37,671.66
SL 304 Mount Carmel Northumberland County	Mine Fire (3/69-6/74)	Helker Construction Co. Amendment C.O. #2 (Credit)	4,810,000.00 3,150,650.00 34,466.90	7,926,183.10
SL 304-101.1H** Mount Carmel Northumberland County	Mine Fire Bank Stabilization (11/77-4/78)	J. Robert Bazley, Inc. C.O. #1 C.O. #2	34,325.00 2,400.00 6,303.00	43,028.00

\* Partial Federal Funding

\*\*\$14,342.00 funded from 01-35-80-77-6-500-96000

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 304-101.2 Mount Carmel Northumberland County	Design of stabilization of bank areas, mine fire		\$	\$
SL 305 Menallen Township Fayette County	Subsurface Mine Fire (11/68-2/69)	Yelinek & Smail, Inc. Amendment (Credit)	14,690.00 26.00	14,664.00
SL 306 Connellsville Township Fayette County	Subsurface Mine Fire (11/69-1/70)	Dragan and Son Amendment (Credit)	18,752.00 2,451.53	16,300.47
SL 306-1 Connellsville Township Fayette County	Subsurface Mine Fire	Dragan and Son C.O. #1 Credit	70,875.00 33,000.00 .79	103,874.21
SL 306-2 Connellsville Township Fayette County	Surface Mine Fire (4/72-5/72)	Allied Asphalt, Inc. C.O. #1 (Credit)	15,930.00 223.15	15,706.85
SL 307 Georges Township Fayette County	Subsurface Mine Fire (2/69-8/69)	Yelinek & Smail, Inc. Amendment (Credit) Amendment	31,550.00 6,254.00 26.00	25,322.00
SL 307-1 Georges Township Fayette County	Core Borings (2/70-3/70)	Dragan and Son Amendment (Credit)	3,540.00 182.90	3,357.10
SL 307-2 George Township Fayette County	Subsurface Mine Fire (10/70-10/71)	L & J Equipment Co. C.O. #1 C.O. #2 (Credit)	45,500.00 2,160.00 408.78	47,251.22
SL 308 Jefferson Borough Allegheny County	Subsurface Mine Fire (9/69-10/70)	Dragan and Son Addendum Amendment (Credit)	40,600.00 43,464.00 4,444.00	79,620.00
SL 308-1 Jefferson Borough Allegheny County	Subsurface Mine Fire Service Purchase Contract (8/70-10/70)	Allied Asphalt Co.	37,989.40	37,989.40
SL 309 West Mahanoy Township Schuylkill County	Kehley Run Mine Fire (9/70-7/77)	No. 1 Contracting Corp. of Delaware Amendment C.O. #1 C.O. #3 C.O. #5 C.O. #6 C.O. #7	3,195,350.00 6,600,000.00 132,680.00 1,531,472.81 139,916.87 41,414.44 40,750.66	11,681,584.78
SL 309-1 West Mahanoy Township Schuylkill County	Seeding Area of Extinguished Kehley Run Mine Fire (10/76-5/77)	Valley Seeding Co., Inc. Amendment	17,500.00 160.00	17,660.00
SL 309-2-101.1 West Mahanoy Township Schuylkill County	Kehley Run Mine Fire Bank Stabilization	George R. Lynn, Inc. C.O. #1	48,788.00 6,609.50	55,397.50
SL 309-2-101.2 West Mahoning Township Schuylkill County	Kehley Run Mine Fire Bank Stabilization	Department of Environmental Resources		
SL 310 Jefferson Township Village of Linn Fayette County	Subsurface Mine Fire (5/70-7/70)	Dragan and Son Credit	15,547.00 3,379.12	12,167.88
SL 311 Plum Borough Allegheny County	Subsurface Mine Fire (1/70-2/70)	Trans-Continental Construction Co. Amendment (Credit)	8,000.00 810.00	7,190.00
SL 312 Throop Borough Lackawanna County	Subsurface Mine Fire-Eddy Creek Colliery Area. Exploratory drilling to determine extent of fire. (9/70-11/70)	Tully Drilling Co. Credit	8,133.00 920.12	7,212.88
SL 312-1 Throop Borough Lackawanna County	Subsurface Mine Fire - Eddy Creek Colliery, Exploratory Drilling (4/72-10/72)	Empire Contracting Co. C.O. #1 (Credit)	10,800.00 164.75	10,635.25
SL 313 N. Fayette Township Allegheny County	Subsurface Mine Fire Halfcrown Road (6/72-8/72)	Trans-Continental Construction Co. C.O. #1	24,940.00 5,229.75	30,169.75

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 314 Coal Township Northumberland County	Extinguishment of burning backfill material - David Start Dump Area (1/71-4/71)	Drew Development Co. Credit	\$ 46,000.00 9.50	\$ 45,990.50
SL 315 Monessen Westmoreland County	Subsurface Mine Fire (6/71-12/71)	Allied Asphalt Co. C.O. #1 C.O. #2 Credit	68,900.00 16,100.00 1,600.00 16.15	86,583.85
SL 316 Blairsville Borough Indiana County	Subsurface Mine Fire (1/71-6/71)	Allied Asphalt Co. C.O. #1	53,250.00 34,125.00	87,375.00
SL 317 Snow Shoe Centre County	Mine Fire (1/71-7/71)	General Equipment Co. Credit	149,355.00 264.15	149,090.85
SL 317-1 Snow Shoe Centre County	Subsurface Mine Fire (2/72-4/72)	Trans-Continental Construction Co. C.O. #1	63,850.00 10,341.50	74,191.50
SL 318 Independence Township Washington County	Subsurface Mine Fire	Department of Environmental Resources		
SL 320 Carroll Township Washington County	Burning Mine Refuse located between Monongahela and Donora on Route No. 837 (7/71-8/71)	Dragan and Son Credit	4,880.00 131.20	4,748.80
SL 321 City of Pittsburgh Allegheny County	Calvary Cemetery Mine Fire (7/72-9/72)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	44,550.00 16,754.95	27,795.05
SL 322 City of Carbondale Lackawanna County	Subsurface Mine Fire (9/72-8/73)	C & S Excavating Co. C.O. #1 (Credit)	17,959.00 309.75	17,649.25
SL 323 W. Pike Run Township Washington County	Subsurface Mine Fire (9/72-11/72)	Dragan and Son C.O. #1 (Credit)	10,910.00 .55	10,909.45
SL 324 Decatur Township Clearfield County	Subsurface Mine Fire (6/73-7/73)	Trans-Continental Construction Co. C.O. #1 (Credit)	23,500.00 2,074.28	21,425.72
SL 325 Ligonier Township Allegheny County	Subsurface Mine Fire (1/74-2/74)	E. R. Caldwell Land Clearing Contracting Co., Inc.	10,614.98	10,614.98
SL 326 Plains Township Luzerne County	Subsurface Mine Fire (12/72-1/73)	CBM Coal Co. Credit	4,000.00 620.00	3,380.00
SL 327 Sproul State Park Noyes Township Clinton County	Subsurface Mine Fire (1/74-2/74)	Penn Coal Co. & Thompson Bros. Coal Co. C.O. #1	9,195.00 1,839.00	11,034.00
SL 328 West Pike Township Washington County	Control and/or Extinguishment of Subsurface Mine Fire (11/74-2/75)	Dragan & Son C.O. #1 C.O. #2	49,999.00 13,200.00 8,764.05	71,963.05
SL 331 Village of Percy N. Union Township Fayette County	Control and/or Extinguishment of Subsurface Mine Fire (10/74-4/75)	E.C.I. Soletanche, Inc. C.O. #1 C.O. #2 C.O. #3	54,450.00 6,600.00 22,800.00 1,601.12	85,451.12
SL 331-1-101.5 Village of Percy N. Union Township Fayette County	Exploratory Drilling (10/78-11/78)	Alex E. Paris Contracting Co., Inc. C.O. #1	11,514.00 1,490.00	13,004.20
SL 331-1-102.5 Village of Percy N. Union Township Fayette County	Exploratory Drilling	Alex E. Paris Contracting Co., Inc. C.O. #1	8,800.00 2,428.00	11,228.00
SL 332 Baldwin Borough Allegheny County	Construction - Control of Underground Mine Fire (3/75-7/75)	Alex E. Paris Contracting Co. C.O. #1 (Credit)	191,036.75 22,523.47	168,513.28
SL 333 East Huntingdon Twp. Westmoreland County	Control of Subsurface Mine Fire, U.S. Steel Fire (8/75-10/75)	Yelinek & Smail, Inc.	25,140.00	25,140.00

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 334 East Huntingdon Twp. Westmoreland County	Mine Fire Control Project Hyskill Property	Yelinek & Smail, Inc. C.O. #1 C.O. #3 (Credit)	\$ 71,918.75 3,465.00 3,487.99	\$ 71,895.76
SL 335* Upper Tyrone Fayette County	Mine Fire Control (8/76-10-76)	Dragan and Son C.O. #1 C.O. #2	40,020.00 12,225.00 6,869.46	59,114.46
SL 337-101.5 Reynow Park Jefferson County	Exploratory Drilling (10/77-11/77)	Pennsylvania Drilling Co. C.O. #1	3,525.00 567.00	4,092.00
SL 339-101.1 Penn Hills Township Allegheny County	Catherine Paluselli Mine Fire (3/78-4/78)	Commonwealth Stone, Inc. C.O. #1	18,120.00 5,617.50	23,737.50
SL 341-101.1 Village of Gibson Washington County	Extinguishment of Underground Mine Fire (12/78)	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	7,880.00 1,674.00	6,206.00
SL 342-1-101.5 Peters Creek Area Jefferson Borough Allegheny County	Exploratory Drilling	Weaver Coal & Construction Co., Inc.		Project completed by OSM No. K5201377 for a cost of \$71,443.00
SL 342-2-101.5 Large Area Jefferson Borough Allegheny County	Exploratory Drilling	Pennsylvania Drilling Co. C.O. #1 (Credit)	7,771.25 2,950.25	4,821.00
SL 342-2-102.5 Jefferson Borough Allegheny County	Exploratory Drilling	L. Robert Kimball & Associates C.O. #1	7,830.00 9,259.10	17,089.10
SL 343-101.1 Boyce Park Allegheny County	Equipment Rental	Weaver Coal & Construction Co., Inc. C.O. #1	\$ 26,170.00 2,005.00	\$ 28,175.00
SL 343-101.5 Boyce Park Allegheny County	Subsurface Investigation	Pittsburgh Drilling Co. C.O. #1 (Credit)	4,815.00 1,072.50	3,742.50
SL 343-102.1 Boyce Park Plum Borough Allegheny County	Restore area disturbed by extinguishing underground fire	Weaver Coal & Construction Co., Inc.	2,625.00	2,625.00
SL 344-101.5 Derry Township Westmoreland County	Subsurface Investigation of a Bank Fire	Alex E. Paris Contracting, Inc.	10,300.00 1,685.85	8,614.15
SL 345-101.1 South Union Township Fayette County	Surface Mine Fire	Solomon & Teslovich C.O. #1 (Final)	64,200.00 4,631.00	68,831.00
SL 345-101.5 South Union Township Fayette County	Exploratory Drilling	Pittsburgh Drilling Co. C.O. #1 (Credit)	5,125.00 90.75	5,034.25
SL 346-101.1 Hanover Township Luzerne County	Surface Fire Abandoned Bliss Colliery	Wayne W. Knorr, Inc. C.O. #1 (Credit)	2,300.00 935.00	1,365.00
SL 350-101.5 Georges and German Township Fayette County	Mine Fire Exploratory Drilling	Earthmovers Unlimited, Inc. C.O. #1 (Credit)	7,483.00 2,072.70	5,410.30
SL 351-201.1 Vicinity of Centralia Columbia County	Subsidence Control Project	Nicholson Construction Co. C.O. #1 C.O. #2 C.O. #3 (Credit)	333,325.00 104,000.00 76,300.00 15,036.94	498,588.06
<b>MINE SUBSIDENCE</b>				
ASP 8* City of Carbondale Lackawanna County	Hydraulic Flushing of Mine Voids Powderly Colliery	C & S Excavating Co. C.O. #1 (Credit) C.O. #3 (Credit)	1,457,985.00 2.00 23,707.78	1,434,275.22
ASP 11* City of Scranton Southside Section Lackawanna County	Hydraulic Flushing of Mine Voids Abandoned Pine Brook Mine	Stearns Service Co., Inc. C.O. #1 (Credit) C.O. #3 C.O. #4 (Credit)	2,356,473.90 1,160.00 239,858.53 85,570.10	2,509,602.33

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
ASP 12* City of Scranton Hill Section Lackawanna County	Filling Voids in Abandoned Pine Brook Mine (12/73-4/78)	No. 1 Contracting Co. C.O. #2 (Credit) C.O. #3 (Credit) C.O. #4 (Credit)	\$ 5,991,797.27 232,902.73 900.00 64,372.03	\$ 5,693,622.51
ASP 12-2*, ** City of Scranton Hill Section Lackawanna County	Hydraulic Flushing of Voids Abandoned Pine Brook Mine Phase II	Empire Contracting Co. C.O. #1 (Credit) C.O. #2 C.O. #3 C.O. #5 (Credit) C.O. #6 C.O. #7 C.O. #8 Final (Credit)	4,597,394.06 6,125.00 725,000.00 12,925.00 19.00 572.87 4,856.30 931,287.53	4,403,316.70
ASP 21* Birdville Elementary School Harrison Township Allegheny County	Subsidence Control	Alex Paris Contracting Co. C.O. #1 C.O. #2 C.O. #3 (Credit) C.O. #4	265,117.50 313,500.00 67,280.50 19,103.25 9,022.37	635,817.12
ASP 23 Miners Mills Section Wilkes-Barre Luzerne County	Subsidence Control	Empire Contracting Co. C.O. #2 (Credit)	636,968.40 106,457.40	530,511.00
SL 400 Statewide	Aerial Photography (7/69-2/70)	L. Robert Kimball	3,125.00	3,125.00
SL 401 Ashley Borough Luzerne County	Introduction of Fly Ash to provide surface stabilization on certain areas of Ashley Borough (7/68-3/70)	Stearns Service Co. Codicil Amendment (Credit)	290,445.00 148,960.00 279.05	439,125.95
SL 402 N. Fayette Township Allegheny County	Glen-Gormley Plat (8/68-2/69)	Dayton Flyash Co., Inc. Amendment #1 (Credit) Amendment #2	35,000.00 9,059.31 2,685.47	28,626.16
SL 403 Scranton Lackawanna County	Filling Voids in the Abandoned Tripp Slope Mine, Diamond Colliery (12/68-4/69)	Empire Contracting Co. Amendment (Credit)	29,887.50 7.80	29,879.70
SL 403-A Scranton Lackawanna County	Filling mine voids in Diamond Vein, Abandoned Tripp Slope Mine of the Diamond Colliery (4/69-7/69)	Empire Contracting Co. Amendment (Credit)	88,867.00 40.82	88,826.18
SL 404 W. Mifflin Borough Allegheny County	Exploratory Work (9/68-10/68)	Pennsylvania Drilling Co. Amendment (Credit)	3,540.00 1,378.70	2,161.30
SL 404-1 W. Mifflin Borough Allegheny County	Pneumatically introducing fly ash from the surface through boreholes as a result of surface movement and subsidence (2/69-3/69)	Pennsylvania Drilling Co. Amendment #1 (Credit) Amendment #2	43,680.00 26,609.54 5,286.68	22,357.34
SL 404-2 W. Mifflin Borough Allegheny County	Livingston Road Subsidence (3/71-7/71)	Allied Asphalt Co., Inc. C.O. #1	16,890.00 10,875.00	27,765.00
SL 404-3 W. Mifflin Borough Allegheny County	Subsidence (2/72-3/72)	Allied Asphalt Co., Inc. Credit	5,795.00 2,405.87	3,389.13
SL 405 Hollywood-Tyler Clearfield County	Surface Subsidence (3/70-8/70)	Allied Asphalt Co., Inc. C.O. #1 C.O. #2	53,450.00 5,120.88 8,600.00	67,170.88
SL 406 Fairhope Fayette County	Jacobs Drive Engineering Survey	Englehardt Power & Assoc. Credit	1,125.00 197.50	927.50
SL 407 Huntingdon Township Westmoreland County	Ormsby Drive (8/69-10/69)	Pennsylvania Drilling Co. Credit	97,790.00 86,893.65	10,896.35
SL 408 Natrona Heights Harrison Township Allegheny County	Subsurface Subsidence Project (7/69-10/69)	Pennsylvania Drilling Co. C.O. #1 Credit	34,464.00 12,112.80 7,591.28	38,985.52
SL 408-1 Natrona Heights Harrison Township Allegheny County	Subsurface Subsidence (9/69-10/69)	Pennsylvania Drilling Co. Amendment (Credit)	56,820.00 27,221.56	29,598.44

\* Partial Federal Funding

\*\*C.O. #6 and C.O. #7, State Funds only



<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 408-2 Harrison Township Allegheny County	Princeton Avenue Exploratory Drilling (3/71-8/71)	Pennsylvania Drilling Co. Amendment Credit	\$ 134,420.00 4,000.00 97,795.57	\$ 40,624.43
SL 408-3 Harrison Township Allegheny County	Surface Subsidence 10th Avenue Section (5/72-10/72)	Pennsylvania Drilling Co. C.O. #1 (Credit)	143,190.00 70,638.27	72,551.73
SL 409 City of Johnstown Cambria County	Subsurface Subsidence (11/69-9/70)	M. F. Fetterolf Coal Co. Addendum	198,990.00 211,480.00	410,470.00
SL 409-1 City of Johnstown Cambria County	Concrete grouting of an area near Ash Street to prevent future blow- out of mine water and to prevent subsidence damage (8/70-9/70)	Williamson Shaft and Slope Co. Credit	10,000.00 2,093.37	7,906.63
SL 410 Archbald Glacial Pothole Lackawanna County	Reconditioning (9/69-10/69)	Sprague & Henwood	15,518.50	15,518.50
SL 411 City of Scranton Lackawanna County	Jackson Street Subsidence Drilling of exploratory boreholes into abandoned mine openings. (4/70-5/70)	C & S Excavating Co. Credit	60,940.00 56,947.00	3,993.00
SL 413 South Park Township Broughton Allegheny County	Surface Subsidence - Exploratory Drilling. (2/71-4/71)	Pennsylvania Drilling Co. Credit	6,785.00 911.00	5,874.00
SL 413-1 South Park Township Allegheny County	Fly Ash Injection Pittsburgh Coal Seam (2/72-5/72)	Dragan and Son C.O. #1 (Credit)	85,300.00 43,723.66	41,576.34
SL 413-2 South Park Township Allegheny County	Fly Ash Injection Pittsburgh Coal Seam (3/72-5/72)	Dragan and Son C.O. #1 (Credit)	10,800.00 2,287.18	8,512.82
SL 414 Scranton Lackawanna County	Drilling and casing Exploratory Boreholes from the surface to the underground mine workings in No. 1 No. 2 Dunmore Veins in the Whittier School Area. (1/71-6/71)	Pennsylvania Drilling Co. Codicil Credit	98,973.44 1,500.00 443.50	100,029.94
SL 415 Wilkes-Barre Luzerne County	Parsons Flushing Project (6/71-4/72)	Empire Contracting Co. C.O. #1 C.O. #2	177,964.50 30,000.00 4,939.76	212,904.26
SL 415-1* Wilkes-Barre Luzerne County	Emergency Flushing Parsons Section (7/72-3/73)	Empire Contracting Co. C.O. #1 C.O. #2 C.O. #3 (Credit)	82,385.00 66,995.00 30,000.00 52.66	179,327.34
SL 416 Beaverdale Borough Cambria County	Subsurface Subsidence (4/72-7/72)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	44,900.00 1,970.96	42,929.04
SL 417** Daugherty Township Beaver County	Exploratory Drilling of Boreholes (3/71-4/71)	Pennsylvania Drilling Co. Allied Asphalt Company	9,394.45	9,394.45
SL 417-1** Daugherty Township Beaver County	Subsidence (6/71-10/71)	Allied Asphalt Co., Inc.	467,850.00	467,850.00
SL 418 Barnesboro Cambria County	Subsurface Mine Fire (1/72-4/72)	Pennsylvania Drilling Co. C.O. #1 (Credit)	12,000.00 5,553.36	6,446.64
SL 419 City of Scranton Lackawanna County	Subsidence - Exploratory Boreholes, Minooka Section, Phase I (11/71-4/72)	Empire Contracting Co. C.O. #1 Credit	5,633.80 2,884.20 389.80	8,128.20
SL 421 Belle Vernon Westmoreland County	Subsidence (4/72-6/72)	Dragan and Son C.O. #1 (Credit)	27,150.00 115.22	27,034.78

\* Paid from Flood Emergency Fund (01-87)

\*\* Paid out of Special Appropriation - Land Subsidence - Beaver County

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 421-1 Belle Vernon Westmoreland County	Subsidence - Fayette Street (5/72-6/72)	Dragan and Son C.O. #1 (Credit)	\$ 7,600.00 26.79	\$ 7,573.21
SL 422 Pittsburgh Allegheny County	Subsidence - Brookline Ernest Reinhold Property (9/71-7/72)	Pennsylvania Drilling Co. Credit	119,610.00 49,177.02	70,432.98
SL 422-1 Pittsburgh Allegheny County	Subsidence (1/73-5/73)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	57,240.00 19,264.35	37,975.65
SL 423 Borough of Pleasant Hills Allegheny County	Cavan Drive Area Mine Subsidence (9/71-11/71)	Pennsylvania Drilling Co. Amendment (Credit)	22,468.00 547.10	21,920.90
SL 423-1A Tara Drive Pleasant Hills Allegheny County	Fly Ash Injection Pittsburgh Coal Seam (9/73-11/73)	Pennsylvania Drilling Co. C.O. #1 (Credit)	28,400.00 3,129.34	25,270.66
SL 423-2-101.5 Pleasant Hills Allegheny County	Exploratory Drilling	Lambert Drilling Co. C.O. #1 (Credit)	18,463.00 2,680.00	15,783.00
SL 425 Courtdale Borough Luzerne County	Hazardous Caveholes Completed April 9, 1973	Department of Environmental Resources		
SL 426 Pittsburgh Allegheny County	Subsurface Subsidence Glenarm Avenue 19th Ward (3/72-6/72)	Allied Asphalt Co., Inc. C.O. #1 (Credit)	29,860.00 8,541.35	21,318.65
SL 427 City of Scranton Lackawanna County	Part of Appalachia Project		Completed with Federal Funds	
SL 428 N. Huntingdon Twp. Westmoreland County	Subsidence (6/72-9/72)	M. F. Fetterolf Coal Co. C.O. #1 (Credit)	34,850.00 8,815.98	26,034.02
SL 428-102.5 Lincoln Way N. Huntingdon Township Westmoreland County	Core Boring Subsurface Investigation (5/78)	Pennsylvania Drilling Co. C.O. #1	3,446.00 778.00	4,224.00
SL 429 California Washington County	Subsidence (4/73-5/73)	Dragan and Son C.O. #1 (Credit)	24,280.00 1,507.83	22,772.17
SL 430 Newport Township Luzerne County	Exploratory Boreholes (6/72-8/72)	Kaminski Brothers Credit	9,880.00 201.88	9,678.12
SL 431 Penn Hills Township Allegheny County	Mine Subsidence (9/72-11/72)	Dragan and Son C.O. #1 (Credit)	27,782.50 939.62	26,842.88
SL 432 New Eagle Borough Washington County	Mine Subsidence (12/72-1/73)	Allied Asphalt Co., Inc. Amendment (Credit)	19,790.00 45.48	19,744.52
SL 433 City of Pittsburgh Allegheny County	Mine Subsidence (7/73-9/73)	Pennsylvania Drilling Co. C.O. #1 (Credit)	9,750.00 2,942.00	6,808.00
SL 434 Borough of New Kensington Westmoreland County	Subsidence Project (7/73-9/73)	Dragan and Son C.O. #1 (Credit)	24,940.00 7,968.54	16,971.46
SL 434-102.5 City of New Kensington Westmoreland County	Exploratory Drilling	Universal Technical, Inc. C.O. #1	10,123.00 95.90	10,218.90
SL 435 Gosser Hill Westmoreland County	Fly Ash Injection (1/73-4/73)	Allied Asphalt Co., Inc. C.O. #1	9,470.00 1,036.12	10,506.12
SL 436 Matera Street City of Pittsburgh Allegheny County	Mine Subsidence (6/73-7/73)	Dragan and Son C.O. #1 (Credit)	21,500.00 10,527.47	10,972.73

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 437 California Borough Washington County	Mine Subsidence (5/73-12/73)	Dragan and Son C.O. #1 (Credit)	\$ 99,949.00 20,518.68	\$ 79,430.32
SL 437-1A California Borough Washington County	Fly Ash Injection (8/73-10/73)	Dragan and Son C.O. #1 (Credit)	142,500.00 22,145.30	120,354.70
SL 438* Manooka Section Scranton Lackawanna County	Pilot-Demonstration Project Filling Mine Voids Blind Flushing Upper 17 acres (1/73-1/75)	Stearns Service Co. C.O. #1 C.O. #3 (Credit)	1,066,333.84 2,350.00 11,691.46	1,056,992.38
SL 439 Fairhope Payette County	Fly Ash Injection (11/73-1/74)	Pennsylvania Drilling Co. C.O. #1 (Credit)	18,875.00 1,110.28	17,764.72
SL 440-1 Courtdale Borough Luzerne County	Exploratory Boreholes (1/74-3/74)	Empire Contracting Co. C.O. #2 (Credit)	6,845.01 636.83	6,208.18
SL 441 Banksville and Potomac Road 11th Ward Pittsburgh Allegheny County	Mine Subsidence Control (10/74-3/75)	Alex E. Paris Contracting Co., Inc. C.O. #1 C.O. #3 (Credit)	52,976.00 13,491.00 16,469.82	49,997.18
SL 442-A Borough of Exeter Luzerne County	Exploratory Drilling (7/74-8/75)	Empire Contracting Co. C.O. #2	7,242.85 1,224.30	8,467.15
SL 443 State Traffic Route 164 Portage Township Cambria County	Mine Subsidence Control (7/74-8/74)	Dragan and Son C.O. #1 (Credit)	12,300.00 543.40	11,756.60
SL 444 Vicinity Marymount School and Church Wilkes-Barre Luzerne County	Drilling Exploratory Boreholes (12/74-1/75)	Empire Contracting Co. C.O. #1 (Credit)	9,511.25 445.50	9,065.75
SL 445 Borough of Carnegie Allegheny County	Construction - Mine Subsidence Project (1/75-3/75)	Alex E. Paris Contracting Co. C.O. #1 C.O. #3 (Credit)	55,060.00 6,400.00 6,054.88	55,405.12
SL 447 Borough of Dunmore Lackawanna County	Drilling Exploratory Boreholes, Abandoned Underwood Collieries, College Street Area (5/75-6/75)	Giles Drilling Co. C.O. #1	6,507.00 750.45	7,257.45
SL 448 Moosic Borough Lackawanna County	Drilling Exploratory Boreholes (6/75-7/75)	Raymond International, Inc. C.O. #1	9,691.90 1,509.65	11,201.55
SL 450-1 Borough of Port Vue Allegheny County	Exploratory Drilling (7/75-8/75)	Lambert Drilling Co. C.O. #1 (Credit)	4,416.00 99.50	4,316.50
SL 450-2 Borough of Port Vue Allegheny County	Earth Movement Study (9/77-10/77)	GAL Consultants, Inc. Credit	11,127.38 2,856.05	8,271.33
SL 450-2-101.5 Borough of Port Vue Allegheny County	Exploratory Drilling (8/77-9/77)	Pennsylvania Drilling Co. C.O. #1	7,535.00 406.70	7,941.70
SL 450-3-101.1 Borough of Port Vue Allegheny County	Mine Subsidence Control (9/78-12/78)	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	62,290.00 4,045.22	58,244.78
SL 450-3-102.5 Borough of Port Vue Allegheny County	Core Boring (1/79-4/79)	Universal Technical, Inc. C.O. #1 (Credit)	6,043.25 953.45	5,089.80
SL 450-3-103.5 Borough of Port Vue Allegheny County	Subsurface Investigation	Department of Environmental Resources	-0-	-0-
SL 451 Pittston Township Luzerne County	Core Boring Subsurface Investigation	Giles Drilling Corporation C.O. #1 (Credit)	5,186.25 554.46	4,631.79

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 452 Bellemore Elementary School Washington Twp. Fayette County	Exploratory Drilling (3/76-4/76)	Pennsylvania Drilling Co. C.O. #1	\$ 8,900.00 1,457.50	\$ 10,357.50
SL 452-101.1 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Mine Subsidence Control	Continental Drilling Co. C.O. #1 C.O. #3 (Credit) C.O. #4	585,130.50 380,000.00 29,312.50 427,604.73	1,363,422.73
SL 452-102.2 Bellemar Jr. High School and Marian Elementary School Washington Township Fayette County	Design of Grouting Program	Branthoover and Richards Amendment Amendment Amendment Amendment Amendment	44,749.00 15,352.89 47,957.75 13,692.75 8,350.00 3,625.17	133,727.56
SL 453 Borough of Brentwood Allegheny County	Exploratory Drilling (9/74-10/74)	Pennsylvania Drilling Co. C.O. #1	5,730.00 1,177.50	6,907.50
SL 453-1A Borough of Brentwood Allegheny County	Flushing of Mine Voids (5/77-6/77)	Dragan and Son C.O. #1 (Credit)	76,600.00 7,389.44	69,210.56
SL 454 Bairdford School West Deer Township Allegheny County	Exploratory Drilling (10/76-11/76)	Pennsylvania Drilling Co. C.O. #1	5,302.50 274.00	5,576.50
SL 455 Natrona Heights Birdville School Allegheny County	Exploratory Drilling (10/76-12/76)	Lambert Drilling Co. C.O. #1	13,910.00 92.30	14,002.30
SL 455-101.2 Natrona heights Allegheny County	Subsidence Prediction	International Exploration, Inc.	92,846.00	91,973.54
SL 455-102.5 Natrona Heights Birdville School Allegheny County	Exploratory Drilling	Alex E. Paris Contracting Co. C.O. #1 (Final) (Credit)	30,545.00 1,424.25	29,120.75
SL 456-1 Baldwin Township Allegheny County	Exploratory Drilling (9/76-10/76)	Pennsylvania Drilling Co. C.O. #1 (Credit)	2,980.00 120.25	2,859.75
SL 456-2 Baldwin Township Allegheny County	Mine Subsidence Control (10/77-4/78)	Pennsylvania Drilling Co. C.O. #1 C.O. #3 (Credit)	47,885.00 18,220.00 6,465.50	59,639.50
SL 456-4-101.1 Perry Drive Baldwin Township Allegheny County	Mine Subsidence Control	Alex E. Paris Construction C.O. #2 (Credit)	36,958.00 6,079.56	30,878.44
SL 457 Freedom School Freedom Borough Beaver County	Rotary and Core Boring	Pennsylvania Drilling Co. C.O. #1 (Final)	21,173.00 4,279.25	25,452.25
SL 457BFMA New Sewickley Township Beaver County	Replacement of Residential Water Service	Beaver Falls Municipal Authority Credit	45,850.00 7,709.04	38,140.96
SL 457-1-101.2 Freedom School Freedom Borough Beaver County	Subsidence Control	Ackenheil & Associates Geo Systems, Inc. Amendment Credit	282,768.00 69,000.00 216,134.67	135,633.33
SL 457-1-101.5 Freedom School Freedom Borough Beaver County	Exploratory Drilling	Alex E. Paris Contracting Co. C.O. #1 C.O. #2 C.O. #3 C.O. #4	54,897.50 6,695.00 11,139.50 11,745.93 1,845.14	86,323.07
SL 458 Pottsville High School Schuylkill County	Core Boring Subsurface Investigation (9/76-10/76)	Baddick & Laskowski, Inc. C.O. #1 (Credit)	5,945.70 1,044.80	4,900.90
SL 459 Borough of Dunmore Lackawanna County	Core Drilling Sections 1 & 2	Smeltzer and Faherty Drilling Co. C.O. #1 (Credit)	6,417.00 1,657.50	4,759.50

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 460 Crescent Garden Road Penn Hills Allegheny County	Mine Subsidence Control (8/77)	Dragan and Son C.O. #1 (Credit)	\$ 22,262.00 1,077.94	\$ 21,184.06
SL 461-1 Ruth Drive Monroeville Allegheny County	Exploratory Drilling (8/77)	Pennsylvania Drilling Co. C.O. #1 (Credit)	1,881.00 222.00	1,659.00
SL 461-1-101.1 Ruth Drive Monroeville Allegheny County	Subsidence Control (11/78-1/79)	Pennsylvania Drilling Co. C.O. #1	34,086.50 3,868.45	37,954.95
SL 461-1-101.5 Ruth Drive Monroeville Allegheny County	Core Boring (12/78-1/79)	D'Appolonia Drilling, Inc. C.O. #1 (Credit)	7,799.11 100.48	7,698.63
SL 461-2-101.1 Steppe Drive Monroeville Allegheny County	Subsidence Control (1/79-3/79)	Pennsylvania Drilling Co. C.O. #1	36,568.50 10,336.58	46,905.08
SL 461-2-101.5 Steppe Drive Monroeville Allegheny County	Core Boring (1/79-2/79)	Pennsylvania Drilling Co. C.O. #1	9,884.00 486.40	10,370.40
SL 462 Pennhurst Drive Elizabeth Township Allegheny County	Mine Subsidence Control (9/77-4/78)	Pennsylvania Drilling Co. C.O. #2 (Credit)	83,461.00 3,880.52	79,580.48
SL 463-101.1* Blakely Borough Lackawanna County	Filling Mine Voids Abandoned Temple Coal Co.	Empire Contracting Co. C.O. #3 Credit	3,674,253.50 2,600.00 110,904.85	3,565,948.65
SL 463-102.5 Blakely Borough Lackawanna County	Exploratory Drilling Phase II (Hospital Area)	Stearns Service Co., Inc. C.O. #1 (Credit)	48,760.18 1,249.82	47,510.36
SL 463-201.5 Blakely Borough Lackawanna County	Core Boring Subsurface Investigation (7/77-9/77)	Sprague and Henwood, Inc. C.O. #1 (Credit)	21,190.00 2,162.00	19,028.00
SL 464-101.5 North Belle Vernon Westmoreland County	Exploratory Drilling (11/77-12/77)	Geo-Mechanics, Inc. C.O. #1	8,584.50 538.25	9,122.75
SL 465-101.5 Avoca Borough Luzerne County	Subsurface Investigation (8/78)	Giles Drilling Co. C.O. #1	3,415.40 620.95	4,036.35
SL 467-101.1 Mt. Pleasant Township Westmoreland County	Backfilling of Sinkhole (9/77-1/79)	Soil Services C.O. #1 (Credit)	1,840.00 1,140.00	700.00
SL 468-101.1 City of Carbondale Lackawanna County	Flushing Mine Voids	Empire Contracting Co. C.O. #1 C.O. #3 (Credit)	1,685,700.00 343,000.00 68,168.62	1,960,531.38
SL 469-101.1 Village of West Middlesex Mercer County	Backfill Sinkhole (6/78)	Hawley & White Const. Co.	2,900.00	2,900.00
SL 470-101.5 City of Pittstown Luzerne County	Exploratory Drilling	Empire Contracting Co. C.O. #1 (Credit)	195,890.00 4,215.00	191,675.00
SL 471-101.1 Borough of Lincoln Allegheny County	Subsidence Control (9/78-10/78)	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	22,180.00 5,141.88	17,038.12
SL 472-101.1 Borough of Leechburg Armstrong County	Mine Subsidence control	Pennsylvania Drilling Co. C.O. #1	85,085.00 15,753.50	100,838.50
SL 472-101.5 Borough of Leechburg Armstrong County	Exploratory Drilling	Universal Technical, Inc. C.O. #1 Final (Credit)	7,273.00 518.12	6,754.88

\*Partial Federal Funding

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 473-101.5 Connellsville Fayette County	Exploratory Drilling	Universal Technical, Inc. C.O. #1 Final (Credit)	\$ 11,030.00 2,277.20	\$ 8,752.80
SL 474-101.1 McDonald Borough Allegheny and Washington Counties	Mine Subsidence Control	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	12,980.00 3,700.00	9,280.00
SL 474-101.5 McDonald Allegheny County	Exploratory Drilling	Earl M. Hoffman T/A Pittsburgh Drilling Co. C.O. #1 (Credit)	7,950.00 2,038.30	5,911.70
SL 474-102.5 McDonald Borough Allegheny County	Exploratory Drilling	L. Robert Kimball & Associates, Inc. C.O. #1 (Credit)	3,613.25 794.97	2,818.28
SL 476-101.1 Wilkes-Barre Township Luzerne County	Subsidence Control	No. 1 Contracting Corp. C.O. #1 (Credit) C.O. #2 C.O. #4 C.O. #6 (Credit)	1,758,850.00 52,500.00 276,000.00 241,500.00 4,580.00	2,219,270.00
SL 477-101.5 Borough of Taylor Lackawanna County	Exploratory Drilling	Empire Contracting Co. C.O. #1 (Credit)	10,680.50 803.50	9,877.00
SL 478-1-101.5 City of Arnold Westmoreland County	Exploratory Drilling	Lambert Drilling Co. C.O. #1 Final	35,964.80 819.90	36,784.70
SL 479-101.1 Bowman Street City of Wilkes-Barre Luzerne County	Subsidence Control	V.F. & B. Investments C.O. #1 (Credit)	70,825.00 18,945.72	51,879.28
SL 479-101.5 Bowman Street City of Wilkes-Barre Luzerne County	Exploratory Drilling	Giles Drilling Corp. C.O. #1 (Credit)	7,116.00 88.20	7,027.80
SL 479-102.5 Bowman Street Wilkes-Barre Luzerne County	Core Boring Subsurface Investigation	Universal Technical, Inc. C.O. #1 (Credit)	10,697.75 965.87	9,731.88
SL 481-101.1 Churchill Borough Allegheny County	Subsidence Control	Alex E. Paris Contracting Co., Inc. C.O. #1 (Credit)	29,886.50 28,787.50	1,099.00
SL 481-1-201.5 Borough of Churchill Allegheny County	Core Boring	Pittsburgh Drilling Co. C.O. #1 (Final) (Credit)	2,185.00 90.00	2,095.00
SL 482-1-101.5 Borough of Apollo Armstrong County	Subsurface Investigation	Pittsburgh Drilling Co. C.O. #1 (Final)	3,455.00 597.75	4,052.75
SL 482-2-101.5 Borough of Apollo Armstrong County	Core Boring Subsurface Investigation	D'Appolonia Drilling, Inc. C.O. #1 (Final) (Credit)	1,682.50 225.50	1,457.00
SL 483-101.5 Drifton Estates Hazel Township Luzerne County	Exploratory Boreholes (3/79-4/79)	Beltrami Enterprises, Inc. C.O. #1	13,832.10 2,827.10	16,659.20
SL 484-101.5 Borough of Duryea Luzerne County	Subsurface Investigation	Empire Contracting Co. C.O. #1 (Credit)	98,249.00 1,914.00	96,335.00
SL 486-101.5 Bellevue Section Scranton Lackawanna County	Exploratory Drilling	Giles Drilling Corp. C.O. #1 (Credit)	15,263.50 445.35	14,818.15
SL 487-201.5 Chartiers Township Washington County	Subsurface Investigation	Pittsburgh Testing Laboratory C.O. #1 (Credit)	9,465.00 941.87	8,523.13
SL 488-201.5 Fayette City Borough Fayette County	Subsurface Investigation	Pittsburgh Testing Laboratory C.O. #1 (Credit)	3,170.00 73.00	3,097.00
SL 490-101.1 Unity Township Westmoreland County	Subsidence Control	John Grayson Company C.O. #1 (Final) (Credit)	29,294.20 9,770.92	19,523.28

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
SL 491-101.5 Wyoming Borough Luzerne County	Subsurface Investigation State Police Barricks	Continental Drilling Co. C.O. #1 (Final) (Credit)	\$ 13,935.00 1,349.00	\$ 12,586.00
SL 492-101.5 Village of Hudson Decatur Township Clearfield County	Subsurface Investigation	L. Robert Kimball C.O. #1 (Final) (Credit)	7,532.00 3,355.05	4,176.95
SL 492-302.5 Village of Hudson Clearfield County	Subsurface Investigation	L. Robert Kimball & Associates, Inc. C.O. #1 (Final) (Credit)	17,795.00 2,277.20	15,517.80
SL 493-101.1 Village of Dunbar Franklin Township Fayette County	Flushing on the Harry Frank, Jr., Property	Nicholson Construction Co. C.O. #1 (Final) (Credit)	42,837.00 4,818.83	38,018.17
SL 494-101.1 Matera Place City of Pittsburgh Allegheny County	Flushing Mine Voids	Alex E. Paris Contracting Co. C.O. #1	39,854.30 2,222.27	37,632.03
SL 495-101.5 Jane Clair Drive North Huntingdon Twp. Westmoreland County	Exploratory Drilling	Lambert Drilling Co. C.O. #1 (Credit)	4,986.50 682.25	4,304.25
SL 496-101.5 Twilight Borough Washington County	Post Construction Monitoring of Mine Subsidence Control Project	Pennsylvania Drilling Co. C.O. #1 (Credit)	5,700.00 888.30	4,811.70
SL 496-201.1 Twilight Borough Washington County	Mine Subsidence Control	Geo-Con, Inc. C.O. #1 (Credit)	71,805.00 28,781.43	43,023.57
SL 498-101.5 Edgebrook Section Pittsburgh Allegheny County	Exploratory Drilling	L. Robert Kimball & Assoc. C.O. #1 (Credit)	16,570.40 4,038.57	12,531.83
SL 499-101.5 Duquesne Allegheny County	Exploratory Drilling	L. Robert Kimball & Associates, Inc. C.O. #1 (Final) (Credit)	11,195.95 960.04	10,235.91
SL 4003-101.5 Old Forge Borough Lackawanna County	Mine Subsidence Control	Universal Technical, Inc. C.O. #1 (Credit)	18,473.00 1,311.63	17,161.37
SL 4004-101.5 Smithfield Borough Fayette County	Core Boring Subsurface Investigation	L. Robert Kimball & Assoc. C.O. #1 (Credit)	6,265.00 297.00	5,968.00
SL 4005-101.5 Mapletown Jr./Sr. High School Greene County	Core Boring Subsurface Investigation	D'Appolonia Drilling, Inc. C.O. #1 (Credit)	21,898.00 4,083.00	17,815.00
SL 4007-101.5 City of Johnstown Cambria County	Exploratory Drilling	Leroy G. Hetager C.O. #1 (Credit)	6,487.50 1,834.10	4,653.40
SL 4008-101.5 Sutersville Westmoreland County	Core Boring Subsurface Investigation	D'Appolonia Drilling, Inc. C.O. #1 (Credit)	7,737.50 517.37	7,220.13
SL 4009-101.5 City of Scranton Lackawanna County	Core Boring Subsurface Investigation	The Foundation Services Co. C.O. #1	5,894.00 101.40	5,995.40
SL 4010-101.5 Holy Name School Old Forge Luzerne County	Core Boring Subsurface Investigation	Sprague & Henwood, Inc. C.O. #1	16,493.20 2,511.59	19,004.79
SL 4011-101.5 Fallbrook Street and Sago Avenue Carbondale Lackawanna County	Core Boring Subsurface Investigation	The Foundation Services Co. C.O. #1 (Credit)	13,858.00 54.69	13,803.31
OSM 4(510-83) 101.1 Freedom Junior-Senior High School-Freedom Borough and New Sewickley Township Beaver County	Mine Subsidence Control	John Grayson Company C.O. #1 (Credit) C.O. #2 (Credit)	1,493,804.00 243.25 270,788.91	1,222,771.84

<u>Project Number and Location</u>	<u>Project Description</u>	<u>Engineer and/or Contractor</u>	<u>Contract Amount</u>	<u>Actual Cost</u>
OSM 17(037-78) 101.5* Borough of Clearfield Clearfield County	Subsurface Investigation	Universal Technical, Inc. C.O. #1	\$ 12,750.00 1,022.88	\$ 13,772.80
OSM 26(038-78) 101.1* Village of Percy Fayette County	Subsurface Mine Fire	Continental Drilling, Inc. C.O. #1 C.O. #2 (Credit)	54,667.25 49,000.00 6,403.81	97,263.44
OSM 26(038-78) 101.5* Village of Percy N. Union Township Fayette County	Exploratory Drilling	Lambert Drilling Co. C.O. #1 (Credit)	4,725.00 288.50	4,436.50
OSM 35(017-78) 101.1* Dickson City Borough Lackawanna County	Strip Mine Reclamation	Wayne W. Knorr, Inc. C.O. #1 C.O. #2 C.O. #3	206,625.00 21,197.46 35,836.00 19,849.20	283,507.66
OSM 40(019-78) 301.1* City of Nanticoke Luzerne County	Backfilling the Abandoned Auchincloss Colliery No. 2 Shaft	E. A. Friederick Contracting C.O. #1 (Credit)	20,000.00 2,655.04	17,344.96
OSM 40(502-82) 101.5 Plymouth-West Luzerne County	Exploratory Drilling	Tully Drilling Company, Inc. C.O. #1 (Credit)	79,937.50 3,619.40	76,318.10
OSM 40(511-83) 101.1 City of Pittston and Borough of Hughestown Luzerne County	Subsidence Control	G. E. Ray Construction Co., Inc. C.O. #1	4,740,895.00 3,672.92	4,266,324.85
OSM 40(522-83)101.1 Wilkes-Barre Township Luzerne County	Gravity Flushing Project - Borehole No. 29 C.O. #2 (Credit)	John Popple Trucking C.O. #1 478,243.07	10,900** 3,042.00	13,942.00

\*100% Federal Monies



# SUMMARY OF COMPLETED PROJECTS<sup>1</sup>

	<u>Anthracite</u>	<u>Number of Project</u>	<u>Bituminous</u>	<u>Number of Projects</u>	<u>Total</u>
<b>STREAM POLLUTION ABATEMENT</b>	\$ 20,921,144.83	110	\$ 51,377,212.69	390	\$ 72,298,357.52
	--	-	1,185,216.21 <sup>2</sup>	4	1,185,216.21 <sup>2</sup>
	--	-	495,692.00 <sup>3</sup>	-	495,692.00 <sup>3</sup>
	--	-	57,062.25 <sup>4</sup>	3	57,062.25 <sup>4</sup>
	--	-	199,287.94 <sup>5</sup>	3	199,287.94 <sup>5</sup>
	<u>1,954,628.84<sup>6</sup></u>	<u>8</u>	<u>372,838.68<sup>6</sup></u>	<u>6</u>	<u>2,327,467.52<sup>6</sup></u>
<b>AIR POLLUTION</b>	14,657,528.55	19	181,156.96	8	14,838,685.51
	602,285.15 <sup>2</sup>	1	--	-	602,285.15 <sup>2</sup>
	750,000.00 <sup>3</sup>	-	--	-	750,000.00 <sup>3</sup>
<b>MINE FIRES</b>	20,265,646.32	11	1,747,300.37	46	22,012,946.69
	--	-	14,778.61 <sup>2</sup>	1	14,778.61 <sup>2</sup>
	--	-	44,335.85 <sup>3</sup>	-	44,335.85 <sup>3</sup>
	971,953.94 <sup>4</sup>	7	167,032.90 <sup>4</sup>	10	1,138,986.84 <sup>4</sup>
	<u>43,028.00<sup>6</sup></u>	<u>1</u>	--	-	<u>43,028.00<sup>6</sup></u>
<b>SUBSIDENCE</b>	5,681,506.39	35	4,428,080.10	103	10,109,586.49
	2,185,814.28 <sup>2</sup>	2	--	-	2,185,814.28 <sup>2</sup>
	5,795,833.46 <sup>3</sup>	-	1,211,837.60 <sup>3</sup>	-	7,007,671.06 <sup>3</sup>
	4,313,153.54 <sup>4</sup>	8	499,963.36 <sup>4</sup>	2	4,813,116.90 <sup>4</sup>
	<u>179,327.34<sup>6</sup></u>	<u>1</u>	<u>477,244.45<sup>6</sup></u>	<u>2</u>	<u>656,571.79<sup>6</sup></u>
<b>TOTAL FUNDS</b>	<u>\$ 78,321,850.64</u>	<u>203</u>	<u>\$ 62,459,039.97</u>	<u>578</u>	<u>\$ 140,780,890.61</u>

<b>Plus:</b>	<b>STATEWIDE STREAM POLLUTION ABATEMENT</b> .....	\$	1,069,951.09
	<b>AIR POLLUTION</b> .....		23,858.00
	<b>MINE FIRES</b> .....		3,125.00
	<b>SUBSIDENCE</b> .....		<u>3,125.00</u>
<b>GRAND TOTAL</b> .....		\$	<u>141,880,949.70</u>

<sup>1</sup> 100% State Funds  
<sup>2</sup> State Share of Federal Reimbursement Contracts - See Page Numbers 109-112 for Details  
<sup>3</sup> Federal Share of Federal Reimbursement Contracts  
<sup>4</sup> State Share of Federal Contracts  
<sup>5</sup> 100% Federal Reimbursement Contracts  
<sup>6</sup> Reimbursement from Other State Funds