

ALABAMA

COAL PRODUCTION: 25,074,772 tons.
 NUMBER OF MINES: 834 surface; 30 underground; 14 support facilities.
 REGULATORY AGENCY: Surface Mining Reclamation Commission.
 LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act.
 STATUS OF PROGRAM: Disapproved Oct. 16, 1980; enjoined Nov. 12, 1980,
 for 1 year.

\$726,436 grant for initial-program support.

SOAP: 125 eligible operators, 35 applied for assistance, 12 approved. 20
 laboratories approved.

\$33,172 grant for administration.
 \$2,500,000 grant for operations.

I&E: Most common violation involved hydrologic impact.

2,216 inspections.
 513 notices of violation.
 154 cessation orders.
 73 citizen complaints.

AML: \$14,956,587 reclamation fees. 10 projects, \$889,400
 obligated. 1/

\$574,230 for national inventory of abandoned mine land.
 \$176,300 for State reclamation plan.
 \$155,100 for annual work plan.

MINERAL INSTITUTE: University of Alabama, University.

\$110,000 grant for operations.
 \$200,063 grant for 2 research projects.

ALASKA

COAL PRODUCTION: 703,824 tons.
 NUMBER OF MINES: 1 surface.
 REGULATORY AGENCY: Department of Natural Resources.
 STATUS OF PROGRAM: Submission of program expected in 1981.

1/ Project data are for FY 1978-80.

\$100,000 grant for permanent-program development.

I&E: 0 inspections.

AML: \$698,373 reclamation fees. 0 projects.^{1/}

MINERAL INSTITUTE: University of Alaska, Fairbanks.

\$82,500 grant for operations.

\$53,541 grant for 1 research project.

ADDITIONAL INFORMATION: Section 708 of the Act requires an in-depth study of surface coal mining conditions in Alaska by the National Academy of Sciences-National Academy of Engineering to determine which, if any, of the provisions of the Act should be modified with regard to operations in Alaska. The final report was submitted to OSM in October 1980.

ARIZONA (See also HOPI INDIAN RESERVATION and NAVAJO INDIAN RESERVATION)

COAL PRODUCTION: None from non-Indian lands.

REGULATORY AGENCY: Arizona State Land Department.

MINERAL INSTITUTE: University of Arizona, Tucson.

\$82,500 grant for operations.

\$302,492 grant for 5 research projects.

ARKANSAS ✓

COAL PRODUCTION: 237,813 tons.

NUMBER OF MINES: 11 surface.

REGULATORY AGENCY: Department of Pollution Control and Ecology.

LAW RELATED TO PROGRAM: Surface Coal Mining and Reclamation Act, 1979.

STATUS OF PROGRAM: Conditionally approved Nov. 21, 1980. 81

\$198,971 grant for initial-program support.

SOAP: 3 eligible operators, 0 applied for assistance. 3 laboratories approved.

\$20,798 grant for administration.

\$49,525 grant for operations.

^{1/} Project data are for FY 1978-80.

I&E: Most common violation involved failure to abate previously cited violations.

210	inspections.
25	notices of violation.
17	cessation orders.
5	citizen complaints.

AML: \$281,177
obligated. 1/

reclamation fees; 7 projects, \$49,800

\$73,918
\$60,000

for national inventory of abandoned mine land.
for State reclamation plan.

CALIFORNIA

COAL PRODUCTION: None.

REGULATORY AGENCY: Department of Conservation.

SOAP: 6 laboratories approved.

MINERAL INSTITUTE: University of California, Berkeley.

\$82,500
\$280,122

grant for operations.
grant for 5 research projects.

COLORADO

COAL PRODUCTION: 18,271,990 tons.

NUMBER OF MINES: 34 surface; 32 underground.

REGULATORY AGENCY: Mined Land Reclamation Division of Department of Natural Resources, in conjunction with Mined Land Reclamation Board.

LAW RELATED TO PROGRAM: Surface Coal Mining and Reclamation Act of 1979.

STATUS OF PROGRAM: Conditionally approved Dec. 15, 1980. 81

\$366,447

grant for initial-program support.

SOAP: 16 eligible operators, 0 applied for assistance. 14 laboratories approved.

\$29,182

grant for administration.

1/ Project data are for FY 1978-80.

I&E: Most common violation involved sedimentation ponds.

159	inspections.
36	notices of violation.
3	cessation orders.
2	citizen complaints.

AML: \$11,986,985 reclamation fees. 17 projects, \$163,900
obligated. 1/

\$50,000	for national inventory of abandoned mine land.
\$688,674	for State reclamation plan.

MINERAL INSTITUTE: Colorado School of Mines, Golden.

\$82,500	grant for operations.
\$248,714	grant for 6 research projects.

CROW INDIAN RESERVATION (MONTANA)

COAL PRODUCTION: 3,398,715 tons.

NUMBER OF MINES: 1 surface.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977. Draft legislation, prepared in response to Section 710(a) of the Act and based studies by the Council of Energy Resources Tribes (CERT) and the Department's Office of the Solicitor, is expected to be submitted to Congress in 1981.

I&E:	2	inspections.
	0	notices of violation.
	0	cessation orders.
	0	citizen complaints.

AML: \$3,782,879 reclamation fees. 0 projects. 1/
50,000 for national inventory of abandoned mine land.

ADDITIONAL INFORMATION: The coal mining operation is located on the Crow Ceded Strip.

FLORIDA

SOAP: 15 laboratories approved.

1/ Project data are for FY 1978-80.

GEORGIA

COAL PRODUCTION: 21,896 tons.
 NUMBER OF MINES: 11 surface.
 REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement, (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977. A Federal program for Georgia will supersede any State laws and regulations that are less stringent than the Act and the program, and will incorporate any that are more stringent.

STATUS OF PROGRAM: Georgia has elected not to submit a permanent regulatory program.

SOAP: 2 eligible operators, 0 applied for assistance. 11 laboratories approved.

I&E: Most common violation involved failure to reclaim.

32	inspections.
16	notices of violation.
6	cessation orders.
1	citizen complaints.

AML: \$22,817 reclamation fees. 0 projects.^{1/}

MINERAL INSTITUTE: Georgia Institute of Technology, Atlanta.
 \$160,000 grant for scholarships/fellowships for 3-year period.
 \$110,000 grant for operations.
 \$67,798 grant for 1 research project.

HOPI INDIAN RESERVATION (ARIZONA)

COAL PRODUCTION: 1,371,467 tons.
 NUMBER OF MINES: 1 surface.
 REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977. Draft legislation, prepared in response to Section 710(a) of the Act and based on studies by the Council of Energy Resources Tribes (CERT) and the Department's Office of the Solicitor, is expected to be submitted to Congress in 1981.

^{1/} Project data are for FY 1978-80.

I&E: Most common violation involved topsoil handling.

2	inspections.
1	notices of violation.
0	cessation orders.
0	citizen complaints.

AML: \$1,224,108 reclamation fees. 0 projects.^{1/}

IDAHO

MINERAL INSTITUTE: University of Idaho, Moscow.

\$82,500	grant for operations.
\$49,656	grant for 1 research project.

ILLINOIS

COAL PRODUCTION: 62,582,266 tons.

NUMBER OF MINES: 144 surface; 40 underground; 113 support facilities.

REGULATORY AGENCY: Department of Mines and Minerals.

LAW RELATED TO PROGRAM: Public Act 81-1015, the Surface Coal Mining Land Conservation and Reclamation Act.

STATUS OF PROGRAM: Partially approved/partially disapproved Oct. 31, 1980; enjoined Dec. 11, 1980, for 1 year.

\$1,638,134 grant for initial-program support.

SOAP: 20 eligible operators, 10 applied for assistance, 8 approved. 23 laboratories approved.

\$312,000 grant for operations.

I&E: Most common violation involved failure to meet water-quality effluent standards.

919	inspections.
134	notices of violation.
7	cessation orders.
8	citizen complaints.

AML: \$36,714,686 reclamation fees. 34 projects, \$1,919,800 obligated.^{1/}

\$104,774	for national inventory of abandoned mine land.
\$130,000	for State reclamation plan.
\$951,754	for annual work plan.

^{1/} Project data are for FY 1978-80.

MINERAL INSTITUTE: Southern Illinois University, Carbondale.

\$82,500
\$608,707

grant for operations.
grant for 7 research projects.

INDIANA

COAL PRODUCTION: 29,793,775 tons.

NUMBER OF MINES: 329 surface; 4 underground; 41 support facilities.

REGULATORY AGENCY: Department of Natural Resources, Division of Reclamation.

LAW RELATED TO PROGRAM: Indiana Enrolled Act No. 98.

STATUS OF PROGRAM: Partially approved/partially disapproved Nov. 25, 1980; enjoined July 29, 1980 (after program submitted to OSM for review, and before decision of Secretary) for 1 year.

SOAP: 30 eligible operators, 2 applied for assistance, 2 approved. 17 laboratories approved.

I&E: Most common violation involved failure to meet water-quality effluent standards.

1,318	inspections.
211	notices of violation.
81	cessation orders.
34	citizen complaints.

AML: \$24,350,760 obligated.^{1/} reclamation fees. 9 projects, \$145,600

\$90,200 for national inventory of abandoned mine land.

MINERAL INSTITUTE: Purdue University, West Lafayette.

\$160,000
period.
\$110,000
\$207,285

grant for scholarships/fellowships for 3-year
grant for operations.
grant for 2 research projects.

IOWA

COAL PRODUCTION: 709,195 tons.

NUMBER OF MINES: 8 surface; 1 underground.

REGULATORY AGENCY: Department of Soil Conservation.

^{1/} Project data are for FY 1978-80.

LAW RELATED TO PROGRAM: An Act Relating to Mining and Providing Penalties, 1979.

STATUS OF PROGRAM: Partially approved/partially disapproved Oct. 16, 1980.

\$22,500 grant for permanent-program development.

SOAP: 6 eligible operators, 3 applied for assistance, 2 approved. 3 laboratories approved.

\$4,000 grant for administration.
\$63,040 grant for operations.

I&E: Most common violation involved sedimentation ponds.

61 inspections.
15 notices of violation.
2 cessation orders.
0 citizen complaints.

AML: \$454,492 reclamation fees. 4 projects, \$121,300
obligated.^{1/}

MINERAL INSTITUTE: Iowa State University, Ames.

\$160,000 grant for scholarships/fellowships for 3-year
period.

\$110,000 grant for operations.
\$50,948 grant for 1 research project.

KANSAS

COAL PRODUCTION: 875,754 tons.

NUMBER OF MINES: 11 surface.

REGULATORY AGENCY: State Corporation Commission, Mined Land Conservation and Reclamation Board.

LAW RELATED TO PROGRAM: Mined-Land Conservation and Reclamation Act of 1979.

STATUS OF PROGRAM: Partially approved/partially disapproved Sept. 4, 1980.

\$174,734 grant for initial-program support.
\$4,800 grant for permanent-program development.

SOAP: 2 eligible operators, 1 applied for assistance, 1 approved. 6 laboratories approved.

^{1/} Project data are for FY 1978-80.

I&E: Most common violation involved topsoil handling

175	inspections.
7	notices of violation.
0	cessation order.
1	citizen complaint.

AML: \$942,995
obligated.^{1/}

reclamation fees. 4 projects, \$1,165,000

\$85,620
\$28,800

for national inventory of abandoned mine land.
for State reclamation plan.

KENTUCKY

COAL PRODUCTION: 142,479,018 tons.

NUMBER OF MINES: 3,249 surface; 1,229 underground; 522 support facilities.

REGULATORY AGENCY: Department for Natural Resources and Environmental Protection.

LAW RELATED TO PROGRAM: KRS Chapters 224 and 350, revised September 7, 1978.

STATUS OF PROGRAM: Partially approved Oct. 22, 1980; enjoined Oct. 31, 1980, for 1 year.

\$3,884,191
\$240,000

grant for initial-program support.
grant for permanent-program development.

SOAP: 700 eligible operators, 139 applied for assistance, 112 approved. 41 laboratories approved.

\$7,700,000

grant for operations.

I&E: Most common violation involved hydrologic impact.

9,721	inspections.
2,559	notices of violation.
543	cessation orders.
352	citizen complaints.

AML: \$86,205,857
obligated.^{1/}

reclamation fees. 41 projects, \$11,939,400

\$1,249,888

for national inventory of abandoned mine land.

MINERAL INSTITUTE:

University of Kentucky, Lexington.

\$82,500
\$379,536

grant for operations.
grant for 6 research projects.

^{1/} Project data are for FY 1978-80.

LOUISIANA

COAL PRODUCTION: None.

REGULATORY AGENCY: Department of Natural Resources, Office of Conservation.

LAW RELATED TO PROGRAM: Louisiana Surface Mining and Reclamation Act, as amended.

STATUS OF PROGRAM: Approved October 10, 1980.

MINERAL INSTITUTE: Louisiana State University, Baton Rouge.

\$160,000 grant for scholarships/fellowships for 3-year period.

\$110,000 grant for operations.

\$72,510 grant for 1 research project.

MARYLAND

COAL PRODUCTION: 3,013,593 tons.

NUMBER OF MINES: 134 surface, 6 underground, 23 support facilities.

REGULATORY AGENCY: Department of Natural Resources, Energy Administration.

LAWS RELATED TO PROGRAM: Maryland Strip Mining Law, Maryland Environmental Standing Act, Maryland Ethics Law.

STATUS OF PROGRAM: Conditionally approved Dec. 1, 1980.

\$142,751 grant for initial-program support.

SOAP: 40 eligible operators, 9 applied for assistance, 9 approved. 5 laboratories approved.

\$35,000 grant for administration.

\$300,000 grant for operations.

I&E: Most common violation involved sedimentation ponds.

405 inspections.

53 notices of violation.

2 cessation orders.

2 citizen complaints.

AML: \$2,121,372 reclamation fees. 2 projects, \$1,164,700 obligated.^{1/}

^{1/} Project data are for FY 1978-80.

MASSACHUSETTS

COAL PRODUCTION: None.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (USM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977.

STATUS OF PROGRAM: A Federal coal-exploration program is being developed by USM.

MINERAL INSTITUTE: Massachusetts Institute of Technology, Cambridge.

\$82,500 grant for operations.
\$227,183 grant for 4 research projects.

MICHIGAN

COAL PRODUCTION: None.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977.

STATUS OF PROGRAM: A Federal coal-exploration program is being developed by OSM.

SOAP: 4 laboratories approved.

AML: \$75,930 for national inventory of abandoned mine land.

MINERAL INSTITUTE: Michigan Technological University, Houghton.

\$110,000 grant for operations.
\$270,123 grant for 4 research projects.

MINNESOTA

MINERAL INSTITUTE: University of Minnesota, Minneapolis.

\$82,500 grant for operations.
\$105,488 grant for research.

MISSISSIPPI

COAL PRODUCTION: None.

REGULATORY AGENCY: Department of Natural Resources.

LAW RELATED TO PROGRAM: Surface Coal Mining and Reclamation Act of 1979.

STATUS OF PROGRAM: Approved Sept. 4, 1980.

MINERAL INSTITUTE: University of Mississippi, University.

\$82,500 grant for operations.
\$104,789 grant for 1 research project.

MISSOURI

COAL PRODUCTION: 5,639,242 tons.

NUMBER OF MINES: 15 surface.

REGULATORY AGENCY: Department of Natural Resources.

LAW RELATED TO PROGRAM: Surface Coal Mining Act.

STATUS OF PROGRAM: Conditionally approved Nov. 21, 1980.

\$494,925 grant for initial-program support.

SOAP: 3 eligible operators, 3 applied for assistance, 3 approved. 7 laboratories approved.

I&E: Most common violation involved sedimentation ponds.

208 inspections.
16 notices of violation.
3 cessation orders.
8 citizen complaints.

AML: \$5,417,439 reclamation fees. 4 projects. \$4,218,000 obligated.^{1/}

\$198,123 for national inventory of abandoned mine land.

MINERAL INSTITUTE: University of Missouri, Rolla.

\$82,500 grant for operations.
\$169,734 grant for 4 research projects.

^{1/} Project data are for FY 1978-80.

MONTANA (See also CROW INDIAN RESERVATION)

COAL PRODUCTION: 28,717,317 tons.

NUMBER OF MINES: 11 surface; 1 underground.

REGULATORY AGENCY: Department of State Lands.

LAW RELATED TO PROGRAM: Strip and Mine Reclamation Act of 1973, as amended July 1, 1979.

STATUS OF PROGRAM: Conditionally approved April 1, 1980.

\$106,509 grant for initial-program support.
 \$682,383 grant for permanent program administration and enforcement.

SOAP: 8 eligible operators, 3 applied for assistance. 7 laboratories approved.

\$13,783 grant for administration.
 \$57,335 grant for operations.

I&E: Most common violation involved sedimentation ponds.

19 inspections.
 3 notices of violation.
 0 cessation orders.
 1 citizen complaints.

AML: \$23,588,779 reclamation fees. 7 projects, \$410,100 obligated.^{1/}

\$57,780 for national inventory of abandoned mine land.

MINERAL INSTITUTE: Montana College of Mineral Science and Technology, Butte.

\$82,500 grant for operations.
 \$244,046 grant for 4 research projects.

NAVAJO INDIAN RESERVATION (ARIZONA)

COAL PRODUCTION: 10,089,356 tons.

NUMBER OF MINES: 1 surface.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977. Draft legislation, prepared in response to Section 710(a) of the Act and based on studies by the Council of Energy Resources Tribes (CERT) and the Department's Office of the Solicitor, is expected to be submitted to Congress in 1981.

^{1/} Project data are for FY 1978-80.

I&E (Arizona and New Mexico operations combined): Most common violation involved topsoil handling.

9	inspections.
1	notices of violations.
0	cessation orders.
0	citizen complaints.

AML (Arizona and New Mexico operations combined):

\$7,899,354	reclamation fees. 0 projects. ^{1/}
\$17,000	for national inventory of abandoned mine land.

NAVAJO INDIAN RESERVATION (NEW MEXICO)

COAL PRODUCTION: 10,237,158 tons.
 NUMBER OF MINES: 4 surface.
 REGULATORY AGENCY: See Navajo, Arizona, operation.
 LAW RELATED TO PROGRAM: See Navajo, Arizona, operation.
 I&E: See Navajo, Arizona, operation.
 AML: See Navajo, Arizona, operation.

NEBRASKA

SOAP: 1 laboratory approved.

NEVADA

MINERAL INSTITUTE: University of Nevada, Reno.
 \$160,000 grant for scholarships/fellowships for 3-year
 period.
 \$110,000 grant for operations.
 \$48,515 grant for 2 research projects.

NEW JERSEY

SOAP: 2 laboratories approved.

^{1/} Project data are for FY 1978-80.

NEW MEXICO (See also NAVAJO INDIAN RESERVATION)

COAL PRODUCTION: 7,011,818 tons.

NUMBER OF MINES: 9 surface; 3 underground.

REGULATORY AGENCY: Mining and Minerals Division, Energy and Minerals Department.

LAW RELATED TO PROGRAM: Surface Mining Act of 1979.

STATUS OF PROGRAM: Conditionally approved Dec. 31, 1980.

\$303,681 grant for initial-program support.
\$ 99,235 grant for permanent-program development.

SOAP: 3 eligible operators, 1 applied for assistance, 1 approved. 2 laboratories approved.

I&E Most common violation involved topsoil handling.

36 inspections.
3 notices of violation.
1 cessation orders.
0 citizen complaints.

AML: \$4,916,324 reclamation fees. 13 projects, \$285,900
obligated.^{1/}

\$64,875 for national inventory of abandoned mine land.

MINERAL INSTITUTE: New Mexico Institute of Mining and Technology,
Socorro.

\$82,500 grant for operations.
\$223,763 grant for 5 research projects.

NORTH CAROLINA

SOAP: 2 laboratories approved.

NORTH DAKOTA

COAL PRODUCTION: 16,739,179 tons.

NUMBER OF MINES: 14 surface.

^{1/} Project data are for FY 1978-80.

REGULATORY AGENCY: Public Service Commission.
 LAW RELATED TO PROGRAM: Surface Mine Reclamation Act of 1969.
 STATUS OF PROGRAM: Conditionally approved Dec. 15, 1980.
 \$124,074 grant for initial-program support.
 \$172,518 grant for permanent-program development.

SOAP: 5 eligible operators, 0 applied for assistance.

I&E: Most common violation involved sedimentation ponds.

23	inspections.
3	notices of violation.
0	cessation orders.
0	citizen complaints.

AML: \$3,813,297 reclamation fees. 5 projects, \$871,800
 obligated.^{1/}
 \$128,123 for national inventory of abandoned mine land.
 \$250,801 for State reclamation plan.

MINERAL INSTITUTE: University of North Dakota, Grand Forks.
 \$160,000 grant for scholarships/fellowships for 3-year
 period.
 \$110,000 grant for operations.
 \$54,760 grant for 1 research project.

OHIO

COAL PRODUCTION: 41,715,835 tons.
 NUMBER OF MINES: 982 surface; 35 underground; 33 support
 facilities.
 REGULATORY AGENCY: Department of Natural Resources.
 LAW RELATED TO PROGRAM: Ohio Coal Mining Law, Chapter 1513, Ohio Revised
 Code.
 STATUS OF PROGRAM: Disapproved Oct. 1, 1980; enjoined Nov. 25, 1980, for
 1 year.

\$1,029,093 grant for initial-program support.

SOAP: 80 eligible operators, 54 applied for assistance, 54 approved.
 26 laboratories approved.

\$65,783 grant for administration.
 \$2,500,000 grant for operations.

^{1/} Project data are for FY 1978-80.

I&E: Most common violation involved failure to meet water-quality effluent standards.

3,356	inspections.
804	notices of violation.
147	cessation orders.
34	citizen complaints.
AML: \$31,304,140	reclamation fees, 39 projects, \$7,008,400
obligated. <u>1/</u>	
\$187,880	for national inventory of abandoned mine land.
MINERAL INSTITUTE:	Ohio State University, Columbus.
\$82,500	grant for operations.
\$146,605	grant for 3 research projects.

OKLAHOMA

COAL PRODUCTION:	5,385,206 tons.
NUMBER OF MINES:	55 surface; 1 underground.
REGULATORY AGENCY:	Department of Mines.
LAW(S) RELATED TO PROGRAM:	Coal Reclamation Act of 1979.
STATUS OF PROGRAM:	Partially approved/partially disapproved Oct. 10, 1980; enjoined Dec. 22, 1980, for 6 months.
\$379,478	grant for initial-program support.
SOAP: 20 eligible operators, 1 applied for assistance, 0 approved. 8 laboratories approved.	
I&E: Most common violation involved signs and markers.	
411	inspections.
70	notices of violation.
8	cessation orders.
27	citizen complaints.
AML: \$4,815,047	reclamation fees, 4 projects, \$140,000 obligated. <u>1/</u>
\$145,204	for national inventory of abandoned mine land.
MINERAL INSTITUTE:	University of Oklahoma, Norman.
\$82,500	grant for operations.
\$54,027	grant for 1 research project.

1/ Project data are for FY 1978-80.

OREGON

COAL PRODUCTION: None.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (OSM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977.

STATUS OF PROGRAM: Federal coal-exploration program being developed by OSM.

SOAP: 1 eligible operator, 0 applied for assistance; 1 laboratory approved.

I&E:

2	inspections.
0	notices of violation.
0	cessation orders.
0	citizen complaints.

PENNSYLVANIA

COAL PRODUCTION: 91,596,282 tons.

NUMBER OF MINES: Bituminous--3,019 surface, 6 underground, 23 support facilities; anthracite--321 surface, 92 underground, 80 support facilities.

REGULATORY AGENCY: Department of Environmental Resources.

LAWS RELATED TO PROGRAM: Coal Refuse Disposal Control Act, Surface Mining Conservation and Reclamation Act, Bituminous Mine Subsidence Land and Conservation Act, Clean Stream Law.

STATUS OF PROGRAM: Disapproved Oct. 22, 1980; enjoined Nov. 26, 1980, for 1 year.

\$2,611,075 grant for initial-program support.

SOAP: 200 eligible operators; 7 applied for assistance, 5 approved. 68 laboratories approved.

I&E: Most common violation involved sedimentation ponds.

7,305	inspections.
1,081	notices of violation.
98	cessation orders.
385	citizen complaints.

AML: \$57,876,716 reclamation fees, 85 projects, \$19,637,600 obligated.^{1/}

^{1/} Project data are for FY 1978-80.

\$1,113,700 for national inventory of abandoned mine land.
 \$259,820 for State reclamation plan.
 MINERAL INSTITUTE: Pennsylvania State University, University Park.
 \$82,500 grant for operations.
 \$401,694 grant for 9 research projects.

RHODE ISLAND

COAL PRODUCTION: None.
 REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and
 Enforcement (OSM).
 LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of
 1977.
 STATUS OF PROGRAM: A Federal coal-exploration program is being
 developed by OSM.
 AML: 1 project, \$3,000 obligated.^{1/}

SOUTH CAROLINA

SOAP: 2 laboratories approved.

SOUTH DAKOTA

MINERAL INSTITUTE: South Dakota School of Mines and Technology,
 Rapid City.
 \$160,000 grant for scholarships/fellowships for 3-year
 period.
 \$110,000 grant for operations.
 \$71,970 grant for 1 research project.

TENNESSEE

COAL PRODUCTION: 9,503,010 tons.
 NUMBER OF MINES: 603 surface; 129 underground; 58 support
 facilities.

^{1/} Project data are for FY 1978-80.

REGULATORY AGENCY: Department of Conservation.

LAW RELATED TO PROGRAM: Tennessee Coal Surface Mining Law of 1980.

STATUS OF PROGRAM: Partially approved/partially disapproved Oct. 10, 1980, enjoined Dec. 5, 1980, for 3 months.

\$422,200 grant for initial-program support.

SOAP: 150 eligible operators, 19 applied for assistance, 10 approved. 16 laboratories approved.

I&E: Most common violation involved hydrologic impact.

1,710	inspections.
481	notices of violation.
256	cessation orders.
64	citizen complaints.

AML: \$6,108,172 reclamation fees, 4 projects, \$3,513,700 obligated.^{1/}

\$240,000	for national inventory of abandoned mine land.
\$63,446	for annual work plan.

TEXAS

COAL PRODUCTION: 28,261,972 tons.

NUMBER OF MINES: 12 surface.

REGULATORY AGENCY: Railroad Commission of Texas.

LAW RELATED TO PROGRAM: Surface Coal Mining and Reclamation Act.

STATUS OF PROGRAM: Approved Nov. 26, 1980.

\$305,623 grant for permanent-program administration and enforcement.

SOAP: 0 eligible operators. 7 laboratories approved.

I&E: Most common violation involved topsoil handling.

17	inspections.
3	notices of violation.
1	cessation order.
0	citizen complaints.

AML: \$6,094,834 reclamation fees, 3 projects, \$759,000 obligated.^{1/}

\$88,000	for national inventory of abandoned mine land.
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^{1/} Project data are for FY 1978-80.

MINERAL INSTITUTE: University of Texas, Austin.
 \$82,500 grant for operations.
 \$44,077 grant for 1 research project.

UTAH

COAL PRODUCTION: 11,830,623 tons.
 NUMBER OF MINES: 26 underground.
 REGULATORY AGENCY: Department of Natural Resources, Division of
 Oil, Gas and Mining.
 LAW RELATED TO PROGRAM: Coal Mining and Reclamation Act of 1979.
 STATUS OF PROGRAM: Partially approved/partially disapproved Oct.
 24, 1980.
 \$272,457 grant for initial-program support.
 \$31,007 grant for permanent-program development.

SOAP: 8 eligible operators, 0 applied for assistance; 2 laboratories
 approved.

I&E: Most common violation involved spoil over downslope.

105 inspections.
 24 notices of violation.
 2 cessation orders.
 1 citizen complaint.

AML: \$4,180,546 reclamation fees, 0 projects.^{1/}

MINERAL INSTITUTE: University of Utah, Salt Lake City.
 \$82,500 grant for operations.
 \$250,586 grant for 4 research projects.

VIRGINIA

COAL PRODUCTION: 34,573,910 tons.
 NUMBER OF MINES: 284 surface, 647 underground, 237 support
 facilities.
 REGULATORY AGENCY: Department of Conservation and Economic
 Development.
 LAW(S) RELATED TO PROGRAM: Virginia Coal Surface Mining Control and
 Reclamation Act of 1979; amended 1980 by HB 943 and HB 944.

^{1/} Project data are for FY 1978-80.

STATUS OF PROGRAM: Partially approved/partially disapproved Oct. 22, 1980; enjoined Dec. 3, 1980, for 1 year.

\$2,107,137 grant for initial-program support.

SOAP: 200 eligible operators, 16 applied for assistance, 12 approved. 20 laboratories approved.

\$69,138 grant for administration.
\$325,000 grant for operations.

I&E: Most common violation involved sedimentation ponds.

2,300 inspections.
453 notices of violation.
80 cessation notices.
51 citizen complaints.

AML: \$17,063,210 reclamation fees, 17 projects, \$4,311,900
obligated. ^{1/}

~~\$263~~³⁶⁵,120 for national inventory of abandoned mine land.

MINERAL INSTITUTE: Virginia Polytechnic Institute and State University, Blacksburg.

\$160,000 grant for scholarships/fellowships for 3-year
period.
\$110,000 grant for operations.
\$197,003 grant for 4 research projects.

WASHINGTON

COAL PRODUCTION: 5,111,446 tons.

NUMBER OF MINES: 3 surface.

REGULATORY AGENCY: U.S. Office of Surface Mining Reclamation and Enforcement (USM).

LAW RELATED TO PROGRAM: Surface Mining Control and Reclamation Act of 1977. A Federal program for Washington will supersede any State laws and regulations that are less stringent than the Act and the program, and will incorporate any that are more stringent.

STATUS OF PROGRAM: Washington elected not to submit a permanent regulatory program.

SOAP: 1 eligible operator, 0 applied for assistance, 1 laboratory approved.

1/ Project data are for FY 1978-80.

I&E: Most common violation involved sedimentation ponds.

6	inspections.
1	notice of violation.
0	cessation orders.
0	citizen complaints.

AML: \$4,722,011 reclamation fees, 5 projects, \$35,300
obligated.^{1/}

MINERAL INSTITUTE: University of Washington, Seattle.

period.	\$160,000	grant for scholarships/fellowships for 3-year
	\$110,000	grant for operations.
	\$29,184	grant for 1 research project.

WEST VIRGINIA

COAL PRODUCTION: 111,651,699 tons.

NUMBER OF MINES: 1,112 surface, 1,333 underground, 595 support
facilities.

REGULATORY AGENCY: Department of Natural Resources.

LAW RELATED TO PROGRAM: Surface Coal Mining and Reclamation Act.

STATUS OF PROGRAM: Partially approved/partially disapproved Oct.
20, 1980.

\$1,830,444	grant for initial-program support.
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SOAP: 450 eligible operators, 25 applied for assistance, 25 approved.
34 laboratories approved.

\$1,633,862	grant for operations.
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I&E: Most common violation involved sedimentation ponds.

7,331	inspections.
988	notices of violation.
148	cessation orders.
80	citizen complaints.

AML: \$50,501,012 reclamation fees, 33 projects, \$7,036,000
obligated.^{1/}

\$643,051	for national inventory of abandoned mine land.
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MINERAL INSTITUTE: West Virginia University, Morgantown.

\$82,500	grant for operations.
\$120,721	grant for 2 research projects.

^{1/}Project data are for FY 1978-80.

WISCONSIN

SOAP: 2 laboratories approved.

WYOMING

COAL PRODUCTION: 86,591,434 tons.
 NUMBER OF MINES: 30 surface; 4 underground.
 REGULATORY AGENCY: Department of Environmental Quality, Land
 Quality Division.
 LAW RELATED TO PROGRAM: Environmental Quality Act of 1973.
 STATUS OF PROGRAM: Conditionally approved Nov. 26, 1980.
 \$251,254 grant for permanent-program development.
 SOAP: 6 eligible operators, 0 applied for assistance; 3 laboratories
 approved.
 I&E: Most common violation involved topsoil handling.
 69 inspections.
 13 notices of violation.
 0 cessation orders.
 0 citizen complaints.
 AML: \$65,662,801 reclamation fees, 8 projects, \$512,800
 obligated.^{1/}
 \$1,297,882 for State reclamation plan.
 MINERAL INSTITUTE: University of Wyoming, Laramie.
 \$82,500 grant for operations.
 \$14,370 grant for 1 research project.

^{1/} Project data are for FY 1978-80.

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SOAP: 6 eligible operators, 0 applied for assistance, 3 laboratories approved.

I&E: Most common violation involved topsoil handling.

69	inspections.
13	notices of violation.
0	cessation orders.
0	citizen complaints.

AML: \$65,662,801 obligated.^{1/} reclamation fees, 8 projects, \$512,800

\$1,297,882 for State reclamation plan.

MINERAL INSTITUTE: University of Wyoming, Laramie.

\$82,500	grant for operations.
\$14,370	grant for research project.

^{1/} Project data are for FY 1978-80.