

A Report on the Success of Achieving Reclamation Standards on Surface
Coal Mining Operations in Ohio

Evaluation of Bond Releases and Contemporaneous Reclamation

FINAL Report
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I. Introduction

This report summarizes the Office of Surface Mining's (OSM) oversight review of mined land that has achieved the reclamation standards of the Ohio Program. We conducted on-the-ground evaluation on a sample of the reclamation segments that the Ohio Division of Mineral Resources Management (DMRM) had approved for bond release. Our contemporaneous reclamation evaluation was based on data from bond release and other documents provided by DMRM. Our purpose is to verify that DMRM is approving bond releases only when the permittee has met all standards required by the Ohio Program and to review success in meeting the objectives of contemporaneous reclamation requirements.

Achieving the reclamation standards necessary for approval of a bond release is a measure of a State's success in carrying out the requirements of the Surface Mining Control and Reclamation Act (SMCRA).

We report these results and the results of other measurements to Congress to comply with the Government Performance and Results Act (GPRA). We are also reporting information that shows how timely reclamation is being completed in Ohio.

II. Methodology

We conducted inspections on 16 percent of the reclamation segments that the DMRM District Offices approved for bond release between July 1, 2000, and June 30, 2001. We collected information for this evaluation from most of our inspections and from DMRM's bond release data. We evaluated each reclamation phase using these success standards:

Phase I

Elimination of highwalls

Restoring approximate original contour

Establishing drainage controls

Achieving stability

Phase II

Depth of soil restoration

Establishing vegetation

Prime farmland restoration records

Water quality

Phase III

Tree and riparian vegetation planting

Productivity records

Permanent structures

Hydrologic impacts

Ground cover

Responsibility period

Land use capability

We measured contemporaneous reclamation using information provided by DMRM for all Phase I, II, and III bond releases the District Offices approved between July 1, 2000, and June 30, 2001. The information provided the date the permittee first identified a segment for reclamation and the date the permittee submitted a bond release request that DMRM approved for that segment. We considered a reasonable time for achieving a Phase I release to be one year, Phase II two years, and Phase III six to seven years from the time the segment is identified for reclamation. We based our measure on the principle that a permittee's request for bond release is the first indication that the permittee has asked for a reduction in liability and the first time DMRM determines whether reclamation is completed.

We completed a bond release evaluation form for each bond release inspection OSM conducted. We also collected information on remining, land use, hydrology, and surface water features on most oversight inspections. Appendices I, II, and III contain a summary of our bond release inspection findings. Appendix IV provides data from DMRM's bond releases. Appendix V lists permits where mining has been completed for more than two years and Phase II bond release has not yet been achieved. The period covered by this evaluation is July 1, 2000, to June 30, 2001.

Table A provides the number of bond releases approved by DMRM during the review period. Table B provides a summary of our bond release inspections.

Table A Bond Releases Approved by DMRM July 1, 2000 - June 30, 2001					
Phase I		Phase II		Phase III	
Acres	Number of Segments	Acres	Number of Segments	Acres	Number of Segments
7680.2	92	7777.2	120	6950.4	166

Table A includes eight segments released on bond forfeiture sites; one Phase I, three Phase II, and four Phase III.

Table B Bond Releases Approved by DMRM and Inspected through OSM Oversight July 1, 2000 - June 30, 2001					
Phase I		Phase II		Phase III	
Acres	Number of segments	Acres	Number of segments	Acres	Number of segments
1159.0	19	737.8	12	1957.0	31

III. Findings

Reclamation Success

Phase I Bond Release

OSM inspections on 19 of 92 segments that DMRM approved for Phase I bond release concurred with DMRM's decisions that the segments met the performance standards for a phase I bond release. We evaluated 21 percent of all of the Phase I bond releases approved by DMRM during the period. All 19 segments met the required standards for Phase I bond release. Appendix I provides specific findings on each segment. The evaluation considered: regrading to the approximate original contour or the approved land configuration; elimination of all highwalls; the appearance of stability of regraded slopes; installation of proper drainage controls; and a preliminary data and field review of hydrologic impacts.

Reclamation Success at Phase II Bond Release:

OSM inspections on 12 of 120 segments that DMRM approved for Phase II bond release concurred with DMRM's decisions that the segments met the performance standards for a phase II bond release. We evaluated 10 percent of all of the Phase II bond releases approved by DMRM during the period. We determined that all 12 segments met the standards for Phase II bond release. Appendix II reports the specific findings on each segment/permit. The evaluation considered: vegetative cover; control of runoff; soil restoration; prime farmland yield restoration; and a preliminary data and field review of hydrologic impacts.

Reclamation Success at Phase III Bond Release:

OSM inspections on 31 of 166 segments that DMRM approved for Phase III bond release concurred with DMRM's decisions that the segments met the performance standards for a Phase III bond release. We evaluated 19 percent of all of the Phase III bond releases approved by DMRM during the period. The 31 segments we evaluated met the standards for Phase III bond release. Appendix III reports the specific findings on each segment/permit. Our evaluation considered: vegetative cover; tree and riparian vegetation planting and success; productivity; appropriateness of permanent structures; hydrologic impacts; post-mining land use; and expiration of the responsibility period for ensuring successful vegetation.

Contemporaneous Reclamation

Although the Ohio Program (OAC 1501:13-9-13) does not set a specific number of days, months, or years for achieving each phase of bond release, it does require reclamation and bond release ~~as~~ contemporaneous as practicable with mining operations.” Our evaluation considered a reasonably

expected number of years for achieving the standards for each phase of bond release. Our purpose is to provide a general indication of how well DMRM and industry are fulfilling the objective of contemporaneous reclamation.

Appendix IV provides the actual time in years between the dates segments were identified for reclamation and the dates the permittees requested bond releases approved during this evaluation period. The request for and approval of bond release is the only formal mechanism that exists for verifying and documenting completion of each phase of reclamation. For the last two years, we have reported information based on all DMRM Phase I, II, and III bond releases. We will use this information again this year and will provide a comparison from the last two years of data. The data shows the actual time frame between identification of segments for reclamation, receipt of bond release requests, and actual approval of bond releases by DMRM=s District Offices. The following findings identify the range in reclamation time frames on all segments DMRM released.

Timeliness of Reclamation and Bond Release of Reclamation Segments

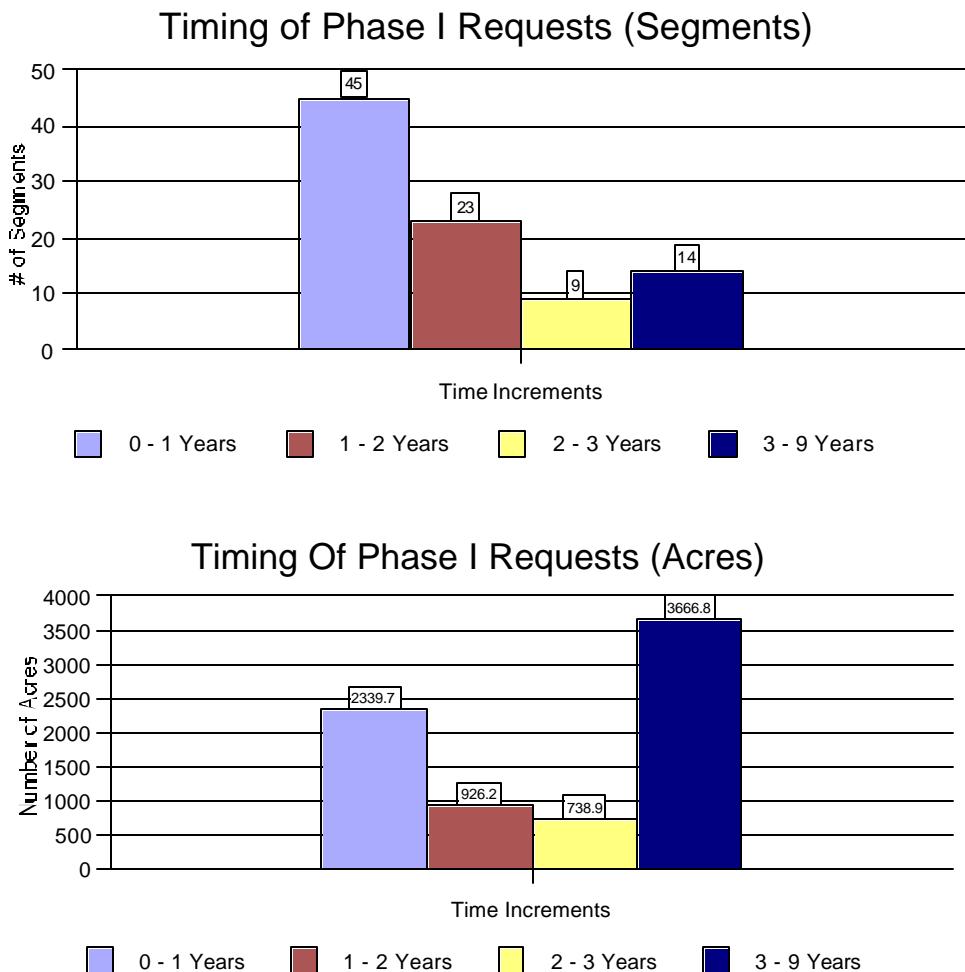
Time frames for completing Phase I reclamation ranged from -0.6 years to 8.5 years¹ and averaged 1.7 years on 91 Phase I releases² approved by DMRM. The standard deviation is 1.9 years. The contemporaneous reclamation rule (OAC 1510:13-9-13) requires completion of backfilling and rough grading within 60 days or 180 days after coal removal, depending on the mining method. Based on expected reclamation practices, adding 60 days beyond the rough backfilling and grading time requirements provides a reasonable time for completion of final grading and preparation of the bond release request. Based on these time frames, a reasonably expected time for meeting Phase I requirements following identification of a reclamation segment is between 120 days (0.3 years) and 240 days (0.7 years). For purposes of this study and to account for extenuating circumstances, we determined that requests for Phase I should be submitted within one year after a segment is identified for reclamation. The data in Appendix IV and Chart D shows that permittees requested Phase I bond release within one year of identifying the segment for reclamation on 49 percent of the segments approved for Phase I release. These segments included 31 percent of the acreage approved for Phase I release.

Chart D shows the number of segments, acreage, and time increments of the Phase I releases DMRM approved between July 1, 2000, and June 30, 2001.

¹The number of years is the time between the date an incremental area or segment was identified for reclamation and the date the permittee submitted a request for bond release. For example, the Year 1 segment of a permit was identified on an annual or final report as ending in July 1998. The permittee submitted a request for Phase I bond release on Year 1 in December 1998. For purposes of this report, the time (rounded to five months) is reported as 0.4 years. **Less than one year or a negative number indicates that the bond release request was dated prior to the date the segment was identified for reclamation in an annual report.**

² Does not include one phase I bond release granted on a bond forfeiture site after the work was completed by a third party.

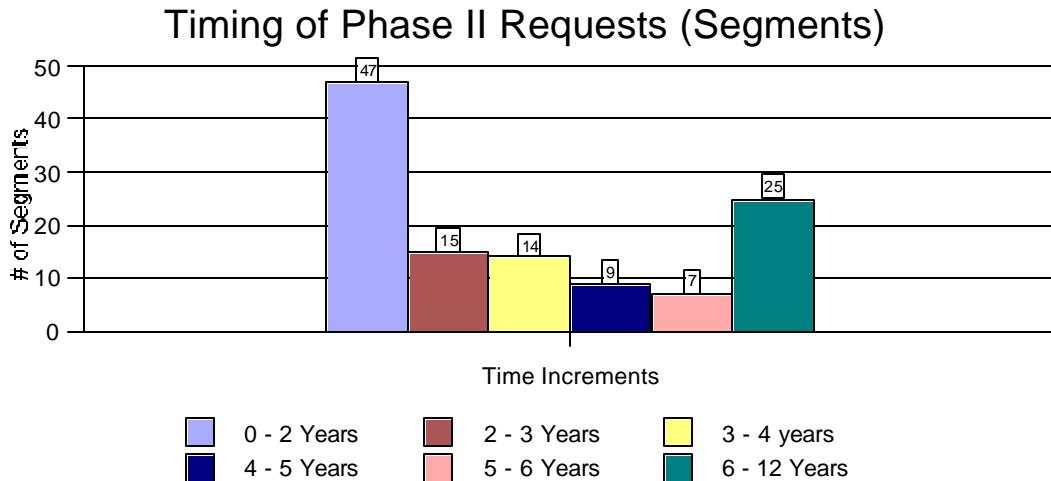
CHART D



Time frames for completing Phase II reclamation ranged from -0.5 years to 13.8 years and averaged 3.6 years on 117 phase II releases³ approved by DMRM. The standard deviation is 3.0 years. For the most part, a segment is eligible for phase II bond release once the area is resoiled and vegetation is established to control erosion. On prime farmland (PFL), the permittee must also demonstrate restored productivity for three years. Once a site is graded, resoiling is required within the first acceptable growing season. In most cases, it is reasonable to expect that a segment be resoiled, planted, and vegetation established to control erosion within two years after the segment is identified for reclamation. Two years allow for the backfilling and grading schedules identified under OAC 1501:13-9-13, adequate time for resoiling, seasonal impacts, time to establish adequate vegetation following seeding, and time for some rework. We acknowledge there will always be site-specific exceptions to the two-year expectation; for example, segments containing PFL. The data in Appendix IV and Chart E show that permittees requested Phase II bond release within two years of identifying the segment for reclamation on 40 percent of the segments approved for Phase II release. These segments included 25 percent of the acreage approved for Phase II bond release. Phase II bond releases were requested on 53 percent of the segments approved within three years of identifying the segment for reclamation.

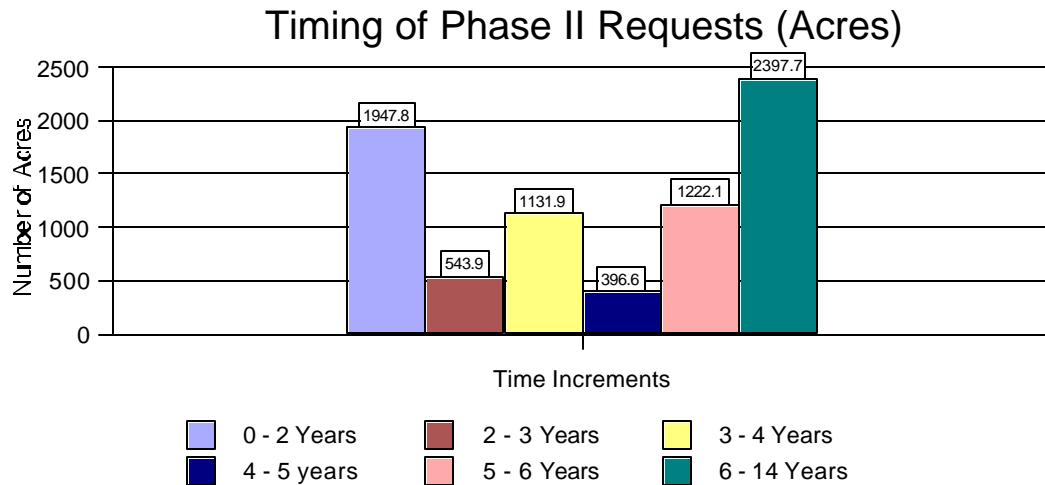
Chart E shows the number of segments, acreage, and the time increments of the Phase II releases DMRM approved between July 1, 2000, and June 30, 2001.

Chart E



³ Does not include three phase II bond releases granted on bond forfeiture sites after the work was completed by a third party.

Chart E (continued)



Note: Three segments on bond forfeiture sites are excluded from Chart E.

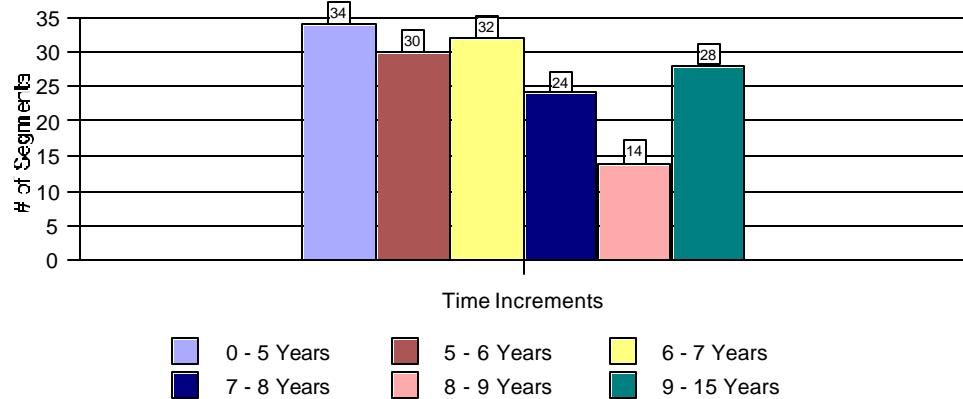
Time frames for completing Phase III reclamation ranged from -0.6 years to 16.2 years and averaged 6.9 years on the 162 phase III releases⁴ approved by DMRM. The standard deviation for these segments is 2.5 years. A site is eligible for Phase III release when all standards are met and either a two-year period or five-year revegetation responsibility period expires. The responsibility period starts at the last time of augmented seeding. The two-year period applies only to sites eligible for remining. In most cases, it is reasonable to expect a phase III release in six to seven years after identifying a segment for reclamation if the site is not eligible for remining. A six to seven-year period provides one year to complete grading; a second year to complete resoilng, seeding, and establishing vegetation; and the remaining four to five years to demonstrate productivity and for expiration of the five-year responsibility period. We acknowledge there will always be site-specific exceptions to this expectation. On occasion, the period may be extended due to rework and reseeding that may restart the five-year responsibility period. The data in Appendix IV and Charts H and I show that permittees requested Phase III bond release within seven years of identifying the segment for reclamation on 59 percent of the segments approved for Phase III release. These segments included 59 percent of the acreage approved for Phase III bond release. The segments in the zero to five-year range were either sites eligible for a two-year responsibility period, sites that did not require vegetation based on the land use, or sites that were seeded prior to the date the segment was identified for reclamation.

Chart F shows the number of segments, acreage, and the time increments of the Phase III releases DMRM approved between July 1, 2000, and June 30, 2001.

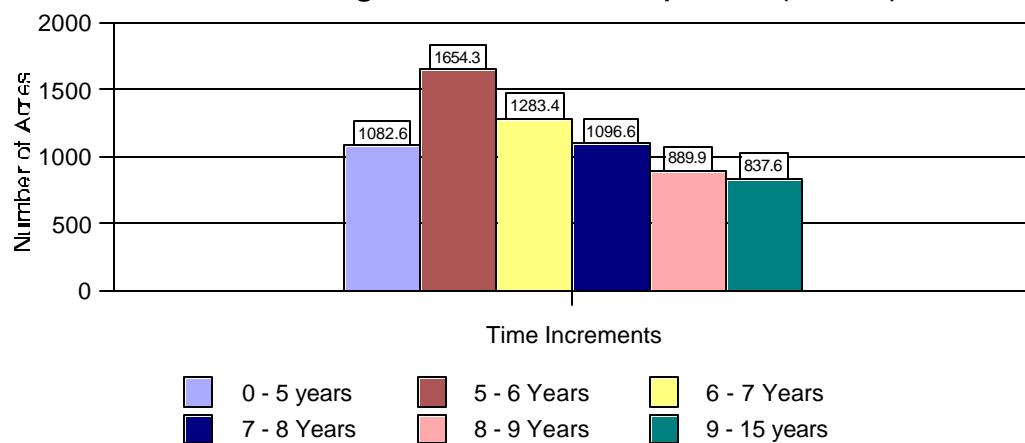
⁴ Does not include four phase III bond releases granted on bond forfeiture sites after the work was completed by a third party.

Chart F

Timing of Phase III Requests (Segments)



Timing of Phase III Requests (Acres)



Note: Four segments on bond forfeiture sites are excluded from Chart F.

Three-Year Bond Release Summary Data

This year's data shows an increase in the average time for requesting Phase I bond release (average time was 1.9 years in 1999, 1.2 years in 2000, and 1.7 years in 2001). However, the number of acres approved for Phase I release in 2001 nearly tripled from 2000 (Phase I: 5470.1 acres in 1999, 2615.3 acres in 2000, and 7671.6 acres in 2001).

The average time for requesting Phase II releases improved from the two prior years, considering all Phase II bond releases (Phase II - 3.9 years in 1999, 3.8 years in 2000, and 3.6 years in 2001). The number of acres approved for Phase II released in 2001 increased from 2000 (Phase II: 7117.7 acres in 1999, 4751.7 in 2000, and 7640.0 in 2001).

The average time for requesting Phase III release increased slightly from the two prior years (Phase III - 6.5 years in 1999, 6.5 years in 2000, and 6.9 years in 2001). The acreage approved for Phase III bond release in 2001 decreased from 2000 (Phase III: 5961.9 acres in 1999, 8688.9 acres in 2000, and 6844.4 acres in 2001).

Charts G, H, and I provide a three-year comparison of acres released by year, segments released by year, and the average time between the date a segment is identified for reclamation and the date the permittee requested bond release.

Chart G

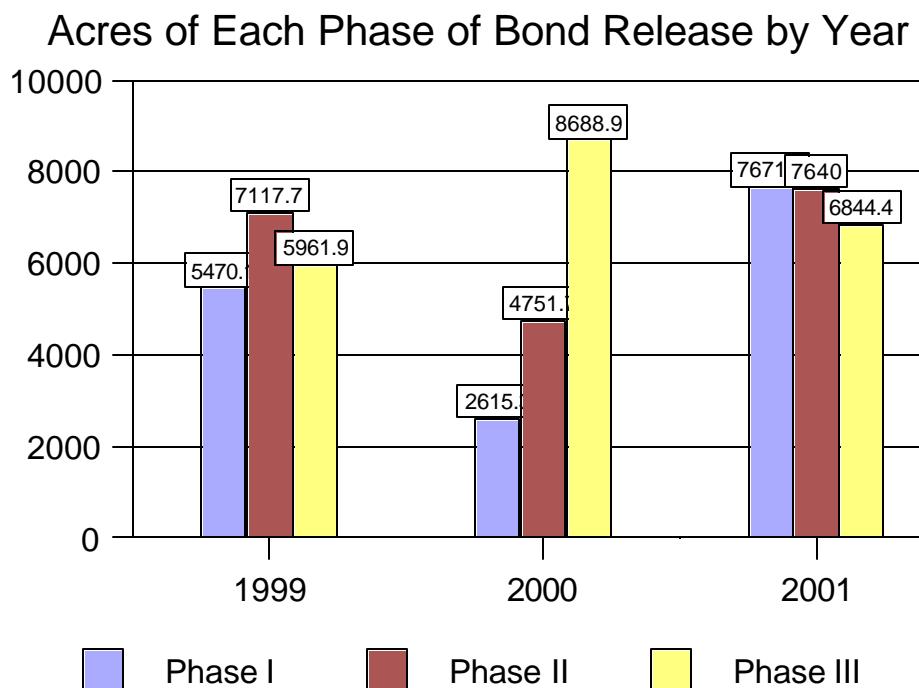


Chart H

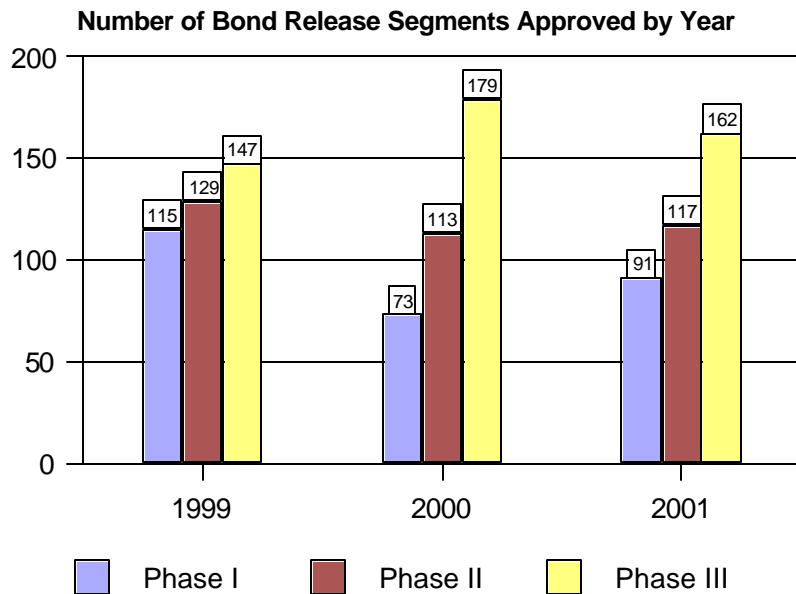
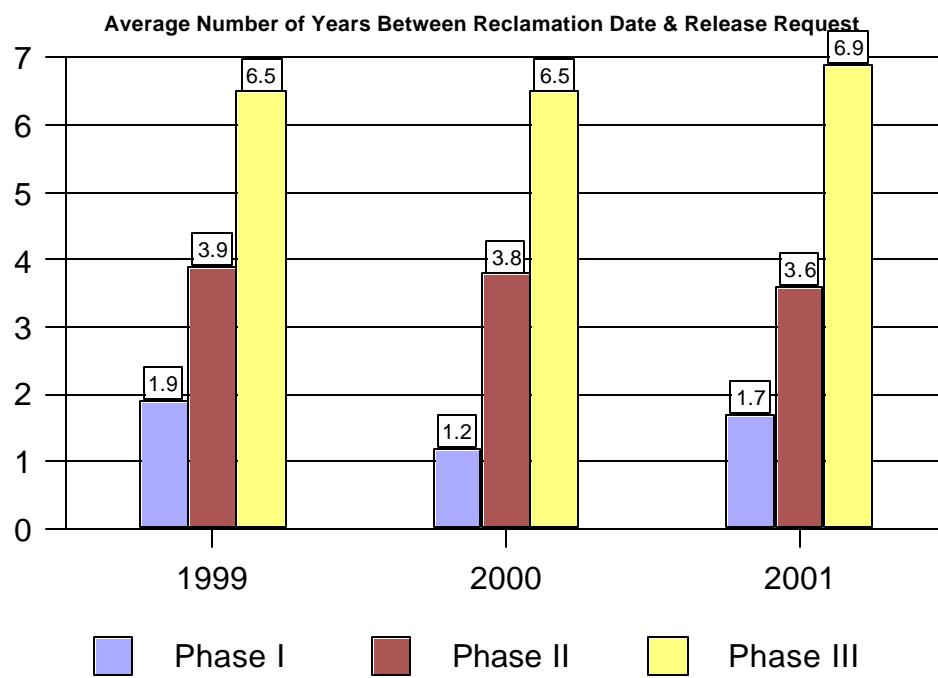


Chart I



During the past five years, DMRM has been working to reduce the number of sites where mining has been completed for more than two years and the site has not achieved a Phase II bond release. DMRM

reduced the number of permits in this condition by over 60 percent between August of 1996 and August of 1999. In August 2000, 35 permits existed that had not yet achieved a Phase II bond release, although mining had been completed for more than two years. As of August 2001, there are 38 permits that meet these criteria. These 38 permits have a range from one month to 12 years since mining was completed. DMRM has also directed efforts on achieving Phase III bond release on sites where mining has been complete for more than six years. In August 2000, there were 50 permits meeting these criteria and in August 2001 there were 42. These 42 permits have a range from one month to 13 years since mining was completed and from one month to nearly ten years since the site achieved phase II bond release. Appendices V and VI provide lists of permits that exists in each category as of August 2001.

Interesting Facts on End-Results of Mining and Reclamation

Another part of evaluating reclamation success is reporting some of the actual results of mining and reclamation. During our inspections of 102 permits, that included about 22,000 permitted acres, we assembled some basic information about:

- \$ Land use
- \$ Restored productivity
- \$ Permanent structures
- \$ Remining

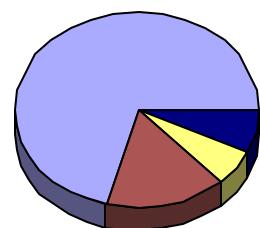
Chart J on the following page shows land use trends. Chart J identifies the percent of acreage for the major land use categories that existed before mining on 102 permits that OSM inspected. Chart J identifies the percent of acreage for post-mining land use categories on these same permits.

Chart J shows that 71 percent of the permitted areas were classified as undeveloped land prior to mining. Undeveloped land includes wooded/forested areas, fish and wildlife habitat, abandoned farmland, previously mined areas, and other land that is not managed. Chart J shows that 67 percent of the mined land is being restored to pasture or grazing land after mining.

Chart J

Pre Mining Land Use

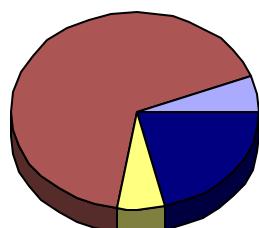
Percent



- █ Undeveloped 71%
- █ Pasture/Grazing 16%
- █ Crop/PFL 6%
- █ Other 7%

Post Mining Land Use

Percent



- █ Undeveloped 6%
- █ Pasture/Grazing 67%
- █ Crop/PFL 6%
- █ Other 21%

Crop productivity records on 31 segments approved for Phase III bond release that required yield demonstrations indicate that the average hay production on the total of the released acreage (pasture, grazing, cropland) was 3.17 tons per acre. This exceeded the total county average by 22 percent. Thirty-six permanent water impoundments, totaling about 32 acres were created on 33 segments that we inspected for Phase III release.

OSM inspectors recorded information on the benefits of remining on the permits that they inspected. Based on their review of permit applications and on-the-ground assessments of 78 permits that included some aspect of remining, OSM inspectors estimated the following statistics about remining.

Permit applications proposed the following improvements due to remining on these 78 permits:

- i Remove about 100 miles of abandoned highwalls
- i Reclaim about 3800 acres of unreclaimed mine spoil
- i Eliminate about 150 mine openings or entries

As of the date of our inspection, remining on these 78 permits:

- i Eliminated about 60 miles of highwall
- i Reclaimed about 2800 acres of unreclaimed mine spoil
- i Mined out about 100 mine entries or opening

IV. Summary

DMRM only approved bond releases on the sites we inspected once all standards required for each phase of release had been met. On-the-ground reclamation met or exceeded performance standards in all cases. Mined land is restored to productive use with a high percentage being restored to pasture/grazing land, with hay production generally exceeding the county average.

DMRM should continue its successful efforts to ensure contemporaneous reclamation and timely bond release. OSM will continue to use the data from bond releases to report on contemporaneous reclamation on a program-wide basis. We will compare data year-to-year to monitor DMRM's and industry's success with implementing contemporaneous reclamation requirements. We will also continue to monitor DMRM's success in reducing the number of sites where mining is completed, but Phase II release has not been achieved within two years.

Appendix I
Permits Evaluated by OSM for Phase I Bond Release
(July 1, 2000 - June 30, 2001)

Permit & Segment	Acreage Evaluated	Approx Time between ID of segment for reclamation and submission of PH I *	Highwalls Eliminated?	AOC or other approved landform achieved?	Drainage controls functional?	Backfilled Slopes stable?
D-609-14	119.8	0.5	Y	Y	Y	Y
D-1192-2	96.5	0.2	Y	Y	Y	Y
D-1192-1	16	0.7	Y	Y	Y	Y
D-1144-3	36.2	0.6	Y	Y	Y	Y
D-1144-2	15.8	1.6	Y	Y	Y	Y
D-1139-2	40.5	1.6	Y	Y	Y	Y
D-1137-3	59	0.2	Y	Y	Y	Y
D-1135-2	9.9	1.1	Y	Y	Y	Y
D-1134-2	36.8	1.1	Y	Y	Y	Y
D-1133-3	13.5	0.8	Y	Y	Y	Y
D-1126-3	79.4	1.6	Y**	Y	Y**	Y**
D-1118-3	17.6	1.2	Y	Y	Y	Y
D-1115-5	39.0	0.2	Y	Y	Y	Y
D-1095-5	35.8	0.2	Y	Y	Y	Y
D-1087-6	18.2	0.8	Y	Y	Y	Y
D-1062-6	118.7	0.3	Y	Y	Y	Y
D-1062-5	242.1	1.3	Y	Y	Y	Y
D-1062-4	147.8	2.3	Y	Y	Y	Y

* Shown in years and is derived from the time the permittee first identified the segment to be reclaimed in an annual report until the permittee requested PH I bond release.

**Highwall exposed after permanent impoundment de-watered. Permanent impoundment not holding water, and backfilled highwall has settled. All of this occurred after approval of the Phase I bond releases.

Appendix II Permits Evaluated by OSM for Phase II Bond Release (June 30, 2000 - July 1, 2001)							
Permit & Segment	Acreage Evaluated	Approx Time between ID of segment for reclamation and submission of PHII *	Vegetation Established to Control Erosion?	Soil restoration achieved?		PFL Soil Restored, Target yield met?	Surface Water Quality Acceptable?
				Topsoil	ARM		
D-1137-2	35	1.2	Y	Y	NA	NA	Y
D-241-15	16.4	1.2	Y	Y	NA	NA	Y
D-852-5	5.7(PFL)	6.2	Y	Y	NA	Y	Y
D-922-2	39.6	7.8	Y	Y	NA	NA	Y
D-922-3	40.3	6.8	Y	Y	NA	NA	Y
D-1192-1	16	0.7	Y	Y	NA	NA	Y
D-559-8	288.9	6.4	Y	Y	NA	NA	Y
D-1034-1	118.3	5.8	Y	Y	NA	NA	Y
D-1123-2	30.7	1.6	Y	NA	Y	NA	Y
D-720-9	5.8	3.5	Y	Y	NA	NA	Y
D-1154-1	86.0	2.0	Y	Y	NA	NA	Y
D-1187-1	55.2	0.8	Y	Y	NA	NA	Y

* Shown in years and is derived from the time the permittee first identified the segment to be reclaimed in an annual report until the permittee submitted the PH II release request.

Appendix III
Permits Evaluated by OSM for Phase III Bond Release (July 1, 2000 - June 30, 2001)

Permit & Segment	Acres	Approx Time between ID of segment for reclamation and request for PH III *	Trees/Riparian Vegetation Meet Requirements?	Target Yields Achieved?	Permanent Structures Comply with Permit?			Surface Water Quality Standards Achieved?	Ground Water Quality & Quantity Standards Achieved?	Est. % of Ground Cover	Liability Period Expired?	Post-mining land use				
					County Average	Post-mining Yield	Ponds					Approved PMLU(s)	Area capable of supporting PMLU?	PFL Acres recl		
					Acres	#										
D-703-6	37.3	5.2	NA	2.79	2.95	0	0	0	Y	Y	>90	Y	PAST/CROP	Y	NA	
D-236-8	23.5	7.6	NA	2.97	3.15	1.5	1	0	0	Y	Y	>99	Y	PAST	Y	NA
D-533-8	67.2	5.8	NA/Y	2.97	3.25	1.5	1	1	0	Y	Y	>90	Y	GRAZ/CROP	Y	NA
D-746-4	331.0	7.7	Y/Y	2.41	2.5	10.2	7	SEV	0	Y	Y	>90	Y	PAST	Y	NA
D-746-5	165.0	6.7	Y/Y	2.41	2.6	3.9	6	SEV	0	Y	Y	>90	Y	PAST	Y	NA
D-217-12	164.8	5.0	NA/Y	<2.97	2.97	0	3	0	0	Y	Y	>90	Y	PAST/IND	Y	NA
D-852-5	88.5	6.2	NA/Y	2.97	4.5	0	0	0	0	Y	Y	>90	Y	GRAZ/CROP	Y	5.7
D-619-3	180.1	11.0	NA/Y	2.43	3.1	0	0	0	0	Y	Y	>90	Y	PAST/CROP	Y	7.4
D-619-4	7.6	10.0	NA/Y	2.43	3.1	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA
D-619-5	20.6	9.0	NA/Y	2.43	3.1	0	0	0	0	Y	Y	>90	Y	PAST/CROP	Y	NA
D-619-6	50.3	8.0	NA/Y	2.43	3.1	0.9	1	0	0	Y	Y	>90	Y	PAST/CROP	Y	NA
D-619-7	50.9	7.0	NA/Y	2.43	3.1	0	0	0	0	Y	Y	>90	Y	PAST/CROP	Y	NA
D-619-8	49.2	6.0	NA/Y	2.43	3.1	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA
D-990-3	32.4	5.2	Y/Y	NA	NA	0	0	0	0	Y	Y	>90	Y	WILD	Y	NA
D-946-4	35.7	5.3	Y/Y	NA	NA	0.5	1	0	0	Y	Y	>95	Y	WILD	Y	NA

Appendix III (continued)
Permits Evaluated by OSM for Phase III Bond Release July 1, 2000 - June 30, 2001

Permit & Segment	Acres	Approx Time between ID of segment for reclamation and request for PH III *	Trees/Riparian Vegetation Meet Requirements?	Target Yields Achieved?		Permanent Structures Comply with Permit?			Surface Water Quality Standards Achieved?	Ground Water Quality & Quantity Standards Achieved?	Est. % of Ground Cover	Liability Period Expired?	Post-mining land use			
				County Average	Post-mining Yield	Ponds		Roads	Other					Approved PMLU(s)	Area capable of supporting PMLU?	PFL acres recl
						Acres	#									
D-944-4	66.7	5.7	Y/NA	2.41	3.03	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA
D-944-5	22.2	4.7	Y/NA	2.41	3.03	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA
D-944-3	72.1	6.7	Y/NA	2.41	3.03	1.3	3	0	0	Y	Y	>90	Y	PAST	Y	NA
D-997-2	28.6	6.1	Y/Y	2.41	3.03	0.7	1	0	0	Y	Y	90	Y	PAST	Y	NA
D-997-3	62.3	5.1	Y/Y	2.41	3.15	0	0	0	0	Y	Y	90	Y	PAST	Y	NA
D-1054-2	8.1	6.7	NA/NA	2.58	3.8	0	0	0	0	Y	Y	>95	Y	PAST	Y	NA
D-1137-1	9.6	3.3 REMINE	NA/NA	2.31	3.55	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA
D-1054-1	3.4	7.6	NA/NA	2.58	3.8	0.5	1	1	0	Y	Y	>95	Y	PAST	Y	NA
D-829-6	176.2	5.6	NA/Y	3.12	3.22	10	12	0	0	Y	Y	>95	Y	PAST	Y	NA
D-829-7	67.5	4.6	NA/Y	3.12	3.41	0	0	0	0	Y	Y	>95	Y	PAST	Y	NA
D-829-10	48.1	1.9	NA/Y	3.12	3.20	0	0	0	0	Y	Y	>95	Y	PAST	Y	NA
D-265-5	4.6	10.8	Y/NA	2.9	3.17	0	0	0	0	Y	Y	>95	Y	PAST	Y	NA
D-768-5	11.7	7.8	Y/NA	NA	NA	1	1	0	0	Y	Y	>90	Y	UNDEV	Y	NA
D-634-1	28.3	11.8	Y/Y	NA	NA	0.5	1	0	0	Y	Y	>95	Y	UNDEV	Y	NA
D-634-5	20.4	7.6	Y/Y	NA	NA	0	0	0	0	Y	Y	>95	Y	UNDEV	Y	NA
D0631-4	23.1	9.0	Y/NA	2.09	2.51	0	0	0	0	Y	Y	>90	Y	PAST	Y	NA

APPENDIX IV
BOND RELEASES APPROVED BY DMRM (July 1, 2000 – June 30, 2001)
MEASURE OF CONTEMPORANEOUS RECLAMATION

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
Phase I Releases									
D-1160	03-Feb-98	3	PH1	02-Feb-01	02-Feb-02	21-Jun-00	58.8	18-Aug-00	-0.6
D-1192	15-Mar-99	2	PH1	14-Mar-01	14-Mar-02	21-Nov-00	96.5	07-Feb-01	-0.3
D-1162	13-Mar-98	3	PH1	12-Mar-01	12-Mar-02	21-Nov-00	39.4	17-Jan-01	-0.3
D-0950	23-Jul-91	9	PH1	20-Jul-00	20-Jul-01	14-Apr-00	18.2	22-Aug-00	-0.3
D-1166	01-May-98	2	PH1	30-Apr-00	30-Apr-01	04-Apr-00	88.6	02-Nov-00	-0.1
D-0904	03-Oct-90	10	PH1	30-Sep-00	30-Sep-01	13-Oct-00	25.1	27-Dec-00	0.0
D-1026	22-Jul-93	7	PH1	20-Jul-00	20-Jul-01	03-Aug-00	8.6	20-Dec-00	0.0
D-1115	29-Dec-95	5	PH1	27-Dec-00	27-Dec-01	15-Feb-01	39.0	27-Mar-01	0.1
D-1165	22-Apr-98	2	PH1	21-Apr-00	21-Apr-01	19-Jun-00	22.2	28-Jul-00	0.2
D-1025	19-Jul-93	7	PH1	17-Jul-00	17-Jul-01	18-Sep-00	116.5	20-Dec-00	0.2
D-1137	18-Feb-97	3	PH1	18-Feb-00	17-Feb-01	02-May-00	59.0	20-Jul-00	0.2
D-0852	08-Aug-89	11	PH1	05-Aug-00	05-Aug-01	01-Nov-00	64.3	12-Jan-01	0.2
D-2003	12-Aug-99	1	PH1	11-Aug-00	11-Aug-01	21-Nov-00	9.6	04-May-01	0.3
D-1157	23-Dec-97	2	PH1	23-Dec-99	22-Dec-00	04-Apr-00	33.6	25-Oct-00	0.3
D-1083	30-Jun-94	6	PH1	28-Jun-00	28-Jun-01	13-Oct-00	32.3	12-Dec-00	0.3
D-0594	25-Jun-86	14	PH1	21-Jun-00	21-Jun-01	10-Oct-00	50.2	12-Dec-00	0.3
D-1176	29-Sep-98	2	PH1	28-Sep-00	28-Sep-01	18-Jan-01	40.0	20-Apr-01	0.3
D-1176	29-Sep-98	1	PH1	29-Sep-99	28-Sep-00	08-Feb-00	41.5	24-Jul-00	0.4
D-1160	03-Feb-98	2	PH1	03-Feb-00	02-Feb-01	21-Jun-00	57.7	18-Aug-00	0.4
D-1004	30-Nov-92	7	PH1	29-Nov-99	28-Nov-00	17-Apr-00	63.0	20-Jul-00	0.4
D-1062	11-Mar-94	6	PH1	09-Mar-00	09-Mar-01	27-Jul-00	118.7	14-Sep-00	0.4
D-2014	21-Oct-99	1	PH1	20-Oct-00	20-Oct-01	29-Mar-01	22.4	04-May-01	0.4
D-0609	26-Aug-86	14	PH1	22-Aug-00	22-Aug-01	16-Feb-01	119.8	20-Apr-01	0.5
D-1123	26-Apr-96	3	PH1	26-Apr-99	25-Apr-00	08-Nov-99	36.7	21-Dec-00	0.5
D-1153	16-Oct-97	2	PH1	16-Oct-99	15-Oct-00	02-May-00	91.7	20-Jul-00	0.5
D-1011	24-Mar-93	7	PH1	22-Mar-00	22-Mar-01	09-Oct-00	5.2	05-Dec-00	0.6
D-0931	11-Mar-91	9	PH1	08-Mar-00	08-Mar-01	28-Sep-00	59.2	20-Dec-00	0.6
D-0483	17-Jun-85	13	PH1	14-Jun-98	14-Jun-99	06-Jan-99	24.1	25-Jul-00	0.6
D-1126	22-Aug-96	3	PH1	22-Aug-99	21-Aug-00	06-Apr-00	79.4	16-Apr-01	0.6
D-0852	08-Aug-89	10	PH1	06-Aug-99	05-Aug-00	04-Apr-00	98.6	12-Jul-00	0.7
D-1162	13-Mar-98	2	PH1	12-Mar-00	12-Mar-01	21-Nov-00	25.8	17-Jan-01	0.7

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-1187	12-Jan-99	1	PH1	12-Jan-00	11-Jan-01	10-Oct-00	55.2	20-Dec-00	0.7
D-1038	17-Sep-93	6	PH1	16-Sep-99	15-Sep-00	16-Jun-00	23.2	04-Dec-00	0.8
D-1096	17-Nov-94	5	PH1	16-Nov-99	15-Nov-00	17-Aug-00	1.9	02-Nov-00	0.8
D-1192	15-Mar-99	1	PH1	14-Mar-00	14-Mar-01	21-Dec-00	16.0	07-Feb-01	0.8
D-0706	14-Sep-87	12	PH1	11-Sep-99	10-Sep-00	22-Jun-00	15.2	05-Feb-01	0.8
D-1124	21-Jun-96	3	PH1	21-Jun-99	20-Jun-00	01-Apr-00	27.4	14-Sep-00	0.8
D-1115	29-Dec-95	4	PH1	28-Dec-99	27-Dec-00	16-Oct-00	31.4	12-Dec-00	0.8
D-0674	15-May-87	12	PH1	12-May-99	11-May-00	01-Mar-00	30.6	15-Sep-00	0.8
D-1149	12-Aug-97	2	PH1	12-Aug-99	11-Aug-00	05-Jun-00	37.5	07-Aug-00	0.8
D-1133	16-Dec-96	3	PH1	16-Dec-99	15-Dec-00	13-Oct-00	13.5	21-Mar-01	0.8
D-0867	29-Nov-89	10	PH1	27-Nov-99	26-Nov-00	25-Sep-00	8.3	19-Jan-01	0.8
D-1059	13-Jan-94	6	PH1	12-Jan-00	11-Jan-01	10-Nov-00	152.4	20-Dec-00	0.8
D-1030	09-Aug-93	6	PH1	08-Aug-99	07-Aug-00	30-Jun-00	139.2	15-Aug-00	0.9
D-1028	26-Jul-93	6	PH1	25-Jul-99	24-Jul-00	27-Jun-00	142.2	26-Dec-00	0.9
Phase I Release in 0 to 1 Year Interval						Total:	2339.7	Count:	45
D-1135	30-Jan-97	2	PH1	30-Jan-99	30-Jan-00	18-Feb-00	9.9	14-Sep-00	1.1
D-1134	17-Jan-97	2	PH1	17-Jan-99	17-Jan-00	15-Feb-00	36.8	14-Sep-00	1.1
D-1169	08-Jul-98	1	PH1	08-Jul-99	07-Jul-00	14-Aug-00	18.5	20-Dec-00	1.1
D-0608	26-Aug-86	13	PH1	23-Aug-99	22-Aug-00	04-Oct-00	8.1	20-Dec-00	1.1
D-1170	21-Aug-98	1	PH1	21-Aug-99	20-Aug-00	10-Oct-00	11.6	20-Dec-00	1.1
D-0609	26-Aug-86	13	PH1	23-Aug-99	22-Aug-00	13-Oct-00	32.5	12-Dec-00	1.1
D-0282	24-Feb-84	15	PH1	20-Feb-99	20-Feb-00	19-Apr-00	50.9	31-Jul-00	1.2
D-1122	22-Apr-96	3	PH1	22-Apr-99	21-Apr-00	30-Jun-00	62.5	02-Mar-01	1.2
D-1118	14-Mar-96	3	PH1	14-Mar-99	13-Mar-00	26-May-00	17.6	02-Nov-00	1.2
D-1082	30-Jun-94	5	PH1	29-Jun-99	28-Jun-00	26-Sep-00	8.0	20-Dec-00	1.2
D-1079	29-Jun-94	5	PH1	28-Jun-99	27-Jun-00	16-Oct-00	12.7	18-Dec-00	1.3
D-1160	03-Feb-98	1	PH1	03-Feb-99	03-Feb-00	21-Jun-00	25.0	18-Aug-00	1.4
D-1062	11-Mar-94	5	PH1	10-Mar-99	09-Mar-00	27-Jul-00	242.1	14-Sep-00	1.4
D-0820	14-Dec-88	10	PH1	12-Dec-98	12-Dec-99	08-May-00	155.8	05-Feb-01	1.4
D-0241	22-Nov-83	15	PH1	18-Nov-98	18-Nov-99	22-May-00	16.4	02-Nov-00	1.5
D-1144	24-Apr-97	2	PH1	24-Apr-99	23-Apr-00	15-Nov-00	15.8	07-Feb-01	1.6
D-1144	24-Apr-97	3	PH1	23-Apr-00	23-Apr-01	15-Nov-01	36.2	07-Feb-01	1.6
D-1139	18-Mar-97	2	PH1	18-Mar-99	17-Mar-00	27-Oct-00	40.5	23-Mar-01	1.6
D-0865	02-Nov-89	9	PH1	31-Oct-98	31-Oct-99	27-Jun-00	31.5	13-Sep-00	1.7
D-0852	08-Aug-89	9	PH1	06-Aug-98	06-Aug-99	04-Apr-00	51.1	12-Jul-00	1.7
D-1124	21-Jun-96	2	PH1	21-Jun-98	21-Jun-99	01-Apr-00	11.9	14-Sep-00	1.8
D-1028	26-Jul-93	5	PH1	25-Jul-98	25-Jul-99	27-Jun-00	18.6	26-Dec-00	1.9

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-0904	03-Oct-90	8	PH1	01-Oct-98	01-Oct-99	13-Oct-00	12.2	27-Dec-00	2.0
Phase I Release in 1 to 2 Year Interval						Total:	926.2	Count:	23
D-1131	30-Oct-96	2	PH1	30-Oct-98	30-Oct-99	19-Dec-00	386.3	21-Mar-01	2.1
D-1079	29-Jun-94	4	PH1	28-Jun-98	28-Jun-99	16-Oct-00	13.4	27-Dec-00	2.3
D-0720	05-Nov-87	10	PH1	02-Nov-97	02-Nov-98	06-Mar-00	34.1	14-Sep-00	2.3
D-1062	11-Mar-94	4	PH1	10-Mar-98	10-Mar-99	27-Jul-00	147.8	14-Sep-00	2.4
D-0096	11-Jan-83	15	PH1	07-Jan-98	07-Jan-99	06-Jun-00	9.0	14-Sep-00	2.4
D-0931	11-Mar-91	7	PH1	09-Mar-98	09-Mar-99	15-Sep-00	25.1	04-Dec-00	2.5
D-1102	24-Feb-95	3	PH1	23-Feb-98	23-Feb-99	05-Dec-00	12.6	22-Feb-01	2.8
D-0702	04-Sep-87	10	PH1	01-Sep-97	01-Sep-98	26-Jun-00	82.2	27-Oct-00	2.8
D-1116	03-Jan-96	2	PH1	02-Jan-98	02-Jan-99	30-Oct-00	28.4	20-Dec-00	2.8
Phase I Release in 2 to 3 Year Interval						Total:	738.9	Count:	9
D-0597	21-Jul-86	11	PH1	18-Jul-97	18-Jul-98	18-Oct-00	11.0	20-Dec-00	3.3
D-1079	29-Jun-94	3	PH1	28-Jun-97	28-Jun-98	16-Oct-00	1.9	27-Dec-00	3.3
D-1034	09-Sep-93	3	PH1	08-Sep-96	08-Sep-97	05-Jun-00	393.8	05-Feb-01	3.7
D-0820	14-Dec-88	7	PH1	13-Dec-95	12-Dec-96	08-May-00	58.3	05-Feb-01	4.4
D-1034	09-Sep-93	2	PH1	09-Sep-95	08-Sep-96	05-Jun-00	167.5	05-Feb-01	4.7
Phase I Release in 3 to 5 Year Interval						Total:	632.5	Count:	5
D-0820	14-Dec-88	6	PH1	13-Dec-94	13-Dec-95	08-May-00	915.6	05-Feb-01	5.4
D-0762	27-Apr-88	7	PH1	26-Apr-95	25-Apr-96	23-Oct-00	0.9	26-Feb-01	5.5
D-1034	09-Sep-93	1	PH1	09-Sep-94	09-Sep-95	05-Jun-00	116.4	05-Feb-01	5.7
D-0192	13-Sep-83	10	PH1	10-Sep-93	10-Sep-94	03-Nov-99	204.5	07-Aug-00	6.2
D-0820	14-Dec-88	5	PH1	13-Dec-93	13-Dec-94	08-May-00	436.8	05-Feb-01	6.4
D-0559	13-Mar-86	8	PH1	11-Mar-94	11-Mar-95	25-Aug-00	282.5	05-Mar-01	6.5
D-0559	13-Mar-86	9	PH1	11-Mar-95	10-Mar-96	25-Aug-01	247.9	05-Mar-01	6.5
D-0559	13-Mar-86	7	PH1	11-Mar-93	11-Mar-94	24-Aug-01	355.2	05-Mar-01	8.5
D-0559	13-Mar-86	6	PH1	11-Mar-92	11-Mar-93	25-Aug-00	474.5	05-Mar-01	8.5
Phase I Release Greater Than 5 Years						Total:	3034.3	Count:	9
Summary Statistics for Phase I Releases Backfilling & Grading Complete						Total Acreage	7,671.6	Releases	91
								Minimum	-0.6
								Average	1.7
								Maximum	8.5
								Std Dev	1.9

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
Phase II Releases									
D-0999	06-Oct-92	8	PH2	04-Oct-00	04-Oct-02	14-Apr-00	32.4	22-Aug-00	-0.5
D-1166	01-May-98	2	PH2	30-Apr-00	30-Apr-02	04-Apr-00	88.6	02-Nov-00	-0.1
D-0950	23-Jul-91	9	PH2	20-Jul-00	20-Jul-02	03-Aug-00	18.2	20-Nov-00	0.0
D-1157	23-Dec-97	2	PH2	23-Dec-99	22-Dec-01	04-Apr-00	33.6	25-Oct-00	0.3
D-1152	10-Oct-97	2	PH2	10-Oct-99	09-Oct-01	17-Mar-00	86.5	25-Jul-00	0.4
D-1004	30-Nov-92	5	PH2	29-Nov-97	29-Nov-99	08-Jun-98	62.5	12-Dec-00	0.5
D-0867	29-Nov-89	8	PH2	27-Nov-97	27-Nov-99	09-Jun-98	51.7	12-Dec-00	0.5
D-1083	30-Jun-94	5	PH2	29-Jun-99	28-Jun-01	17-Jan-00	65.2	12-Dec-00	0.6
D-1089	26-Aug-94	4	PH2	25-Aug-98	24-Aug-00	26-Apr-99	70.0	04-Dec-00	0.7
D-1192	15-Mar-99	1	PH2	14-Mar-00	14-Mar-02	21-Nov-00	16.0	07-Feb-01	0.7
D-0619	09-Oct-86	12	PH2	06-Oct-98	05-Oct-00	01-Jul-99	36.8	26-Jul-00	0.7
D-1187	12-Jan-99	1	PH2	12-Jan-00	11-Jan-02	10-Oct-00	55.2	02-Apr-01	0.7
D-0706	14-Sep-87	12	PH2	11-Sep-99	10-Sep-01	22-Jun-00	15.2	06-Feb-01	0.8
D-1026	22-Jul-93	6	PH2	21-Jul-99	20-Jul-01	11-May-00	24.8	20-Jul-00	0.8
D-0867	29-Nov-89	10	PH2	27-Nov-99	26-Nov-01	20-Sep-00	8.3	20-Apr-01	0.8
D-1153	16-Oct-97	2	PH2	16-Oct-99	15-Oct-01	15-Aug-00	91.7	12-Dec-00	0.8
D-1094	01-Nov-94	5	PH2	31-Oct-99	30-Oct-01	08-Sep-00	57.7	12-Jan-01	0.9
D-1025	19-Jul-93	6	PH2	18-Jul-99	17-Jul-01	13-Jul-00	84.9	17-Nov-00	1.0
D-1169	08-Jul-98	1	PH2	08-Jul-99	07-Jul-01	14-Aug-00	18.5	20-Dec-00	1.1
D-0608	26-Aug-86	13	PH2	23-Aug-99	22-Aug-01	04-Oct-00	8.1	19-Dec-00	1.1
D-1165	22-Apr-98	1	PH2	22-Apr-99	21-Apr-01	05-Jun-00	11.6	28-Jul-00	1.1
D-1170	21-Aug-98	1	PH2	21-Aug-99	20-Aug-01	10-Oct-00	11.6	20-Dec-00	1.1
D-0968	19-Nov-91	7	PH2	17-Nov-98	16-Nov-00	27-Jan-00	29.0	12-Mar-01	1.2
D-1075	17-May-94	5	PH2	16-May-99	15-May-01	28-Jul-00	42.5	29-Sep-00	1.2
D-0445	04-Jan-85	15	PH2	01-Jan-00	31-Dec-01	16-Mar-01	5.7	23-May-01	1.2
D-1137	18-Feb-97	2	PH2	18-Feb-99	17-Feb-01	05-May-00	34.9	20-Jul-00	1.2
D-1142	07-Apr-97	2	PH2	07-Apr-99	06-Apr-01	09-Aug-00	57.1	30-Mar-01	1.3
D-0214	19-Nov-83	15	PH2	15-Nov-98	14-Nov-00	06-Apr-00	31.9	22-Aug-00	1.4
D-0820	14-Dec-88	10	PH2	12-Dec-98	11-Dec-00	08-May-00	155.8	15-Mar-01	1.4
D-1059	13-Jan-94	5	PH2	12-Jan-99	11-Jan-01	15-Jun-00	71.1	26-Jul-00	1.4
D-0867	29-Nov-89	7	PH2	27-Nov-96	27-Nov-98	11-May-98	48.3	12-Dec-00	1.5
D-0241	22-Nov-83	15	PH2	18-Nov-98	17-Nov-00	22-May-00	16.4	02-Nov-00	1.5
D-1004	30-Nov-92	4	PH2	29-Nov-96	29-Nov-98	08-Jun-98	9.3	12-Dec-00	1.5
D-1123	26-Apr-96	2	PH2	26-Apr-98	25-Apr-00	08-Nov-99	30.7	23-Apr-01	1.5
D-1083	30-Jun-94	4	PH2	29-Jun-98	28-Jun-00	17-Jan-00	134.7	20-Dec-00	1.6

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-1162	13-Mar-98	1	PH2	13-Mar-99	12-Mar-01	21-Nov-00	35.7	17-Jan-01	1.7
D-1152	10-Oct-97	1	PH2	10-Oct-98	09-Oct-00	22-Jun-00	50.5	13-Nov-00	1.7
D-0737	17-Feb-88	11	PH2	14-Feb-99	13-Feb-01	14-Nov-00	9.5	02-Mar-01	1.8
D-1095	14-Nov-94	4	PH2	13-Nov-98	12-Nov-00	16-Aug-00	2.8	02-Oct-00	1.8
D-1001	21-Oct-92	6	PH2	20-Oct-98	19-Oct-00	31-Jul-00	7.2	27-Oct-00	1.8
D-1026	22-Jul-93	5	PH2	21-Jul-98	20-Jul-00	11-May-00	14.1	25-Jul-00	1.8
D-0958	29-Aug-91	7	PH2	27-Aug-98	26-Aug-00	22-Jun-00	34.8	24-Oct-00	1.8
D-1151	11-Sep-97	1	PH2	11-Sep-98	10-Sep-00	11-Aug-00	5.9	02-Nov-00	1.9
D-1149	12-Aug-97	1	PH2	12-Aug-98	11-Aug-00	28-Jul-00	9.2	11-Sep-00	2.0
D-0954	05-Aug-91	7	PH2	03-Aug-98	02-Aug-00	28-Jul-00	63.4	07-Nov-00	2.0
D-1154	14-Nov-97	1	PH2	14-Nov-98	13-Nov-00	20-Nov-00	86.0	04-May-01	2.0
D-0904	03-Oct-90	8	PH2	01-Oct-98	30-Sep-00	13-Oct-00	12.2	27-Dec-00	2.0
Phase II Release 0 to 2 Years						Total:	1947.8	Count:	47
D-0608	26-Aug-86	12	PH2	23-Aug-98	22-Aug-00	04-Oct-00	121.5	23-Jan-01	2.1
D-0753	07-Apr-88	10	PH2	05-Apr-98	04-Apr-00	07-Jun-00	40.1	14-Sep-00	2.2
D-1122	22-Apr-96	2	PH2	22-Apr-98	21-Apr-00	30-Jun-00	101.3	02-Mar-01	2.2
D-0931	11-Mar-91	7	PH2	09-Mar-98	08-Mar-00	18-May-00	25.1	04-Dec-00	2.2
D-1025	19-Jul-93	5	PH2	18-Jul-98	17-Jul-00	06-Oct-00	55.8	17-Nov-00	2.2
D-1015	21-May-93	5	PH2	20-May-98	19-May-00	18-Aug-00	43.7	18-Dec-00	2.2
D-0205	06-Oct-83	14	PH2	02-Oct-97	02-Oct-99	26-Jan-00	20.4	14-Dec-00	2.3
D-1142	07-Apr-97	1	PH2	07-Apr-98	06-Apr-00	09-Aug-00	14.2	30-Mar-01	2.3
D-0096	11-Jan-83	15	PH2	07-Jan-98	07-Jan-00	06-Jun-00	9.0	25-Oct-00	2.4
D-0867	29-Nov-89	6	PH2	28-Nov-95	27-Nov-97	11-May-98	28.2	12-Dec-00	2.5
D-0728	30-Dec-87	10	PH2	27-Dec-97	27-Dec-99	03-Jul-00	24.9	20-Sep-00	2.5
D-0939	11-Apr-91	7	PH2	09-Apr-98	08-Apr-00	17-Oct-00	18.5	04-Jun-01	2.5
D-0737	17-Feb-88	10	PH2	14-Feb-98	14-Feb-00	14-Nov-00	25.2	21-Mar-01	2.8
D-1133	16-Dec-96	1	PH2	16-Dec-97	16-Dec-99	13-Oct-00	9.2	07-Feb-01	2.8
D-1037	16-Sep-93	4	PH2	15-Sep-97	15-Sep-99	12-Sep-00	6.8	30-Oct-00	3.0
Phase II Release 2 to 3 Years						Total:	543.9	Count:	15
D-0608	26-Aug-86	11	PH2	23-Aug-97	23-Aug-99	04-Oct-00	78.7	19-Dec-00	3.1
D-0931	11-Mar-91	6	PH2	09-Mar-97	09-Mar-99	18-May-00	86.2	02-Oct-00	3.2
D-0968	19-Nov-91	5	PH2	17-Nov-96	17-Nov-98	27-Jan-00	134.3	14-Dec-00	3.2
D-1025	19-Jul-93	4	PH2	18-Jul-97	18-Jul-99	06-Oct-00	46.8	17-Nov-00	3.2
D-0205	06-Oct-83	13	PH2	02-Oct-96	02-Oct-98	26-Jan-00	11.0	14-Dec-00	3.3
D-1103	01-Mar-95	2	PH2	28-Feb-97	28-Feb-99	05-Jul-00	33.2	20-Sep-00	3.4
D-0867	29-Nov-89	5	PH2	28-Nov-94	27-Nov-96	11-May-98	76.8	12-Dec-00	3.5

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-1004	30-Nov-92	2	PH2	30-Nov-94	29-Nov-96	08-Jun-98	37.0	12-Dec-00	3.5
D-1111	29-Sep-95	1	PH2	28-Sep-96	28-Sep-98	19-Apr-00	11.5	25-Oct-00	3.6
D-1034	09-Sep-93	3	PH2	08-Sep-96	08-Sep-98	05-Jun-00	393.8	05-Feb-01	3.7
D-0922	16-Jan-91	6	PH2	14-Jan-97	14-Jan-99	26-Oct-00	188.2	15-Mar-01	3.8
D-0199	29-Sep-83	13	PH2	25-Sep-96	25-Sep-98	10-Jul-00	13.4	24-Aug-00	3.8
D-0665	15-Apr-87	9	PH2	12-Apr-96	12-Apr-98	28-Feb-00	14.5	26-Jul-00	3.9
D-1099	11-Jan-95	1	PH2	11-Jan-96	10-Jan-98	22-Dec-99	6.5	24-Aug-00	3.9
Phase II Release 3 to 4 Years						Total:	1131.9	Count:	14
D-0689	30-Jul-87	9	PH2	27-Jul-96	27-Jul-98	15-Aug-00	113.0	27-Oct-00	4.1
D-0931	11-Mar-91	5	PH2	09-Mar-96	09-Mar-98	18-May-00	52.6	08-Dec-00	4.2
D-0404	10-Sep-84	11	PH2	08-Sep-95	07-Sep-97	14-Dec-99	68.2	25-Jul-00	4.3
D-0820	14-Dec-88	7	PH2	13-Dec-95	12-Dec-97	08-May-00	58.3	05-Feb-01	4.4
D-0867	29-Nov-89	4	PH2	28-Nov-93	28-Nov-95	11-May-98	85.7	12-Dec-00	4.5
D-1088	17-Aug-94	1	PH2	17-Aug-95	16-Aug-97	28-Jan-00	3.2	11-Dec-00	4.5
D-0720	05-Nov-87	9	PH2	02-Nov-96	02-Nov-98	23-May-01	5.8	02-May-01	4.6
D-0728	30-Dec-87	8	PH2	28-Dec-95	27-Dec-97	19-Sep-00	2.5	20-Sep-00	4.7
D-0922	16-Jan-91	5	PH2	15-Jan-96	14-Jan-98	13-Dec-00	7.3	22-Feb-01	4.9
Phase II Release 4 to 5 Years						Total:	396.6	Count:	9
D-0820	14-Dec-88	6	PH2	13-Dec-94	12-Dec-96	08-May-00	915.6	13-Feb-01	5.4
D-0867	29-Nov-89	3	PH2	28-Nov-92	28-Nov-94	11-May-98	45.2	12-Dec-00	5.5
D-0762	27-Apr-88	7	PH2	26-Apr-95	25-Apr-97	23-Oct-00	0.9	26-Feb-01	5.5
D-0728	30-Dec-87	7	PH2	28-Dec-94	27-Dec-96	03-Jul-00	2.5	20-Sep-00	5.5
D-1034	09-Sep-93	2	PH2	09-Sep-95	08-Sep-97	05-Jun-01	167.5	05-Feb-01	5.7
D-0737	17-Feb-88	7	PH2	15-Feb-95	14-Feb-97	14-Nov-00	41.2	21-Mar-01	5.8
D-0619	09-Oct-86	8	PH2	07-Oct-94	06-Oct-96	16-Oct-00	49.2	12-Jan-01	6.0
Phase II Release 5 to 6 Years						Total:	1222.1	Count:	7
D-0873	22-Jan-90	4	PH2	21-Jan-94	21-Jan-96	28-Feb-00	52.3	26-Jul-00	6.1
D-0931	11-Mar-91	3	PH2	10-Mar-94	09-Mar-96	18-May-00	10.3	12-Oct-00	6.2
D-0852	08-Aug-89	5	PH2	07-Aug-94	06-Aug-96	01-Nov-00	5.7	12-Jan-01	6.2
D-0404	10-Sep-84	10	PH2	08-Sep-94	07-Sep-96	14-Dec-00	19.0	25-Jul-00	6.3
D-0820	14-Dec-88	5	PH2	13-Dec-93	13-Dec-95	08-May-00	436.8	05-Feb-01	6.4
D-0867	29-Nov-89	2	PH2	29-Nov-91	28-Nov-93	11-May-98	68.5	12-Dec-00	6.5
D-0559	13-Mar-86	8	PH2	11-Mar-94	10-Mar-96	25-Aug-00	282.5	05-Mar-01	6.5
D-0939	11-Apr-91	3	PH2	10-Apr-94	09-Apr-96	17-Oct-00	1.8	04-Jun-01	6.5
D-1004	30-Nov-92	1	PH2	30-Nov-93	30-Nov-95	08-Jun-00	4.0	21-Sep-00	6.5
D-1034	09-Sep-93	1	PH2	09-Sep-94	08-Sep-96	05-Jun-01	116.4	05-Feb-01	6.7

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-0922	16-Jan-91	3	PH2	15-Jan-94	15-Jan-96	30-Oct-00	40.3	18-Jan-01	6.8
D-0689	30-Jul-87	6	PH2	28-Jul-93	28-Jul-95	15-Aug-00	378.0	25-Oct-00	7.1
D-0867	29-Nov-89	1	PH2	29-Nov-90	28-Nov-92	11-May-98	9.8	12-Dec-00	7.5
D-0559	13-Mar-86	7	PH2	11-Mar-93	11-Mar-95	24-Aug-00	355.2	05-Mar-01	7.5
D-0939	11-Apr-91	2	PH2	10-Apr-93	10-Apr-95	17-Oct-00	3.9	04-Jun-01	7.5
D-0922	16-Jan-91	2	PH2	15-Jan-93	15-Jan-95	30-Oct-00	39.6	18-Jan-01	7.8
D-0634	11-Dec-86	5	PH2	10-Dec-91	09-Dec-93	28-May-00	20.4	06-Jul-00	8.5
D-0559	13-Mar-86	6	PH2	11-Mar-92	11-Mar-94	24-Aug-01	474.5	05-Mar-01	9.5
D-0032	16-Aug-82	8	PH2	14-Aug-90	13-Aug-92	15-May-00	13.5	11-Jul-00	9.8
D-0684	19-Jun-87	3	PH2	18-Jun-90	17-Jun-92	23-Oct-00	1.7	26-Feb-01	10.4
D-0619	09-Oct-86	4	PH2	08-Oct-90	07-Oct-92	16-Oct-01	7.6	12-Jan-01	11.0
D-0634	11-Dec-86	1	PH2	11-Dec-87	10-Dec-89	26-May-99	28.2	06-Jul-00	11.5
D-0032	16-Aug-82	6	PH2	14-Aug-88	14-Aug-90	15-May-00	11.5	11-Jul-00	11.8
D-0032	16-Aug-82	5	PH2	15-Aug-87	14-Aug-89	15-May-00	7.9	11-Jul-00	12.8
D-0032	16-Aug-82	4	PH2	15-Aug-86	14-Aug-88	15-May-00	8.3	11-Jul-00	13.8
Phase II Release Greater Than 6 Years						Total:	2397.7	Count:	25
Summary Statistics for Phase II Releases Vegetation Established						Total Acreage	7,640.0	Releases	117
								Minimum	-0.5
								Average	3.6
								Maximum	13.8
								Std Dev	3.0
Phase III Releases									
D-0829	20-Mar-89	10	PH3	17-Mar-01	16-Mar-07	13-Oct-00	41.8	15-Mar-01	-0.6
D-0807	15-Nov-88	10	PH3	13-Nov-98	11-Nov-04	27-Oct-00	10.2	02-May-01	2.0
D-1087	17-Aug-94	4	PH3	16-Aug-98	14-Aug-04	31-Aug-00	7.0	14-Dec-00	2.0
D-1038	17-Sep-93	5	PH3	16-Sep-98	14-Sep-04	29-Oct-00	30.6	31-Jan-01	2.1
D-0096	11-Jan-83	15	PH3	07-Jan-98	06-Jan-04	06-Jun-00	9.0	25-Oct-00	2.4
D-1003	25-Nov-92	5	PH3	24-Nov-97	23-Nov-03	04-Aug-00	4.9	03-Oct-00	2.7
D-1038	17-Sep-93	4	PH3	16-Sep-97	15-Sep-03	09-Jun-00	33.2	04-Dec-00	2.7
D-1068	12-Apr-94	3	PH3	11-Apr-97	10-Apr-03	13-Mar-00	17.9	22-Aug-00	2.9
D-0793	14-Sep-88	9	PH3	12-Sep-97	11-Sep-03	15-Aug-00	58.5	20-Dec-00	2.9
D-0728	30-Dec-87	9	PH3	27-Dec-96	26-Dec-02	03-Jul-00	1.7	20-Sep-00	3.5
D-1086	08-Aug-94	2	PH3	07-Aug-96	06-Aug-02	13-Mar-00	19.8	22-Aug-00	3.6
D-1003	25-Nov-92	4	PH3	24-Nov-96	23-Nov-02	11-Aug-00	32.5	06-Oct-00	3.7
D-1087	17-Aug-94	2	PH3	16-Aug-96	15-Aug-02	31-Aug-00	7.4	14-Dec-00	4.0

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-0609	26-Aug-86	10	PH3	23-Aug-96	22-Aug-02	12-Oct-00	11.4	20-Dec-00	4.1
D-0056	16-Aug-82	13	PH3	13-Aug-95	11-Aug-01	07-Dec-99	17.7	10-Oct-00	4.3
D-0096	11-Jan-83	13	PH3	08-Jan-96	06-Jan-02	06-Jun-00	113.0	25-Oct-00	4.4
D-1064	21-Mar-94	2	PH3	20-Mar-96	19-Mar-02	05-Sep-00	25.7	04-Dec-00	4.5
D-0762	27-Apr-88	8	PH3	25-Apr-96	24-Apr-02	23-Oct-00	9.9	26-Feb-01	4.5
D-0944	20-May-91	5	PH3	18-May-96	17-May-02	24-Jan-01	0.1	06-Mar-01	4.7
D-0217	24-Dec-83	12	PH3	21-Dec-95	19-Dec-01	20-Oct-00	120.5	08-Dec-00	4.8
D-0429	22-Oct-84	11	PH3	20-Oct-95	18-Oct-01	22-Aug-00	5.3	07-Feb-01	4.8
D-0793	14-Sep-88	7	PH3	13-Sep-95	11-Sep-01	28-Jul-00	79.1	20-Dec-00	4.9
D-0987	19-Jun-92	3	PH3	19-Jun-95	17-Jun-01	10-May-00	16.9	24-Jul-00	4.9
D-1055	14-Dec-93	1	PH3	14-Dec-94	12-Dec-00	08-Nov-99	11.5	17-Jul-00	4.9
D-1037	16-Sep-93	2	PH3	16-Sep-95	14-Sep-01	11-Aug-00	4.7	20-Dec-00	4.9
D-0995	08-Sep-92	3	PH3	08-Sep-95	06-Sep-01	04-Aug-00	84.4	20-Dec-00	4.9
D-0796	23-Sep-88	7	PH3	22-Sep-95	20-Sep-01	22-Aug-00	39.9	23-Oct-00	4.9
D-1046	07-Oct-93	2	PH3	07-Oct-95	05-Oct-01	07-Sep-00	72.7	20-Dec-00	4.9
D-0917	07-Dec-90	4	PH3	06-Dec-94	04-Dec-00	16-Nov-99	2.5	14-Jul-00	4.9
D-0701	02-Sep-87	8	PH3	31-Aug-95	29-Aug-01	21-Aug-00	11.8	23-Oct-00	5.0
D-0829	20-Mar-89	7	PH3	18-Mar-96	17-Mar-02	15-Mar-01	67.5	15-Mar-01	5.0
D-1087	17-Aug-94	1	PH3	17-Aug-95	15-Aug-01	24-Aug-00	16.4	14-Dec-00	5.0
D-1036	09-Sep-93	2	PH3	09-Sep-95	07-Sep-01	22-Sep-00	62.0	16-Nov-00	5.0
D-0978	20-Mar-92	3	PH3	20-Mar-95	18-Mar-01	04-Apr-00	35.1	13-Nov-00	5.0
Phase III Release Greater than 0 to 5 Years						Total:	1082.6	Count:	34
D-0689	30-Jul-87	8	PH3	28-Jul-95	26-Jul-01	15-Aug-00	44.1	05-Dec-00	5.1
D-0205	06-Oct-83	12	PH3	03-Oct-95	01-Oct-01	16-Nov-00	15.7	05-Jan-01	5.1
D-0990	06-Aug-92	3	PH3	06-Aug-95	04-Aug-01	20-Sep-00	32.4	14-Dec-00	5.1
D-0997	02-Oct-92	3	PH3	02-Oct-95	30-Sep-01	16-Nov-00	62.3	27-Mar-01	5.1
D-0609	26-Aug-86	9	PH3	24-Aug-95	22-Aug-01	11-Oct-00	52.3	12-Dec-00	5.1
D-0960	20-Sep-91	3	PH3	19-Sep-94	17-Sep-00	08-Nov-99	98.9	16-Jan-01	5.1
D-1031	19-Aug-93	2	PH3	19-Aug-95	17-Aug-01	17-Oct-00	64.9	19-Jan-01	5.2
D-0960	20-Sep-91	4	PH3	19-Sep-95	17-Sep-01	22-Nov-00	96.4	16-Jan-01	5.2
D-1035	09-Sep-93	2	PH3	09-Sep-95	07-Sep-01	28-Nov-00	35.6	28-Nov-00	5.2
D-1054	01-Dec-93	2	PH3	01-Dec-95	29-Nov-01	20-Feb-01	8.1	04-Jun-01	5.2
D-0946	03-Jun-91	4	PH3	02-Jun-95	31-May-01	20-Sep-00	35.7	14-Dec-00	5.3
D-1076	23-May-94	1	PH3	23-May-95	21-May-01	19-Oct-00	14.2	20-Dec-00	5.4
D-0878	26-Feb-90	5	PH3	25-Feb-95	23-Feb-01	25-Jul-00	50.1	23-Oct-00	5.4
D-1064	21-Mar-94	1	PH3	21-Mar-95	19-Mar-01	05-Sep-00	34.3	04-Dec-00	5.5
D-0829	20-Mar-89	6	PH3	19-Mar-95	17-Mar-01	13-Oct-00	176.2	15-Mar-01	5.6

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D-0944	20-May-91	4	PH3	19-May-95	17-May-01	24-Jan-01	23.8	06-Mar-01	5.7
D-0901	17-Sep-90	4	PH3	16-Sep-94	14-Sep-00	12-Jun-00	117.6	19-Sep-00	5.7
D-1034	09-Sep-93	1	PH3	09-Sep-94	07-Sep-00	05-Jun-00	116.4	05-Mar-01	5.7
D-1035	09-Sep-93	1	PH3	09-Sep-94	07-Sep-00	06-Jun-00	21.3	28-Jul-00	5.7
D-0533	13-Dec-85	9	PH3	11-Dec-94	09-Dec-00	15-Sep-00	119.4	07-Nov-00	5.8
D-0706	14-Sep-87	7	PH3	12-Sep-94	10-Sep-00	30-Jun-00	37.2	19-Dec-00	5.8
D-0208	07-Oct-83	11	PH3	04-Oct-94	02-Oct-00	01-Aug-00	76.8	11-Dec-00	5.8
D-0964	28-Oct-91	3	PH3	27-Oct-94	25-Oct-00	06-Sep-00	106.6	05-Dec-00	5.9
D-0793	14-Sep-88	6	PH3	13-Sep-94	11-Sep-00	02-Aug-00	35.3	21-Dec-00	5.9
D-1046	07-Oct-93	1	PH3	07-Oct-94	05-Oct-00	07-Sep-00	24.4	20-Dec-00	5.9
D-0631	13-Nov-86	7	PH3	11-Nov-93	10-Nov-99	22-Oct-99	28.5	07-Aug-00	5.9
D-0917	07-Dec-90	3	PH3	06-Dec-93	05-Dec-99	16-Nov-99	11.5	14-Jul-00	5.9
D-0632	28-Nov-86	7	PH3	26-Nov-93	25-Nov-99	08-Nov-99	22.4	27-Jul-00	6.0
D-1031	19-Aug-93	1	PH3	19-Aug-94	17-Aug-00	16-Aug-00	16.4	12-Dec-00	6.0
D-0978	20-Mar-92	2	PH3	20-Mar-94	18-Mar-00	04-Apr-00	75.5	13-Nov-00	6.0
Phase III Release Greater than 5 to 6 Years						Total:	1654.3	Count:	30
D-1053	19-Nov-93	1	PH3	19-Nov-94	17-Nov-00	11-Dec-00	62.6	16-Feb-01	6.1
D-0205	06-Oct-83	10	PH3	03-Oct-93	02-Oct-99	01-Nov-99	141.6	03-May-01	6.1
D-0963	25-Oct-91	2	PH3	24-Oct-93	23-Oct-99	22-Nov-99	12.1	22-Jun-01	6.1
D-0989	20-Jul-92	2	PH3	20-Jul-94	18-Jul-00	21-Aug-00	14.8	19-Dec-00	6.1
D-0989	20-Jul-92	3	PH3	20-Jul-95	18-Jul-01	21-Aug-01	8.4	29-Dec-00	6.1
D-0997	02-Oct-92	2	PH3	02-Oct-94	30-Sep-00	16-Nov-00	28.6	27-Mar-01	6.1
D-0960	20-Sep-91	2	PH3	19-Sep-93	18-Sep-99	08-Nov-99	58.5	16-Jan-01	6.1
D-0612	29-Aug-86	8	PH3	27-Aug-94	25-Aug-00	29-Oct-00	29.0	27-Dec-00	6.2
D-1025	19-Jul-93	1	PH3	19-Jul-94	17-Jul-00	28-Sep-00	33.1	06-Feb-01	6.2
D-0691	06-Aug-87	7	PH3	04-Aug-94	02-Aug-00	19-Oct-00	141.4	12-Jan-01	6.2
D-1054	01-Dec-93	1	PH3	01-Dec-94	29-Nov-00	20-Feb-01	3.4	04-Jun-01	6.2
D-0852	08-Aug-89	5	PH3	07-Aug-94	05-Aug-00	01-Nov-00	88.5	12-Jan-01	6.2
D-0852	08-Aug-89	5	PH3	07-Aug-94	05-Aug-00	01-Nov-00	5.7	12-Jan-01	6.2
D-0997	02-Oct-92	1	PH3	02-Oct-93	01-Oct-99	27-Jan-00	46.9	12-Oct-00	6.3
D-0878	26-Feb-90	4	PH3	25-Feb-94	24-Feb-00	25-Jul-00	17.9	23-Oct-00	6.4
D-1012	09-Apr-93	1	PH3	09-Apr-94	07-Apr-00	14-Sep-00	45.5	16-Feb-01	6.4
D-0762	27-Apr-88	7	PH3	26-Apr-95	24-Apr-01	23-Oct-01	53.5	26-Feb-01	6.5
D-0939	11-Apr-91	3	PH3	10-Apr-94	08-Apr-00	17-Oct-00	1.8	04-Jun-01	6.5
D-0947	05-Jun-91	2	PH3	04-Jun-93	03-Jun-99	19-Jan-00	8.2	28-Sep-00	6.6
D-0262	13-Jan-84	10	PH3	10-Jan-94	09-Jan-00	28-Aug-00	58.8	02-Mar-01	6.6
D-0262	13-Jan-84	11	PH3	10-Jan-95	08-Jan-01	28-Aug-01	122.4	02-Mar-01	6.6

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-0827	13-Mar-89	5	PH3	12-Mar-94	10-Mar-00	14-Nov-00	2.6	26-Dec-00	6.7
D-0944	20-May-91	3	PH3	19-May-94	17-May-00	24-Jan-01	19.9	06-Mar-01	6.7
D-0796	23-Sep-88	5	PH3	22-Sep-93	21-Sep-99	06-Jun-00	48.1	07-Aug-00	6.7
D-0870	21-Dec-89	4	PH3	20-Dec-93	19-Dec-99	05-Sep-00	36.9	12-Jan-01	6.7
D-0737	17-Feb-88	6	PH3	15-Feb-94	14-Feb-00	14-Nov-00	18.8	21-Mar-01	6.8
D-0996	24-Sep-92	1	PH3	24-Sep-93	23-Sep-99	06-Jul-00	24.9	20-Sep-00	6.8
D-1004	30-Nov-92	1	PH3	30-Nov-93	29-Nov-99	21-Sep-00	4.0	21-Sep-00	6.8
D-0921	02-Jan-91	3	PH3	01-Jan-94	31-Dec-99	06-Nov-00	16.1	19-Jun-01	6.9
D-0964	28-Oct-91	2	PH3	27-Oct-93	26-Oct-99	06-Sep-00	69.7	05-Dec-00	6.9
D-0917	07-Dec-90	2	PH3	06-Dec-92	05-Dec-98	16-Nov-99	8.8	14-Jul-00	6.9
D-0619	09-Oct-86	7	PH3	07-Oct-93	06-Oct-99	16-Oct-00	50.9	12-Jan-01	7.0
Phase III Release Greater than 6 to 7 Years						Total:	1283.4	Count:	32
D-0897	16-Aug-90	3	PH3	15-Aug-93	14-Aug-99	01-Sep-00	33.0	20-Dec-00	7.1
D-0689	30-Jul-87	6	PH3	28-Jul-93	27-Jul-99	15-Aug-00	378.0	11-Dec-00	7.1
D-0898	20-Aug-90	3	PH3	19-Aug-93	18-Aug-99	06-Sep-00	24.4	05-Dec-00	7.1
D-0963	25-Oct-91	1	PH3	24-Oct-92	23-Oct-98	22-Nov-99	9.0	26-Dec-00	7.1
D-0987	19-Jun-92	1	PH3	19-Jun-93	18-Jun-99	24-Jul-00	17.0	24-Jul-00	7.1
D-0207	07-Oct-83	10	PH3	04-Oct-93	03-Oct-99	21-Nov-00	27.8	23-May-01	7.1
D-0612	29-Aug-86	7	PH3	27-Aug-93	26-Aug-99	19-Oct-00	24.7	27-Dec-00	7.2
D-0309	10-May-84	9	PH3	08-May-93	07-May-99	28-Jul-00	34.3	14-Dec-00	7.2
D-0404	10-Sep-84	9	PH3	08-Sep-93	07-Sep-99	14-Dec-00	15.7	25-Jul-00	7.3
D-0878	26-Feb-90	3	PH3	25-Feb-93	24-Feb-99	25-Jul-00	12.9	23-Oct-00	7.4
D-0270	24-Jan-84	9	PH3	21-Jan-93	20-Jan-99	01-Jul-00	3.9	14-Sep-00	7.4
D-0728	30-Dec-87	5	PH3	28-Dec-92	27-Dec-98	03-Jul-00	1.2	20-Sep-00	7.5
D-0634	11-Dec-86	5	PH3	10-Dec-91	08-Dec-97	13-Jul-99	20.4	16-Jul-00	7.6
D-0947	05-Jun-91	1	PH3	04-Jun-92	03-Jun-98	19-Jan-00	12.8	28-Sep-00	7.6
D-0262	13-Jan-84	9	PH3	10-Jan-93	09-Jan-99	28-Aug-00	90.7	05-Mar-01	7.6
D-0826	06-Mar-89	3	PH3	05-Mar-92	04-Mar-98	10-Nov-99	232.2	07-Aug-00	7.7
D-0870	21-Dec-89	3	PH3	20-Dec-92	19-Dec-98	05-Sep-00	22.2	12-Jan-01	7.7
D-0768	31-May-88	5	PH3	30-May-93	29-May-99	15-Feb-01	11.7	24-May-01	7.7
D-0737	17-Feb-88	5	PH3	15-Feb-93	14-Feb-99	14-Nov-00	26.1	21-Mar-01	7.8
D-0533	13-Dec-85	7	PH3	11-Dec-92	10-Dec-98	15-Sep-00	7.8	07-Nov-00	7.8
D-0921	02-Jan-91	2	PH3	01-Jan-93	31-Dec-98	06-Nov-00	10.7	19-Jun-01	7.9
D-0964	28-Oct-91	1	PH3	27-Oct-92	26-Oct-98	06-Sep-00	26.9	05-Dec-00	7.9
D-0736	16-Feb-88	2	PH3	15-Feb-90	14-Feb-96	09-Jan-98	2.9	15-May-01	7.9
D-0619	09-Oct-86	6	PH3	07-Oct-92	06-Oct-98	16-Oct-00	50.3	12-Jan-01	8.0

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
Phase III Release Greater than 7 to 8 Years						Total:	1096.6	Count:	24
D-0689	30-Jul-87	5	PH3	28-Jul-92	27-Jul-98	15-Aug-00	140.9	05-Dec-00	8.1
D-0898	20-Aug-90	2	PH3	19-Aug-92	18-Aug-98	06-Sep-00	61.7	05-Dec-00	8.1
D-0205	06-Oct-83	8	PH3	04-Oct-91	02-Oct-97	01-Nov-99	63.9	12-Dec-00	8.1
D-0612	29-Aug-86	6	PH3	27-Aug-92	26-Aug-98	19-Oct-00	17.0	27-Dec-00	8.2
D-0404	10-Sep-84	7	PH3	09-Sep-91	07-Sep-97	14-Dec-99	10.5	25-Jul-00	8.3
D-0096	11-Jan-83	9	PH3	09-Jan-92	07-Jan-98	06-Jun-00	14.3	25-Oct-00	8.4
D-0559	13-Mar-86	6	PH3	11-Mar-92	10-Mar-98	25-Aug-00	474.5	05-Mar-01	8.5
D-0939	11-Apr-91	2	PH3	10-Apr-93	09-Apr-99	17-Oct-01	3.9	04-Jun-01	8.5
D-0695	17-Aug-87	4	PH3	16-Aug-91	14-Aug-97	04-May-00	21.6	21-Dec-00	8.7
D-0864	19-Oct-89	2	PH3	19-Oct-91	17-Oct-97	25-Jul-00	14.5	14-Dec-00	8.8
D-0780	18-Jul-88	3	PH3	18-Jul-91	16-Jul-97	23-May-00	16.3	26-Jul-00	8.9
D-0736	16-Feb-88	1	PH3	15-Feb-89	14-Feb-95	09-Jan-98	5.7	14-May-01	8.9
D-0631	13-Nov-86	4	PH3	12-Nov-90	10-Nov-96	02-Nov-99	23.1	27-Jul-00	9.0
D-0023	16-Aug-82	9	PH3	14-Aug-91	12-Aug-97	22-Aug-00	22.0	24-Oct-00	9.0
Phase III Release Greater than 8 to 9 Years						Total:	889.9	Count:	14
D-0898	20-Aug-90	1	PH3	20-Aug-91	18-Aug-97	06-Sep-00	30.6	05-Dec-00	9.1
D-0897	16-Aug-90	1	PH3	16-Aug-91	14-Aug-97	07-Sep-00	22.8	20-Dec-00	9.1
D-0205	06-Oct-83	9	PH3	03-Oct-92	02-Oct-98	01-Nov-01	139.4	03-May-01	9.1
D-0736	16-Feb-88	3	PH3	15-Feb-91	13-Feb-97	24-Apr-00	1.7	15-May-01	9.2
D-0404	10-Sep-84	6	PH3	09-Sep-90	07-Sep-96	14-Dec-99	15.0	25-Jul-00	9.3
D-0374	10-Jul-84	6	PH3	09-Jul-90	07-Jul-96	27-Mar-00	1.6	25-Oct-00	9.7
D-0695	17-Aug-87	3	PH3	16-Aug-90	14-Aug-96	04-May-00	5.8	21-Dec-00	9.7
D-0194	21-Sep-83	7	PH3	19-Sep-90	17-Sep-96	08-Jul-00	12.4	10-Apr-01	9.8
D-0619	09-Oct-86	5	PH3	08-Oct-91	06-Oct-97	16-Oct-01	20.6	12-Jan-01	10.0
D-0904	03-Oct-90	1	PH3	03-Oct-91	01-Oct-97	13-Oct-01	5.2	27-Dec-00	10.0
Phase III Release Greater than 9 to 10 Years						Total:	255.1	Count:	10
D-0867	29-Nov-89	1	PH3	29-Nov-90	27-Nov-96	16-Jan-01	9.8	19-Jan-01	10.1
D-0776	07-Jul-88	2	PH3	07-Jul-90	05-Jul-96	01-Oct-00	16.2	01-Aug-00	10.2
D-0737	17-Feb-88	2	PH3	16-Feb-90	15-Feb-96	11-Jul-00	32.4	24-Aug-00	10.4
D-0374	10-Jul-84	5	PH3	09-Jul-89	08-Jul-95	27-Mar-00	4.4	25-Oct-00	10.7
D-0695	17-Aug-87	2	PH3	16-Aug-89	15-Aug-95	04-May-00	8.0	21-Dec-00	10.7
D-0023	16-Aug-82	7	PH3	14-Aug-89	13-Aug-95	27-Jun-00	206.7	02-Oct-00	10.9
D-0023	16-Aug-82	7	PH3	14-Aug-89	13-Aug-95	22-Aug-00	0.3	24-Oct-00	11.0
D-0219	26-Dec-83	6	PH3	24-Dec-89	23-Dec-95	21-Mar-01	9.8	05-Jun-01	11.2
D-0333	14-May-84	5	PH3	13-May-89	12-May-95	05-Sep-00	8.6	25-Sep-00	11.3

Permit Number	Permit Issued	Yearly Segment	Phase of Release	Date Segment Identified for Reclamation	Date Release Request is Due	Date Operator Submitted Release Request	Acreage in Segment	Date Release Approved by DMRM	Years Between Date Segment Identified & Date Operator Submitted Request
D-0684	19-Jun-87	3	PH3	18-Jun-90	16-Jun-96	12-Oct-01	1.7	26-Feb-01	11.3
D-0264	18-Jan-84	5	PH3	16-Jan-89	15-Jan-95	25-Sep-00	4.6	23-Mar-01	11.7
D-0374	10-Jul-84	4	PH3	09-Jul-88	08-Jul-94	27-Mar-00	12.4	25-Oct-00	11.7
D-0619	09-Oct-86	3	PH3	08-Oct-89	07-Oct-95	13-Oct-01	180.1	12-Jan-01	12.0
D-0634	11-Dec-86	1	PH3	11-Dec-87	09-Dec-93	13-Jul-00	28.2	06-Jul-00	12.6
D-0269	23-Jan-84	3	PH3	22-Jan-87	20-Jan-93	25-Oct-99	15.1	23-Jan-01	12.8
D-0023	16-Aug-82	5	PH3	15-Aug-87	13-Aug-93	22-Aug-00	11.6	24-Oct-00	13.0
D-0282	24-Feb-84	3	PH3	23-Feb-87	21-Feb-93	22-Sep-00	14.1	19-Jun-01	13.6
D-0219	26-Dec-83	1	PH3	25-Dec-84	24-Dec-90	15-Mar-01	18.5	05-Jun-01	16.2
Phase III Release Greater than 10 Years						Total:	582.5	Count:	18
Summary Statistics for Phase III Releases Successful Reclamation						Total	6,844.4	Releases	162
								Minimum	-0.6
								Average	6.9
								Maximum	16.2
								Std Dev	2.5

Appendix V
Permits Not Inactive Two Years After Final Map

Permit	Permittee	Permit Issued	Status	Final Map
D-1030	OXFORD MINING CO INC	8/9/1993	A	8/8/1999
D-1028	HOLMES LIMESTONE CO	7/26/1993	A	7/26/1999
D-1011	CAPSTONE	3/24/1993	A	7/7/1999
D-1082	SUNNYDALE MINING	6/30/1994	A	6/29/1999
D-1177	J M MINING & RECLAMATION	10/9/1998	A	6/24/1999
D-0321	CENTRAL OHIO COAL CO	4/30/1984	A	4/29/1999
D-0753	MARIETTA COAL CO	4/7/1988	A	3/19/1999
D-1139	COPPERHEAD COAL CO	3/18/1997	A	3/17/1999
D-1118	NORTHSHORE COAL INC	3/14/1996	A	3/13/1999
D-1029	MARIETTA COAL CO	7/27/1993	A	2/15/1999
D-1067	CRAVAT COAL CO	4/11/1994	A	2/1/1999
D-1146	HOLMES LIMESTONE CO	6/16/1997	A	1/19/1999
D-1055	BUCKEYE INDUSTRIAL MINING	12/14/1993	A	11/18/1998
D-0261	CENTRAL OHIO COAL CO	1/13/1984	A	9/22/1998
D-0056	CENTRAL OHIO COAL CO	8/16/1982	A	9/21/1998
D-1111	C & E COAL INC	9/29/1995	A	9/1/1998
D-0907	R T G INC	10/10/1990	A	8/28/1998
D-1043	BUCKEYE INDUSTRIAL MINING	9/30/1993	A	5/13/1998
D-1102	BLACK GOLD RECOVERY INC	2/24/1995	A	2/23/1998
D-1092	HOLMES LIMESTONE CO	9/29/1994	A	10/27/1997
D-1109	HOLMES LIMESTONE CO	9/20/1995	A	5/30/1997
D-0742	MARIETTA COAL CO	3/1/1988	A	1/24/1997
D-0963	KIMBLE CLAY & LIMESTONE	10/25/1991	A	10/25/1996
D-1012	CAPSTONE	4/9/1993	A	9/12/1996
D-0374	THOMPSON BROTHERS MINING	7/10/1984	A	7/9/1996
D-0146	CAPSTONE HOLDING CO	5/17/1983	A	5/18/1996
D-0404	WEIRTON CONSTRUCTION CO	9/10/1984	A	3/21/1996
D-0908	CAPSTONE HOLDING CO	10/15/1990	A	10/14/1995
D-0023	PEABODY COAL CO	8/16/1982	A	8/15/1995
D-1072	MILLER MINING INC	5/5/1994	A	6/30/1995
D-0559	CENTRAL OHIO COAL CO	3/13/1986	A	3/12/1995
D-0088	MARIETTA COAL CO	12/21/1982	A	12/20/1994
D-0325	PEABODY COAL CO	5/2/1984	A	5/1/1994
D-0248	CROOKSVILLE COAL CO INC	12/8/1983	A	12/7/1993
D-0032	D & D MINING CO	8/16/1982	A	6/11/1992
D-0107	BELVILLE MINING CO	2/23/1983	A	8/26/1991
D-0764	JOHN GLENN MINING CO	4/30/1988	A	8/6/1991
D-0379	D & D MINING CO	7/13/1984	A	9/11/1989

Status: A – active, the entire site has **not** achieved Phase II bond release.

Appendix VI
Permits Not Retired Six years After Final Map

Permit	Permittee	Permit Issued	Status	Final Map	Inactive
D-0921	KIMBLE CLAY & LIMESTONE	1/2/1991	IN	7/28/1995	3/24/1998
D-0773	OHIO RIVER COLLIERIES CO	6/16/1988	IN	7/25/1995	8/25/1995
D-1027	CAPSTONE	7/23/1993	IN	7/22/1995	11/10/1997
D-0533	HOLMES LIMESTONE CO	12/13/1985	IN	7/20/1995	4/22/1998
D-1072	MILLER MINING INC	5/5/1994	A	6/30/1995	/ /
D-1060	CAPSTONE HOLDING CO	2/23/1994	IN	6/7/1995	10/22/1997
D-0771	MARIETTA COAL CO	6/7/1988	IN	6/7/1995	9/21/1998
D-0126	D & L CONTRACTORS INC	4/1/1983	IN	3/31/1995	1/21/1997
D-0559	CENTRAL OHIO COAL CO	3/13/1986	A	3/12/1995	/ /
D-1036	MARIETTA COAL CO	9/9/1993	A	3/1/1995	11/16/2000
D-0993	SUGARCREEK CLAY & LIMESTONE	9/2/1992	IN	2/22/1995	2/24/1998
D-1008	JOHN GLENN MINING CO	1/15/1993	IN	1/15/1995	9/24/1996
D-1006	ANTHONY MINING CO INC	12/31/1992	IN	12/30/1994	5/15/1997
D-1039	HOLMES LIMESTONE CO	9/24/1993	IN	12/24/1994	8/31/1999
D-0088	MARIETTA COAL CO	12/21/1982	A	12/20/1994	/ /
D-0247	BOICH MINING CO INC	5/29/1984	IN	12/5/1994	9/24/1998
D-0328	SAGINAW MINING CO	5/3/1984	IN	10/5/1994	4/28/1997
D-0591	BUCKEYE INDUSTRIAL MINING	6/19/1986	IN	7/30/1994	10/25/1996
D-0327	ANTHONY MINING CO INC	5/2/1984	IN	7/20/1994	7/26/1998
D-0845	MARIETTA COAL CO	6/28/1989	IN	6/28/1994	7/25/1997
D-0842	ANCO MINING INC	6/6/1989	IN	5/31/1994	8/12/1999
D-0336	S & D CONSTRUCTION CO	5/18/1984	IN	5/17/1994	11/26/1997
D-0325	PEABODY COAL CO	5/2/1984	A	5/1/1994	/ /
D-0930	R & R COAL CO	3/6/1991	IN	3/5/1994	3/24/1998
D-0994	BUCKEYE INDUSTRIAL MINING	9/8/1992	IN	2/28/1994	9/13/1996
D-0208	CAPSTONE HOLDING CO	10/7/1983	IN	12/14/1993	2/4/1998
D-0248	CROOKSVILLE COAL CO INC	12/8/1983	A	12/7/1993	/ /
D-0903	R TG INC	10/1/1990	IN	9/30/1993	6/4/1997
D-0167	S & D CONSTRUCTION CO	7/26/1983	IN	7/25/1993	11/26/1997
D-0137	D & D MINING CO	4/25/1983	A	4/24/1993	8/6/2001
D-0780	MARIETTA COAL CO	7/18/1988	IN	4/23/1993	5/14/1999
D-0713	MARIETTA COAL CO	10/7/1987	IN	8/26/1992	12/11/2000
D-0032	D & D MINING CO	8/16/1982	A	6/11/1992	/ /
D-0875	CROOKSVILLE COAL CO INC	1/31/1990	IN	5/12/1992	10/12/1993
D-0107	BELVILLE MINING CO	2/23/1983	A	8/26/1991	/ /
D-0764	JOHN GLENN MINING CO	4/30/1988	A	8/6/1991	/ /
D-0057	CROOKSVILLE COAL CO INC	8/16/1982	IN	5/23/1991	5/4/1990
D-0656	WIDMOR COAL CO	3/4/1987	IN	5/9/1990	10/13/1992
D-0379	D & D MINING CO	7/13/1984	A	9/11/1989	/ /
D-0438	THOMPSON MINING CO	12/12/1984	IN	7/5/1989	7/10/1990
D-0498	COLLINS MINING CO INC	9/6/1985	IN	3/17/1988	12/7/1993
D-0346	KRULOCK INC	6/5/1984	IN	1/12/1988	4/23/1992

Status: A - active, the entire site has **not** achieved Phase II bond release.

IN- inactive, the entire site has achieved Phase II bond release.