

## **Appendix A**

**Tabular Summary of Core Data to  
Characterize the Program**



**TABLE 1**

<b>COAL PRODUCTION</b> <b>(Millions of short tons)</b>			
<b>Annual Evaluation Period</b>	<b>Surface Mines</b>	<b>Underground Mines</b>	<b>Total</b>
Coal production <sup>A</sup> for entire State:			
2002	49.656	75.593	<b>125,249</b>
2003	45.216	71.190	<b>116,406</b>
2004	43.630	70.516	<b>114,146</b>
<b>TOTAL</b>	<b>138.502</b>	<b>217.299</b>	<b>355.801</b>

<sup>A</sup> Coal production as reported in this table is the gross tonnage, which includes coal that is sold, used, or transferred as reported to OSM by each mining company on form OSM-1 line 8(a). Gross tonnage does not provide for a moisture reduction. OSM verifies tonnage reported through routine auditing of mining companies. This production may vary from that reported by states or other sources due to varying methods of determining and reporting coal production.

TABLE 2

INSPECTABLE UNITS As of June 30, 2005													
Coal mines and related facilities	Number and status of permits								Insp. Units <sup>D</sup>	Permitted acreage <sup>A</sup> (hundreds of acres)			
	Active or temporarily inactive		Inactive		Abandoned	Totals							
	Phase II bond release												
	IP	PP	IP	PP		IP	PP	IP	PP	IP	PP	Total	
<b>STATE AND PRIVATE LANDS REGULATORY AUTHORITY: STATE</b>													
Surface mines	0	775	0	50	1	3	1	828		0.42	4,164	4,164	
Underground mines	0	705	0	16	2	2	2	723		0.08	11,767	11,767	
Other facilities	0	346	0	1	0	1	0	348		0	480	480	
Subtotals	0	1,826	0	67	3	6	3	1,899	0	0.5	16,411	16,411	
<b>FEDERAL LANDS REGULATORY AUTHORITY: STATE</b>													
Surface mines	0	8	0	0	0	0	0	8		0	19	19	
Underground mines	0	22	0	0	0	0	0	22		0	729	729	
Other facilities	0	5	0	0	0	0	0	5	0	0	9	9	
Subtotals	0	35	0	0	0	0	0	35	0	0	757	757	
<b>ALL LANDS<sup>B</sup></b>													
Surface mines	0	783	0	50	1	3	1	836		0.42	4,183	4,183	
Underground mines	0	727	0	16	2	2	2	745		0.08	12,496	12,496	
Other facilities	0	351	0	1	0	1	0	353		0	489	489	
Totals	0	1,861	0	67	3	6	3	1,934	0	0.5	17,168	17,168	
Average number of permits per inspectable unit (excluding exploration sites) <u>N/A</u>													
Average number of acres per inspectable unit (excluding exploration sites) <u>887</u>													
Number of exploration permits on state and private lands: <u>0</u> On Federal lands <sup>C</sup> : <u>          </u>													
Number of exploration notices on State and private lands: <u>248</u> On Federal lands <sup>C</sup> : <u>          </u>													
* includes federal lands													
IP: Initial regulatory program sites													
PP: Permanent regulatory program sites													
<sup>A</sup> When a unit is located on more than one type of land, include only the acreage located on the indicated type of land.													
<sup>B</sup> Numbers of units may not equal the sum of the three preceding categories because a single inspectable unit may include lands in more than one of the preceding categories.													
<sup>C</sup> Includes only exploration activities regulated by the state pursuant to a cooperative agreement with OSM or by OSM pursuant to a federal lands program. Excludes exploration regulated by the Bureau of Land Management.													
<sup>D</sup> Inspectable units include multiple permits that have been grouped together as one unit for inspection frequency purposes by some state programs.													

TABLE 3

**STATE PERMITTING ACTIVITY**  
**As of June 30, 2005**

<b>Type of Application</b>	<b>Surface Mines</b>			<b>Underground Mines</b>			<b>Other Facilities</b>			<b>Totals</b>		
	<b>App. Rec.</b>	<b>Issued</b>	<b>Acres</b>	<b>App. Rec.</b>	<b>Issued</b>	<b>Acres<sup>A</sup></b>	<b>App. Rec.</b>	<b>Issued</b>	<b>Acres</b>	<b>App. Rec.</b>	<b>Issued</b>	<b>Acres</b>
New Permits	91	59	12,509	33	16	24,334	10	7	122	134	82	36,965
Renewals	52	68	59,221	83	130	302,626	18	89	22,116	153	287	383,963
Transfers, sales, and assignments of permit rights	150	46		71	30		86	35		307	111	
Small operator assistance	22	24		1	3		0	0		23	27	
Exploration permits	0	0		0	0		0	0		0	0	
Exploration notices <sup>B</sup>		248										248
Revisions (exclusive of incidental boundary revisions)		29			19			3				51
Incidental boundary revisions		187	5,297		144	40,738		34	260		365	46,295
Amendments		49	5,024		43	21,568		2	211		94	26,803
Major revisions		24	507		29	19,349		9	35		62	19,891
<b>Totals</b>	<b>315</b>	<b>734</b>	<b>82,558</b>	<b>188</b>	<b>414</b>	<b>408,615</b>	<b>114</b>	<b>179</b>	<b>22,744</b>	<b>617</b>	<b>1,327</b>	<b>513,917</b>

\*\*Exploration notices do not distinguish type of mining.

OPTIONAL - Number of mid-term permit reviews completed that are not reported as revisions.

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<sup>A</sup> Includes only the number of acres of proposed surface disturbance.

<sup>B</sup> State approval not required. Involves removal of less than 250 tons of coal and does not affect lands designated unsuitable for mining.

TABLE 4

OFF-SITE IMPACTS									
RESOURCES AFFECTED		People			Land			Water	
TYPE OF IMPACT AND NUMBER OF EACH TYPE	DEGREE OF IMPACT	minor	moderate	major	minor	moderate	major	minor	moderate
Blasting	46				3		30		
Land Stability	11				10	1			
Hydrology	290	12			17	25			
Encroachment	279				274	5		220	7
Other	166				156	6	3		8
Total	792	12	0	17	468	12	34	220	7
								8	1
Total number of inspectable units:									13
Inspectable units free of off-site impacts:									

Total number of inspectable units:  
 Inspectable units free of off-site impacts:

1,934  
1,676

OFF-SITE IMPACTS ON BOND FORFEITURE SITES									
RESOURCES AFFECTED		People			Land			Water	
TYPE OF IMPACT AND NUMBER OF EACH TYPE	DEGREE OF IMPACT	minor	moderate	major	minor	moderate	major	minor	moderate
Blasting	78				31	21	26		
Land Stability	78								
Hydrology	4								
Encroachment								2	2
Other									0
Total	82	0	0	0	31	21	26	2	2
								0	0
Total number of inspectable units:									0
Inspectable units free of off-site impacts:									

Total number of inspectable units:  
 Inspectable units free of off-site impacts:

78  
0

Refer to the report narrative for complete explanation and evaluation of the information provided by this table.

**TABLE 5**

<b>ANNUAL STATE MINING AND RECLAMATION RESULTS</b>		
<b>Bond Release Phase</b>	<b>Applicable Performance Standard</b>	<b>Acreage Released During This Evaluation Period</b>
Phase I	- Approximate original contour restored - Topsoil or approved alternative replaced	12,717
Phase II	- Surface stability - Establishment of vegetation	5,964
Phase III	- Post-mining land use/productivity restored - Successful permanent vegetation - Groundwater recharge, quality, and quantity restored	13,862
<b>Bonded Acreage Status<sup>A</sup></b>		<b>Acres</b>
Total number of bonded acres at end of last review period (June 30, 2004) <sup>B</sup>		346,849
Total number of bonded acres during this evaluation year.		358,211
Number of acres bonded during this evaluation year that are considered remaining, if available.		N/A
Number of acres where bond was forfeited during this evaluation year (also report this acreage on Table 7).		103

<sup>A</sup> Bonded acreage is considered to approximate and represent the number of acres disturbed by surface coal mining and reclamation operations.

<sup>B</sup> Bonded acreage in this category are those that have not received a Phase III or other final bond release (State maintains jurisdiction). In past annual reports, this number included the total permit acreage. In EY 2005, this number represents only the permit acreage bonded.

**TABLE 6**

<b>Type of Enforcement</b>	<b>Actions Taken by State</b>		<b>Actions Taken by OSM</b>	
	<b>Number of Actions</b>	<b>Number of Violations</b>	<b>Number of Actions</b>	<b>Number of Violations</b>
Notice of violation issued	598	1,099	0	0
Imminent harm cessation order issued	13	19	0	0
Failure-to-abate cessation order issued	45	89	0	0
Show-cause order issued for pattern of violations	1			
Permit suspended <sup>A</sup>	2			
Permit revoked	2			
Individual civil penalty assessed	23			
Criminal penalty requested	0			
Criminal penalty assessed	0			
Injunction requested	2			
Injunction obtained	13			
Settlement agreement approved in lieu of further enforcement action	120			

<sup>A</sup> Average duration of permit suspension: 4 months

**TABLE 6A**

<b>CITIZEN COMPLAINTS</b>		
<b>Number of Complaints</b>	<b>State</b>	<b>OSM</b>
Actions pending as of June 30, 2004	163	9
Complaints received in EY 2005	809	26
Complaints referred to State		26
Complaints investigated	750	28
Responses provided to complainant	750	28
Actions pending as of June 30, 2005	222	7

**TABLE 6B**

Type of inspectable unit	Number of inspections conducted		Percent of required inspections conducted <sup>A</sup>		Inspectable units for which State met required inspection frequency			
	Complete inspections	Partial inspections	Complete inspections	Partial inspections	Complete inspections	All inspections	Number	%
COAL MINES AND FACILITIES					Number	%	Number	%
Active	7,289	14,016	99.2%	99.7%	1,803	96.9%	1,789	96.1%
Inactive	283	139	99.3%	100%	68	97.1%	68	97%
Abandoned	49	58	98%	100%	5	83%	5	83%
<b>TOTALS</b>	<b>7,621</b>	<b>14,213</b>	<b>99.2%</b>	<b>99.7%</b>	<b>1,876</b>	<b>96.9</b>	<b>1,862</b>	<b>96.1</b>
Exploration permits <sup>B</sup>								
Exploration permits <sup>B</sup>	1,631	873						

<sup>A</sup> Calculated on a site-specific basis. Excess complete inspections are considered partial inspections. For each site, any inspections in excess of the total number required by the approved program are not included.

<sup>B</sup> Includes all valid or unreclaimed notices and permits. No inspection frequency data are provided since SMCRA does not establish a minimum numerical inspection frequency for coal exploration activities.

**TABLE 7**

<b>STATE BOND FORFEITURE ACTIVITY (Permanent Program Permits)</b>		
<b>Bond Forfeiture Reclamation Activity by SRA</b>	<b>Number of Sites</b>	<b>Acres</b>
Sites with bonds forfeited and collected that were unreclaimed as of June 30, 2004 (end of previous evaluation year) <sup>A</sup>	88	4,181
Sites with bonds forfeited and collected during Evaluation Year 2005 (current year)	5	103
Sites with bonds forfeited and collected that were re-permitted during Evaluation Year 2005 (current year)	0	0
Sites with bonds forfeited and collected that were reclaimed during Evaluation Year 2005 (current year)	14	547
Sites with bonds forfeited and collected that were unreclaimed as of June 30, 2005 (end of current year) <sup>A</sup>	79	3,737
Sites with bonds forfeited but uncollected as of June 30, 2005 (end of current year)	2	190
<b>Surety/Other Reclamation (In Lieu of Forfeiture)</b>		
Sites being reclaimed by surety/other party as of June 30, 2004 (end of previous evaluation year) <sup>B</sup>	7	2,711
Sites where surety/other party agreed to do reclamation during Evaluation Year 2005 (current year)	15	5,220
Sites being reclaimed by surety/other party that were re-permitted during Evaluation Year 2005 (current year)	0	0
Sites with reclamation completed by surety/other party during Evaluation Year 2005 (current year) <sup>C</sup>	8	2,318
Sites being reclaimed by surety/other party as of June 30, 2005 (current evaluation year) <sup>B</sup>	7	2,711

<sup>A</sup> Includes data only for those forfeiture sites not fully reclaimed as of this date  
<sup>B</sup> Includes all sites where surety or other party has agreed to complete reclamation and site is not fully reclaimed as of this date  
<sup>C</sup> This number also is reported in Table 5 as Phase III bond release has been granted on these sites

**TABLE 8**

<b>KENTUCKY STAFFING</b> <b>(Full-time equivalents at the end of evaluation year)</b>	
<b>Function</b>	<b>EY 2005</b>
<b>Regulatory Program</b>	
Permit review	105
Inspection	185
Other (administrative, fiscal, personnel, etc.)	17*
<b>Regulatory Program Total</b>	<b>307</b>
<b>AML Program Total</b>	<b>80</b>
<b>TOTAL</b>	<b>387</b>

\* 17 personnel transferred from Commissioner's Office to Division of Mine Permits in reorganization.

**TABLE 9****FUNDS GRANTED TO KENTUCKY  
BY OSM**  
(Millions of dollars)**FY 2005**

Type of Grant	Federal Funds Awarded	Federal Funding as a Percentage of Total Program Costs
Administration and enforcement	11.287	50%
Federal lands	1.027	100%
Abandoned mine lands	15.963	100%
Small operator assistance	0.734	100%
<b>Totals</b>	<b>29.011</b>	

**TABLE 10****STATE OF KENTUCKY  
INSPECTION ACTIVITY****PERIOD: JULY 1, 2004 - JUNE 30, 2005**

Inspectable Unit Status	Number of Inspections Conducted	
	Complete	Partial
Active*	7,289	14,016
Inactive*	283	139
Abandoned*	49	58
Total	7,621	14,213
Exploration	1,631	873

\* Use terms as defined by the approved State program.

**TABLE 11****STATE OF KENTUCKY  
ENFORCEMENT ACTIVITY****PERIOD: JULY 1, 2004 - JUNE 30, 2005**

Type of Enforcement Action	Number of Actions*	Number of Violations*
Notice of Violation	598	1,099
Failure-to-Abate Cessation Order	45	89
Imminent Harm Cessation Order	13	19

\* Does not include those violations that were vacated.

**TABLE 12****LANDS UNSUITABLE ACTIVITY  
KENTUCKY****PERIOD: JULY 1, 2004 - JUNE 30, 2005**

Number of Petitions Received	0		
Number of Petitions Accepted	0		
Number of Petitions Rejected	0		
Number of Decisions Declaring Lands Unsuitable	0	Acreage Declared as Being Unsuitable	0
Number of Decisions Denying Lands Unsuitable	0	Acreage Denied as Being Unsuitable	0

## **Appendix B**

### **State Comments on the Report**





OSRM LEXINGTON

AUG 22 2005

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET  
DEPARTMENT FOR NATURAL RESOURCES FIELD OFFICE

**Ernie Fletcher**  
Governor

2 Hudson Hollow  
Frankfort, Kentucky 40601  
Phone (502) 564-6940  
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**LaJuana S. Wilcher**  
Secretary

**Susan C. Bush**  
Commissioner

August 18, 2005

Mr. William J. Kovacic  
Lexington Field Office  
Office of Surface Mining  
2675 Regency Road  
Lexington, Kentucky 40503

Dear Mr. Kovacic:

The Department for Natural Resources offers the following comments regarding the draft Evaluation Year 2005 Annual Report:

**Page 4**, Table of Permitted Acreage/Number of Surface Mines - The indicated decrease in the number of surface mines from EY 2004 to EY 2005 (10% – 30% decrease across acreage categories) appears suspect and counter to recent industry trends.

**Page 8**, 2. Long Term Treatment (LTT) of Acid Mine Drainage (AMD) - A LTT permit can only be removed from the active list if the water pH and iron and manganese levels meet applicable effluent limits before treatment.

**Page 10**, 6. Kentucky Mine Mapping Initiative - Paragraph 1 - Currently, 19,304 underground mine maps have been scanned, with 9,923 underground mine maps geo-referenced.

**Page 10**, 6. Kentucky Mine Mapping Initiative - Paragraph 2 – DNR is optimistic that MSHA grant funds will be sufficient to scan and geo-reference all final maps; however, it is too early in the process to make such a definitive statement.

**Page 10**, 6. Kentucky Mine Mapping Initiative - Paragraph 4 - As an update, there were over 456,000 Internet queries on the Kentucky Mine Mapping Initiative web site during the month of June 2005.

Mr. William J. Kovacic  
August 18, 2005  
Page Two

**Page 29, A. Workload and Staffing Analysis - Paragraph 5** - In January 2005 the Personnel Cabinet upgraded the positions of Environmental Engineer Assistant II (Grade 14), Environmental Engineer Assistant III (Grade 15), and Environmental Engineer Consultant (Grade 17) to aid in the recruitment and retention of qualified engineers.

**Page 32, I. Contemporaneous Reclamation - Supplemental Assurance** - The oversight report on Contemporaneous Reclamation - Supplemental Assurance is still in draft and the study has been extended into EY 2006. As such, initial OSM findings and recommendations should not appear as final conclusions in the EY 2005 Annual Report.

**Page 33, K. Probable Hydrologic Consequences (PHC) Review** - The joint special study on Probable Hydrologic Consequences (PHC) Review was finalized and distributed on February 11, 2004 and was fully addressed in the EY 2004 Annual Report. Accordingly, PHC Review findings and recommendations need not be duplicated in the EY 2005 Report.

**Appendix F, MSHA - Class Impoundment Inventory** – Appendix F is dated and does not accurately reflect the current status of several impoundments. For example, the Dotson Fork Impoundment (Chisholm Coal Company, Permit No. 898-5908) has been reclaimed, and the Enterprise (Premier Elkhorn Coal Company, Permit No. 898-8098) and Gabes Creek (Bledsoe Coal Corporation, Permit No. 848-8040) Impoundments are actively being reclaimed.

I appreciate the opportunity to comment on the EY 2005 draft Annual Report. If you have any questions, please do not hesitate to call my office at (502) 564-6940.

Sincerely,



Susan C. Bush, P.G.  
Commissioner

c: Larry Adams  
Paul Ehret  
Steve Hohman  
Paul Rothman

## **Appendix C**

**Permittees Issued Non-  
Compliances by DNR  
(Listed by Descending Number of  
Non-Compliances)**



Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
MARTIN COUNTY COAL CORPORATION	29	65	16	34	25,431.99	8,707.87
NALLY & HAMILTON ENTERPRISES INC	27	43	13	34	22,243.37	12,590.25
CONSOL OF KENTUCKY INC	25	61	22	50	66,953.54	4,449.80
HNR MINING INC	21	58	14	43	18,578.27	10,690.73
FRASURE CREEK MINING LLC	18	30	4	8	8,503.70	647.00
COOK AND SONS MINING INC	17	27	10	17	21,496.45	1,293.61
LESLIE RESOURCES INC	14	21	10	29	25,391.04	14,635.94
MANALAPAN MINING COMPANY INC	11	17	6	12	16,223.44	817.94
STAR FIRE MINING COMPANY	11	16	4	10	7,833.44	6,675.57
PREMIER ELKHORN COAL COMPANY	10	15	9	47	47,091.98	7,738.11
MCCOY ELKHORN COAL CORPORATION	10	12	7	36	40,507.57	620.91
CHEYENNE RESOURCES INC	8	16	4	13	5,450.61	4,443.79
MOTTS BRANCH COAL INC	8	14	5	21	13,132.83	2,978.70
FCDC COAL INC	8	13	6	19	13,630.84	197.64
SEQUOIA ENERGY LLC	8	13	6	13	9,378.64	289.20
CENTRAL APPALACHIA MINING LLC	8	12	5	24	11,510.37	2,021.58
SIDNEY COAL COMPANY INC	8	8	3	50	83,314.32	1,667.04
APPOLLO FUELS INC	7	12	3	27	11,412.17	1,171.37
APPALACHIAN FUELS LLC	7	11	7	25	21,885.24	6,445.15
LANDMARK MINING COMPANY INC	7	10	3	9	4,507.88	157.56
CENTENNIAL RESOURCES INC	7	9	4	8	4,226.98	2,878.20
STURGEON MINING COMPANY INC	6	15	5	10	1,168.22	666.19
KNOTT COUNTY MINING COMPANY	6	13	4	5	8,053.47	284.00
CLINTWOOD ELKHORN MINING COMPANY	6	12	3	35	34,226.92	1,178.76
VERNON SPURLOCK	6	12	2	2	173.50	15.40
AEP KENTUCKY COAL LLC	6	6	5	34	21,330.64	7,378.81
APEX ENERGY INC	5	11	4	17	11,116.17	3,266.40
CUMBERLAND RIVER COAL COMPANY	5	11	3	12	13,842.48	795.68
IKERD-BANDY CO INC	5	11	2	6	4,857.69	3,110.16
CZAR COAL CORPORATION	5	10	4	25	23,850.87	2,736.36
SUNNY RIDGE MINING COMPANY INC	5	6	2	15	6,791.42	3,603.24
RUBY COAL COMPANY OF LONDON INC	4	15	2	4	204.77	89.60
STRATA MINING INC	4	11	3	3	1,235.00	940.00
ENTERPRISE MINING COMPANY LLC	4	9	3	28	35,572.66	955.66
CAMBRIAN COAL CORPORATION	4	8	3	12	4,166.02	2,931.79
CAM-KENTUCKY LLC	4	6	3	14	22,843.91	1,671.70
JOHNS CREEK COAL COMPANY	4	6	2	2	5,611.35	58.00
TRACE BRANCH COAL INC	4	5	1	1	240.90	100.00
BEECH CREEK ENERGY INC	4	4	2	2	85.75	35.45
HARLAN-CUMBERLAND COAL COMPANY LLC	4	4	2	5	13,854.93	422.79
MILLER BROS COAL INC	4	4	4	15	9,764.59	5,263.57
SANDLICK COAL COMPANY INC	4	4	2	11	8,128.55	463.47
BURIED SUNSHINE TRANSPORT INC	3	11	2	2	93.90	88.20
BEECH FORK PROCESSING INC	3	9	3	16	15,670.87	1,391.41
SKYLINE EXCAVATION INC	3	9	1	1	190.20	40.00

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
BLUE GEM MINING COMPANY INC	3	8	3	6	4,737.07	144.40
J & L DRILLING INC	3	8	1	1	209.90	41.63
17 WEST MINING INC	3	7	3	16	11,100.32	7,230.00
BLACK DIAMOND RESOURCES INC	3	7	2	4	1,830.40	663.40
BUCKHORN PROCESSING COMPANY	3	7	1	3	389.85	317.85
D & C MINING CORPORATION	3	7	1	2	756.90	19.75
CLOVERFORK MINING & EXCAVATING INC	3	6	2	7	2,867.50	1,171.59
D S ENERGY INC	3	6	2	3	2,510.49	10.05
LODESTAR ENERGY INC	3	6	3	8	26,348.66	1,431.34
ADDINGTON INC	3	5	3	4	3,578.32	3,066.84
ARGUS ENERGY LLC	3	5	3	9	4,846.05	642.54
BDCC HOLDING COMPANY INC	3	5	3	23	36,547.61	797.12
NEW HARLAN BLOCK COAL INC	3	5	2	2	115.11	5.10
THE ELK HORN COAL COMPANY LLC	3	5	2	11	10,025.02	64.20
CANDLE RIDGE MINING INC	3	4	2	5	1,209.00	380.80
GATLIFF COAL COMPANY	3	4	2	8	2,829.90	372.60
MATT/CO INC	3	4	3	12	5,752.85	156.12
AMERICAN MINING & MANUFACTURING CORPORATION	3	3	1	1	934.17	3.00
CHAS COAL LLC	3	3	2	29	17,150.44	3,595.40
M & D PIPELINE INC	3	3	2	2	2,441.94	664.40
MINNEHAN MINING LLC	3	3	1	1	288.86	105.00
ENERGY ENVIRONMENTAL RESOURCES INC	2	11	1	1	49.91	10.00
D & A EQUIPMENT INC	2	8	1	1	201.91	55.00
MOUNTAIN SPUR COALS & ENERGY INC	2	8	1			
BASIC SERVICES	2	7	1	1	15.50	8.00
D F M INC	2	7	1	2	1,607.53	625.00
DEMA COAL COMPANY INC	2	7	2	3	1,072.12	7.95
AUSTIN COAL INC	2	6	1	1	424.92	134.00
DIXIE FUEL COMPANY LLC	2	6	1	5	4,797.30	303.93
EVANS COAL CORP	2	6	1	3	877.15	155.00
EVERGREEN MINING INC	2	6	2	4	406.56	137.60
SOLOMONS MINING COMPANY	2	6	2	7	3,331.29	1,805.00
CONCO COAL COMPANY INC	2	5	1	1	94.57	20.00
J & M EQUIPMENT AND CONSTRUCTION CO INC	2	5	1	1	150.87	60.00
THE RAVEN CO INC	2	5	1	1	442.56	18.00
BLEDSOE COAL CORPORATION	2	4	2	26	34,422.15	2,148.92
BROKEN RIDGE LLC	2	4	1	1	266.24	151.37
GIRDNER MINING COMPANY INC	2	4	2	2	496.05	9.00
MARTIN COAL PROCESSING CORPORATION	2	4	1	1	12.00	12.00
MC MINING LLC	2	4	1	3	9,287.24	193.00
PENNYRILE COAL CO INC	2	4	2	2	7,892.81	521.80
R & L WINN INC.	2	4	1	1	213.50	104.00
RICHARDSON FUEL INC	2	4	2	7	4,730.09	433.90
STRAIGHT CREEK COAL RESOURCES COMPANY	2	4	2	12	6,544.41	1,275.00

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
WHITAKER COAL CORPORATION	2	4	2	12	17,737.76	1,306.17
IKERD COAL COMPANY LLC	2	3	1	3	1,067.60	55.20
JOHNSON-FLOYD COAL COMPANY LLC	2	3	1	2	258.80	72.00
LOCUST GROVE INC	2	3	2	12	5,233.69	2,412.06
LONG FORK COAL COMPANY	2	3	1	7	5,899.33	213.94
PHILLIP F BURDEN	2	3	1	2	118.00	95.00
B & W RESOURCES INC	2	2	2	4	743.52	451.50
HARLAN RECLAMATION SERVICES LLC	2	2	2	18	45,758.44	1,543.03
KENAMERICAN RESOURCES INC	2	2	2	3	17,378.04	164.00
LOST MOUNTAIN MINING COMPANY	2	2	1	7	4,006.70	3,076.70
MAGGARD MINING INC	2	2	1	1	431.63	13.12
MINE RITE COAL CO INC	2	2	2	10	2,004.21	279.85
NFC MINING INC	2	2	1	2	27.35	27.35
PETER FORK MINING COMPANY	2	2	2	9	4,697.61	475.54
REX COAL COMPANY INC	2	2	2	3	1,941.23	11.43
SAND HILL ENERGY INC	2	2	1	5	145.10	60.40
SHAMROCK COAL COMPANY INCORPORATED	2	2	2	9	20,286.08	855.15
STAR RUN INC	2	2	1	1	671.91	3.00
T & T COAL INC	2	2	1	10	710.21	275.73
WHYMORE COAL COMPANY INC	2	2	2	6	505.75	146.00
PONTIKA COAL LLC	1	6	1	7	29,310.50	185.80
V & M MINING COMPANY OF PAINTSVILLE INC	1	6	1	1	126.70	4.94
CT & L COAL COMPANY	1	4	1	1	127.34	46.00
F D JUSTICE II LLC	1	4	1			
BELFRY COAL CORPORATION	1	3	1	5	5,324.47	190.98
LEECO PROCESSING COMPANY	1	3	1			
LWF LEASING LLC	1	3	1	4	1,257.73	19.01
PLEASANT VIEW MINING CO INC	1	3	1	1	834.10	52.40
RGT MINING AND CONSTRUCTION CO	1	3	1	1	215.00	8.00
WELLMORE COAL CORPORATION	1	3	1	11	7,878.41	71.20
WEST COAL INC	1	3	1	1	88.65	16.00
ANDALEX RESOURCES INC	1	2	1	1	182.00	43.00
BEAVER MINERALS INC	1	2	1	1	166.74	150.00
BLACK HILLS COAL INC	1	2	1	4	1,269.60	925.00
C & C MINING INC	1	2	1	1	13.90	4.00
COCHISE COAL COMPANY INC	1	2	1	1	4,893.00	128.50
GRANNY FOSSIL FOOT COAL CO	1	2	1	1	72.74	3.96
GWENCO INC	1	2	1	1	615.30	5.00
ICG HAZARD LLC	1	2	1	17	5,732.49	1,715.36
JESS BOWLING	1	2	1	1	132.70	38.00
KING BROTHERS COAL INC	1	2	1	2	1,090.57	8.35
PETER CAVE MINING COMPANY	1	2	1	5	14,891.90	845.71
REDBONE COAL COMPANY INC	1	2	1	5	3,246.66	863.70
REID & SONS CONSTRUCTION	1	2	1	2	85.20	25.00
RICHARD COLLINS	1	2	1	1	32.70	3.00

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
ROAD FORK DEVELOPMENT COMPANY INC	1	2	1	11	23,500.47	770.47
STRONG BROTHERS MINING	1	2	1	1	157.80	6.00
ACME RESOURCES LLC	1	1	1	1	294.90	5.30
BEAR FORK RESOURCES LLC	1	1	1			
C G M COAL CO INC	1	1	1	1	534.53	5.00
C M & S INC	1	1	1	1	171.85	35.66
CHAROLAIS COAL NO 1 LLC	1	1	1	5	1,560.90	540.00
CORNETTSVILLE COAL CO	1	1	1	1	533.24	10.71
D & M LAND WORKS LLC	1	1	1	2	128.30	28.60
DANCOAL INC	1	1	1	1	42.12	10.00
DIAMOND MAY COAL COMPANY	1	1	1	17	16,548.74	3,138.00
DOUBLE K MINING INC	1	1	1	1	38.42	38.00
EVERGREEN LAND CORPORATION	1	1	1	1	458.24	4.70
H & D COAL COMPANY INC	1	1	1	3	646.51	400.00
H B COAL INC	1	1	1	1	68.60	5.00
HOLBROOK MINING COMPANY INC	1	1	1	2	294.21	173.00
ICG KNOTT COUNTY LLC	1	1	1	3	1,905.43	88.00
IDLE TIME ENTERPRISES	1	1	1	1	11.78	8.00
JAMES H TAYLOR MINING COMPANY INC	1	1	1	1	825.98	10.89
JERICOL MINING INC	1	1	1	15	17,111.35	1,119.99
KELLY BRANCH RESOURCES INC	1	1	1	1	1,554.91	10.00
KENTUCKY DARBY COAL COMPANY	1	1	1	7	13,158.99	130.95
KENTUCKY MAY COAL COMPANY INC	1	1	1	19	16,471.26	538.02
KINCAID ENTERPRISES INC	1	1	1	1	64.60	1.00
LEECO INC	1	1	1	11	20,863.00	558.52
LEFT FORK MINING COMPANY INC	1	1	1	3	3,536.64	126.23
LICKING RIVER RESOURCES INC	1	1	1	1	405.86	120.00
LITTLE BOYD COAL CO INC	1	1	1	1	405.74	250.00
LITTLE CREEK VENTURE LLC	1	1	1	1	896.30	6.00
LONE MOUNTAIN PROCESSING INC	1	1	1	5	37,191.40	147.50
M & N ENTERPRISES INC	1	1	1	2	247.10	200.20
MAGNUM MINING INC	1	1	1	1	594.85	200.00
MASSIVE MINING INC	1	1	1	1	167.10	17.00
MBADOW FORK MINING CO LLC	1	1	1	1	199.39	85.00
MILLER BROS CONST INC	1	1	1	1	2,530.09	2,300.00
MORGAN COUNTY LEASING INC	1	1	1	1	38.18	15.00
NEW HORIZONS COAL INC	1	1	1	16	12,079.73	918.16
NOBLE CONSTRUCTION	1	1	1	1	18.18	11.00
PARSONS BRANCH DEVELOPMENT	1	1	1	1	1.68	1.00
PATRICK PROCESSING LLC	1	1	1	3	1,794.16	19.00
PINNACLE COAL CORPORATION	1	1	1	1	5.90	5.90
PYRAMID MINING INC	1	1	1	3	1,393.50	960.80
REEDY COAL CO INC	1	1	1	1	1,601.49	35.00
RESOURCE LAND COMPANY LLC	1	1	1	2	10,886.02	412.00
RUST MINING LLC	1	1	1	1	140.00	90.00

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
SCHOATE MINING CO LLC	1	1	1	2	2,026.50	1,095.00
SEXTET MINING CORPORATION	1	1	1	3	5,575.80	152.00
SOUTHFORK COAL CO	1	1	1	5	3,309.09	250.84
THUNDERCAT ENERGY CORPORATION	1	1	1	1	147.08	2.08
TWIN RESOURCES LLC	1	1	1	1	271.25	75.00
WARRIOR COAL LLC	1	1	1	8	14,226.20	928.87
WASH RIDGE COAL CO INC	1	1	1	3	483.95	526.10
WHITE CLOUD MINING CO INC	1	1	1			



## **Appendix D**

**Permittees Issued Non-  
Compliances by DNR  
(Listed Alphabetically)**



Permittee	# NCs	Violations	Permits In Violation	Total Permits	Permitted Acres	Disturbed Acres
17 WEST MINING INC	3	7	3	16	11,100.32	7,230.00
ACME RESOURCES LLC	1	1	1	1	294.90	5.30
ADDINGTON INC	3	5	3	4	3,578.32	3,066.84
AEP KENTUCKY COAL LLC	6	6	5	34	21,330.64	7,378.81
AMERICAN MINING & MANUFACTURING CORPORATION	3	3	1	1	934.17	3.00
ANDALEX RESOURCES INC	1	2	1	1	182.00	43.00
APEX ENERGY INC	5	11	4	17	11,116.17	3,266.40
APPALACHIAN FUELS LLC	7	11	7	25	21,885.24	6,445.15
APPOLO FUELS INC	7	12	3	27	11,412.17	1,171.37
ARGUS ENERGY LLC	3	5	3	9	4,846.05	642.54
AUSTIN COAL INC	2	6	1	1	424.92	134.00
B & W RESOURCES INC	2	2	2	4	743.52	451.50
BASIC SERVICES	2	7	1	1	15.50	8.00
BDCC HOLDING COMPANY INC	3	5	3	23	36,547.61	797.12
BEAR FORK RESOURCES LLC	1	1	1			
BEAVER MINERALS INC	1	2	1	1	166.74	150.00
BEECH CREEK ENERGY INC	4	4	2	2	85.75	35.45
BEECH FORK PROCESSING INC	3	9	3	16	15,670.87	1,391.41
BELFRY COAL CORPORATION	1	3	1	5	5,324.47	190.98
BLACK DIAMOND RESOURCES INC	3	7	2	4	1,830.40	663.40
BLACK HILLS COAL INC	1	2	1	4	1,269.60	925.00
BLEDSOE COAL CORPORATION	2	4	2	26	34,422.15	2,148.92
BLUE GEM MINING COMPANY INC	3	8	3	6	4,737.07	144.40
BROKEN RIDGE LLC	2	4	1	1	266.24	151.37
BUCKHORN PROCESSING COMPANY	3	7	1	3	389.85	317.85
BURIED SUNSHINE TRANSPORT INC	3	11	2	2	93.90	88.20
C & C MINING INC	1	2	1	1	13.90	4.00
C G M COAL CO INC	1	1	1	1	534.53	5.00
C M & S INC	1	1	1	1	171.85	35.66
C T & L COAL COMPANY	1	4	1	1	127.34	46.00
CAM-KENTUCKY LLC	4	6	3	14	22,843.91	1,671.70
CAMBRIAN COAL CORPORATION	4	8	3	12	4,166.02	2,931.79
CANDLE RIDGE MINING INC	3	4	2	5	1,209.00	380.80
CENTENNIAL RESOURCES INC	7	9	4	8	4,226.98	2,878.20
CENTRAL APPALACHIA MINING LLC	8	12	5	24	11,510.37	2,021.58
CHAROLAIS COAL NO 1 LLC	1	1	1	5	1,560.90	540.00
CHAS COAL LLC	3	3	2	29	17,150.44	3,595.40
CHEYENNE RESOURCES INC	8	16	4	13	5,450.61	4,443.79
CLINTWOOD ELKHORN MINING COMPANY	6	12	3	35	34,226.92	1,178.76
CLOVERFORK MINING & EXCAVATING INC	3	6	2	7	2,867.50	1,171.59
COCHISE COAL COMPANY INC	1	2	1	1	4,893.00	128.50
CONCO COAL COMPANY INC	2	5	1	1	94.57	20.00
CONSOL OF KENTUCKY INC	25	61	22	50	66,953.54	4,449.80
COOK AND SONS MINING INC	17	27	10	17	21,496.45	1,293.61
CORNETTSVILLE COAL CO	1	1	1	1	533.24	10.71

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
CUMBERLAND RIVER COAL COMPANY	5	11	3	12	13,842.48	795.68
CZAR COAL CORPORATION	5	10	4	25	23,850.87	2,736.36
D & A EQUIPMENT INC	2	8	1	1	201.91	55.00
D & C MINING CORPORATION	3	7	1	2	756.90	19.75
D & M LAND WORKS LLC	1	1	1	2	128.30	28.60
D F M INC	2	7	1	2	1,607.53	625.00
D S ENERGY INC	3	6	2	3	2,510.49	10.05
DANCOAL INC	1	1	1	1	42.12	10.00
DEMA COAL COMPANY INC	2	7	2	3	1,072.12	7.95
DIAMOND MAY COAL COMPANY	1	1	1	17	16,548.74	3,138.00
DIXIE FUEL COMPANY LLC	2	6	1	5	4,797.30	303.93
DOUBLE K MINING INC	1	1	1	1	38.42	38.00
ENERGY ENVIRONMENTAL RESOURCES INC	2	11	1	1	49.91	10.00
ENTERPRISE MINING COMPANY LLC	4	9	3	28	35,572.66	955.66
EVANS COAL CORP	2	6	1	3	877.15	155.00
EVERGREEN LAND CORPORATION	1	1	1	1	458.24	4.70
EVERGREEN MINING INC	2	6	2	4	406.56	137.60
F D JUSTICE II LLC	1	4	1			
FCDC COAL INC	8	13	6	19	13,630.84	197.64
FRASURE CREEK MINING LLC	18	30	4	8	8,503.70	647.00
GATLIFF COAL COMPANY	3	4	2	8	2,829.90	372.60
GIRDNER MINING COMPANY INC	2	4	2	2	496.05	9.00
GRANNY FOSSIL FOOT COAL CO	1	2	1	1	72.74	3.96
GWENCO INC	1	2	1	1	615.30	5.00
H & D COAL COMPANY INC	1	1	1	3	646.51	400.00
H B COAL INC	1	1	1	1	68.60	5.00
HARLAN RECLAMATION SERVICES LLC	2	2	2	18	45,758.44	1,543.03
HARLAN-CUMBERLAND COAL COMPANY LLC	4	4	2	5	13,854.93	422.79
HNR MINING INC	21	58	14	43	18,578.27	10,690.73
HOLBROOK MINING COMPANY INC	1	1	1	2	294.21	173.00
ICG HAZARD LLC	1	2	1	17	5,732.49	1,715.36
ICG KNOTT COUNTY LLC	1	1	1	3	1,905.43	88.00
IDLE TIME ENTERPRISES	1	1	1	1	11.78	8.00
IKERD COAL COMPANY LLC	2	3	1	3	1,067.60	55.20
IKERD-BANDY CO INC	5	11	2	6	4,857.69	3,110.16
J & L DRILLING INC	3	8	1	1	209.90	41.63
J & M EQUIPMENT AND CONSTRUCTION CO INC	2	5	1	1	150.87	60.00
JAMES H TAYLOR MINING COMPANY INC	1	1	1	1	825.98	10.89
JERICOL MINING INC	1	1	1	15	17,111.35	1,119.99
JESS BOWLING	1	2	1	1	132.70	38.00
JOHNS CREEK COAL COMPANY	4	6	2	2	5,611.35	58.00
JOHNSON-FLOYD COAL COMPANY LLC	2	3	1	2	258.80	72.00
KELLY BRANCH RESOURCES INC	1	1	1	1	1,554.91	10.00
KENAMERICAN RESOURCES INC	2	2	2	3	17,378.04	164.00
KENTUCKY DARBY COAL COMPANY	1	1	1	7	13,158.99	130.95

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
KENTUCKY MAY COAL COMPANY INC	1	1	1	19	16,471.26	538.02
KINCAID ENTERPRISES INC	1	1	1	1	64.60	1.00
KING BROTHERS COAL INC	1	2	1	2	1,090.57	8.35
KNOTT COUNTY MINING COMPANY	6	13	4	5	8,053.47	284.00
LANDMARK MINING COMPANY INC	7	10	3	9	4,507.88	157.56
LEECO INC	1	1	1	11	20,863.00	558.52
LEECO PROCESSING COMPANY	1	3	1			
LEFT FORK MINING COMPANY INC	1	1	1	3	3,536.64	126.25
LESLIE RESOURCES INC	14	21	10	29	25,391.04	14,635.94
LICKING RIVER RESOURCES INC	1	1	1	1	405.86	120.00
LITTLE BOYD COAL CO INC	1	1	1	1	405.74	250.00
LITTLE CREEK VENTURE LLC	1	1	1	1	896.30	6.00
LOCUST GROVE INC	2	3	2	12	5,233.69	2,412.06
LODESTAR ENERGY INC	3	6	3	8	26,348.66	1,431.34
LONE MOUNTAIN PROCESSING INC	1	1	1	5	37,191.40	147.50
LONG FORK COAL COMPANY	2	3	1	7	5,899.33	213.94
LOST MOUNTAIN MINING COMPANY	2	2	1	7	4,006.70	3,076.70
LWP LEASING LLC	1	3	1	4	1,257.73	19.01
M & D PIPELINE INC	3	3	2	2	2,441.94	664.40
M & N ENTERPRISES INC	1	1	1	2	247.10	200.20
MAGGARD MINING INC	2	2	1	1	431.63	13.12
MAGNUM MINING INC	1	1	1	1	594.85	200.00
MANALAPAN MINING COMPANY INC	11	17	6	12	16,223.44	817.94
MARTIN COAL PROCESSING CORPORATION	2	4	1	1	12.00	12.00
MARTIN COUNTY COAL CORPORATION	29	65	16	34	25,431.99	8,707.87
MÄSSIVE MINING INC	1	1	1	1	167.10	17.00
MATT/CO INC	3	4	3	12	5,752.85	156.12
MC MINING LLC	2	4	1	3	9,287.24	193.00
MCCOY ELKHORN COAL CORPORATION	10	12	7	36	40,507.57	620.91
MBADOW FORK MINING CO LLC	1	1	1	1	199.39	85.00
MILLER BROS COAL INC	4	4	4	15	9,764.59	5,263.57
MILLER BROS CONST INC	1	1	1	1	2,530.09	2,300.00
MINE RITE COAL CO INC	2	2	2	10	2,004.21	279.85
MINNEHAN MINING LLC	3	3	1	1	288.86	105.00
MORGAN COUNTY LEASING INC	1	1	1	1	38.18	15.00
MOTTS BRANCH COAL INC	8	14	5	21	13,132.83	2,978.70
MOUNTAIN SPUR COALS & ENERGY INC	2	8	1			
NALLY & HAMILTON ENTERPRISES INC	27	43	13	34	22,243.37	12,590.25
NEW HARLAN BLOCK COAL INC	3	5	2	2	115.11	5.10
NEW HORIZONS COAL INC	1	1	1	16	12,079.73	918.16
NFC MINING INC	2	2	1	2	27.35	27.35
NOBLE CONSTRUCTION	1	1	1	1	18.18	11.00
PARSONS BRANCH DEVELOPMENT	1	1	1	1	1.68	1.00
PATRICK PROCESSING LLC	1	1	1	3	1,794.16	19.00
PENNYRILE COAL CO INC	2	4	2	2	7,892.81	521.80

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
PETER CAVE MINING COMPANY	1	2	1	5	14,891.90	845.71
PETER FORK MINING COMPANY	2	2	2	9	4,697.61	475.54
PHILLIP F BURDEN	2	3	1	2	118.00	95.00
PINNACLE COAL CORPORATION	1	1	1	1	5.90	5.90
PLEASANT VIEW MINING CO INC	1	3	1	1	834.10	52.40
PONTIKI COAL LLC	1	6	1	7	29,310.50	185.80
PREMIER ELKHORN COAL COMPANY	10	15	9	47	47,091.98	7,738.11
PYRAMID MINING INC	1	1	1	3	1,393.50	960.80
R & L WINN INC	2	4	1	1	213.50	104.00
REDBONE COAL COMPANY INC	1	2	1	5	3,246.66	863.70
REEDY COAL CO INC	1	1	1	1	1,601.49	35.00
REID & SONS CONSTRUCTION	1	2	1	2	85.20	25.00
RESOURCE LAND COMPANY LLC	1	1	1	2	10,886.02	412.00
REX COAL COMPANY INC	2	2	2	3	1,941.23	11.43
RGT MINING AND CONSTRUCTION CO	1	3	1	1	215.00	8.00
RICHARD COLLINS	1	2	1	1	32.70	3.00
RICHARDSON-FUEL INC	2	4	2	7	4,730.09	433.90
ROAD FORK DEVELOPMENT COMPANY INC	1	2	1	11	23,500.47	770.47
RUBY COAL COMPANY OF LONDON INC	4	15	2	4	204.77	89.60
RUST MINING LLC	1	1	1	1	140.00	90.00
SAND HILL ENERGY INC	2	2	1	5	145.10	60.40
SANDLICK COAL COMPANY INC	4	4	2	11	8,128.55	463.47
SCHOATE MINING CO LLC	1	1	1	2	2,026.50	1,095.00
SEQUOIA ENERGY LLC	8	13	6	13	9,378.64	289.20
SEXTET MINING CORPORATION	1	1	1	3	5,575.80	152.00
SHAMROCK COAL COMPANY INCORPORATED	2	2	2	9	20,286.08	855.15
SIDNEY COAL COMPANY INC	8	8	3	50	83,314.32	1,667.04
SKYLINE EXCAVATION INC	3	9	1	1	190.20	40.00
SOLOMONS MINING COMPANY	2	6	2	7	3,331.29	1,805.00
SOUTHFORK COAL CO	1	1	1	5	3,309.09	250.84
STAR FIRE MINING COMPANY	11	16	4	10	7,833.44	6,675.57
STAR RUN INC	2	2	1	1	671.91	3.00
STRAIGHT CREEK COAL RESOURCES COMPANY	2	4	2	12	6,544.41	1,275.00
STRATA MINING INC	4	11	3	3	1,235.00	940.00
STRONG BROTHERS MINING	1	2	1	1	157.80	6.00
STURGEON MINING COMPANY INC	6	15	5	10	1,168.22	666.19
SUNNY RIDGE MINING COMPANY INC	5	6	2	15	6,791.42	3,603.24
T & T COAL INC	2	2	1	10	710.21	275.73
THE ELK HORN COAL COMPANY LLC	3	5	2	11	10,025.02	64.20
THE RAVEN CO INC	2	5	1	1	442.56	18.00
THUNDERCAT ENERGY CORPORATION	1	1	1	1	147.08	2.08
TRACE BRANCH COAL INC	4	5	1	1	240.90	100.00
TWIN RESOURCES LLC	1	1	1	1	271.25	75.00
V & M MINING COMPANY OF PAINTSVILLE INC	1	6	1	1	126.70	4.94
VERNON SPURLOCK	6	12	2	2	173.50	15.40

Permittee	# NCs	Violations	Permits in Violation	Total Permits	Permitted Acres	Disturbed Acres
WARRIOR COAL LLC	1	1	1	8	14,226.20	928.87
WASH RIDGE COAL CO INC	1	1	1	3	483.95	526.10
WELLMORE COAL CORPORATION	1	3	1	11	7,878.41	71.20
WEST COAL INC	1	3	1	1	88.65	16.00
WHITAKER COAL CORPORATION	2	4	2	12	17,737.76	1,306.17
WHITE CLOUD MINING CO INC	1	1	1			
WHYMORE COAL COMPANY INC	2	2	2	6	505.75	146.00



## **Appendix E**

**2004 Fill Information**



## 2004 Fill Information

A comprehensive effort was completed by the Lexington Field Office (LFO) to collect fill information on all new permits, amendments, and major amendments issued in Eastern Kentucky by Kentucky's Department for Natural Resources (DNR) during Calendar Year (CY) 2004. This effort has three purposes: (1) to identify those permitting actions involving excess spoil fills (fills) on either surface, underground, or other mining operations; (2) to collect pertinent fill and watershed information on each of the proposed fills; and, (3) to collect measurements from the sediment pond to the mine area and fill. DNR issued 221 permitting actions (82 new permits, 100 amendments, and 39 major amendments) in CY 2004 involving surface, underground, or other mining operations. LFO found 87 permitting actions that contained information on 222 proposed fills. The other 134 permitting actions did not involve fills. Table 1 breaks out the permitting actions with proposed fills.

**Table 1**

Mining Type	New Permits/ Number of Fills	Amendments/ Number of Fills	Major Amendments/ Number of Fills	Totals
Surface Mining	39/135	19/41	0/0	58/176
Underground Mining	12/17	14/26	2/2	28/45
Other Mining	1/1	0/0	0/0	1/1

An analysis was completed on each of the 222 fills. Table 2 provides the averages for some of the important features relating to the fills.

**Table 2**

Feature	Surface Mines	Underground Mines	Other Mines
Acres (Ave.)	10.00 acres	3.99 acres	1.90 acres
Volume (Ave.)	1,246,006 yd <sup>3</sup>	320,149 yd <sup>3</sup>	153,300 yd <sup>3</sup>
Length (Ave.)	925 feet	510 feet	150 feet
Watershed Acres (Ave.)	42.79 acres	47.09 acres	16.50 acres

Table 3 breaks out the number of fills by watershed acreage.

**Table 3**

Watershed Acreage	Number of Fills
Less than 50 Acres	162 (73%)
50 Acres to 100 Acres	36 (16%)
100 Acres to 150 Acres	16 (7%)
150 Acres to 200 Acres	6 (3%)
200 Acres to 250 Acres	0 (0%)
Greater than 250 Acres	2 (1%)

Table 4 breaks out the number of fills by fill acreage.

Table 4

Fill Acreage	Number of Fills
Less than 5 Acres	121 (55%)
5 Acres to 10 Acres	50 (22%)
10 Acres to 20 Acres	25 (11%)
20 Acres to 30 Acres	11 (5%)
30 Acres to 50 Acres	9 (4%)
50 Acres to 100 Acres	6 (3%)
100 Acres to 200 Acres	0 (0%)
Greater than 200 Acres	0 (0%)

Table 5 breaks out the number of fills proposed, average watershed acres, and average fill acres in each of the U.S. Army Corps of Engineers Districts in Kentucky.

Table 5

Corps of Engineers Districts	Number of Fills	Average Watershed Acres	Average Fill Acres
Huntington District	87	55.97	12.88
Louisville District	82	39.02	6.58
Nashville District	53	30.14	5.30

As noted in Table 3, LFO found 2 fills on 2 different permits that affect watershed areas greater than 250 acres. Table 6 identifies those permits and fills.

Table 6

Surface Mines					
Company	Permit	Fill ID	Fill Acres	Fill Volume	Watershed Acres
Motts Branch Coal Inc	8605261	1	6.20	70,729	655.50
United Farming Inc	8550168	3	18.70	1,956,035	329.30

A second effort was conducted by LFO that collected permit-specific information on each of the 82 (56 surface, 21 underground, and 5 other) new coal mining permits issued in CY 2004. This effort focused on several different sections of the permit application, including permitted acreage, mine type, total volume of spoil generated, swell factor, spoil placed in excess spoil storage areas compared to spoil used for reclamation, remining, and use of highwall miners.

Table 7 provides a comparison by mine type of the information collected on new surface coal permits issued in CY 2004.

Table 7

	Surface	Underground	Other
New Permits with an AOC Variance Approved	2	0	0
Average Percent of Overburden Returned to Bench	83%	na	na
Range of Overburden Returned to Bench	78% - 87%	na	na
New Permits with Remaining Variances	0	na	na
Average Returned	na	na	na
Range Returned	na	na	na
Average Number of Fills Proposed	3	na	na
Range of Fills Proposed	1 - 5	na	na
New Permits Without an AOC Variance Approved	54	21	5
Average Percent of Overburden Returned to Bench	89%	92%	7%
Range of Overburden Returned to Bench	35% - 104%	0% - 100%	0% - 35%
New Permits with Remaining Variances	13	9	2
Average Returned	90%	100%	18%
Range Returned	35% - 103%	100%	0% - 35%
Average Number of Fills Proposed	2.4	0.8	0.2
Range of Fills Proposed	0 - 13	0 - 3	0 - 1

A third effort was conducted by LFO to collect information on the distance from the fills to the ponds and the distance from the mining areas to the ponds. Measurements were taken at the pond located below the fill. A total of 222 fills (184 fills with new ponds, 38 fills with existing ponds) was evaluated (See Appendix A).

Table 8 provides a comparison by new and existing ponds collected on new permits, amendments, and major amendments.

Table 8

Features Measured	Average Distance
Existing Ponds to Fills	792 feet
Existing Ponds to Mining Area	359 feet
New Ponds to Fills	286 feet
New Ponds to Mining Area	270 feet

On the following pages, Tables 9, 10, and 11 summarize the information collected on all new permits issued in CY 2004 for surface, underground, and other mining operations.

Table 9 - Surface Mines

Company	Permit Number	Acres	Mine Type	AOC Variance (Y/N)	Swelled Overburden (yds <sup>3</sup> )	Predicted Swell Factor	Proposed Overburden Placed in Rills (yds <sup>3</sup> )	Proposed Overburden used in Reclamation/Percent (yds <sup>3</sup> /%)	Number of Rills Proposed
Strong Brothers Mining	8130260	157.80	Area, Contour, Auger	N	8,733,962	.25	1,446,968	7,286,994 (83)	3
Double K Mining Inc	8220053	38.42	Contour	N	602,453	.25	110,967	491,486 (82)	1
R M Development	8260522	99.19	Contour, Auger	N	5,225,109	.20	0	5,225,109 (100)	0
R M Development	8260539	37.61	Contour	N	2,731,695	.20	0	2,731,695 (100)	0
Richard Collins	8260564	32.70	Contour	N	2,135,569	.18	103,407	2,032,162 (95)	2
Vernon Spurlock	8260568	54.50	Contour, Auger	N	4,051,145	.18	493,745	3,557,400 (88)	2
Sand Hill Energy Inc	8260585	46.20	Contour, Auger	N	1,250,182	.18	103,163	1,147,019 (92)	1
Reid & Sons	8260589	10.51	Contour, Auger	N	152,460	.25	7,260	145,200 (95)	2
Howard Brothers Excavating	8320055	58.33	Area, Contour, Auger	N	1,050,945	.15	137,080*	913,865 (87)	0
Parsons Branch	8360302	1.68	Area	N	11,864	.20	3,480	8,384 (71)	1
Frasure Creek Mining	8360303	374.39	Area, Contour, Auger	N	26,257,162	.25	4,509,104	21,748,058 (83)	3
Matt Co Inc	8360304	116.18	Contour, Auger	N	2,722,748	.25	245,613*	2,477,135 (89)	0
The Elk Horn Coal Company	8360305	109.91	Contour, Auger	N	265,449	.30	0	265,449 (100)	0
Kincald Enterprises Inc	8480232	64.60	Contour, Auger	N	1,981,428	.20	79,806	1,901,622 (96)	3
Sandlick Coal Company	8480235	1,212.13	Contour, Auger	N	6,225,274	.25	0	6,225,274 (100)	0
Sequoia Energy LLC	8480237	80.10	Contour, Auger	N	3,265,335	.20	131,795	3,133,540 (96)	1
Sequoia Energy LLC	8480238	370.05	Contour, Auger	N	1,129,200	.20	0	1,129,200 (100)	0
Sturgeon Mining	8550174	80.53	Contour	N	2,704,500	.25	357,430	2,347,070 (87)	5
Whymore Coal Co	8550177	116.95	Contour	N	5,422,084	.19	300,125	5,121,959 (94)	1
R & T Coal Co Inc	8580173	7.08	Area	N	112,058	.15	0	112,058 (100)	0
Kentucky Chestnut	8580181	145.35	Area	Y	14,660,600	.20	1,841,000	12,819,600 (87)	5
Kentucky Prince Mining	8600403	591.50	Area	N	168,167,578	.21	18,975,839	149,191,739 (89)	7
B & W Resources Inc	8600405	297.96	Area	N	26,936,228	.25	17,324,071	9,612,157 (35)	2
Diamond May Coal	8600406	217.09	Area, Contour	Y	45,009,280	.25	9,696,307	35,312,973 (78)	1
Girdner Mining Company	8610475	9.70.	Area	N	54,722	.07	0	54,722 (100)	0
Jamleson Construction	8630291	335.38	Contour, Auger	N	12,140,755	.20	1,890,090	10,250,665 (73)	13
Sand Hill Coal	8630293	81.26	Contour, Auger	N	1,247,422	.18	0	1,247,422 (100)	0
Meadow Fork Mining	8640162	199..39	Area	N	49,543,000	.20	6,782,000	42,752,000 (86)	3
Miller Bros Coal Inc	8640176	637.78	Area, Contour, Auger	N	53,398,028	.20	11,605,881	57,632,544 (104)	9

Table 9 - Surface Mines - Continued

Company	Permit Number	Acres	Mine Type	AOC Variance (Y/N)	Swell/Swelled Overburden (yds <sup>3</sup> )	Predicted Swell Factor	Proposed Overburden Placed in Fills (yds <sup>3</sup> )	Proposed Overburden used in Reclamation/Percent (yds <sup>3</sup> %)	Number of Fills Proposed
B & C Energy Inc	8640178	33.11	Contour, Auger	N	847,729	.15	0	847,729 (100)	0
Dylan Mining LLC	8650072	28.60	Contour, Auger	N	410,432	.20	39,367	371,067 (90)	1
H & R Coal Company	8660265	40.00	Contour, Auger	N	57,000	.25	18,200	38,800 (68)	2
H & R Coal Company	8660269	6.00	Contour, Auger	N	8,430	.00	8,430	8,430 (100)	1
J & L Drilling Inc	8660271	209.90	Contour	N	21,066,313	.27	3,061,513	18,004,800 (85)	10
Bledsoe Coal	8660272	944.40	Contour, Auger	N	8,386,135	.20	2,367,107	6,019,028 (72)	7
Nally & Hamilton	8660276	300.39	Contour, Auger	N	11,042,020	.25	961,171	10,080,849 (91)	3
Nally & Hamilton	8670415	1,327.09	Contour, Auger	N	58,013,561	.25	7,225,877	50,787,684 (88)	2
Enterprise Mining	8670437	231.87	Contour, Auger	N	6,048,657	.20	0	6,271,635 (103)	0
Vonda Coal Company Inc	8670443	18.07	Contour, Auger	N	281,173	.10	0	281,173 (100)	0
Consol of Kentucky Inc	8670446	336.87	Contour, Auger	N	3,218,863	.25	909,540	2,309,323 (72)	1
Consol of Kentucky Inc	8670447	845.93	Area, Contour, Auger	N	11,981,359	.25	1,301,335	10,680,024 (89)	2
Martin County Coal	8800151	57.53	Contour, Auger	N	2,456,395	.25	275,858	2,180,537 (89)	1
Miller Bros Coal Inc	8800160	296.13	Area, Contour	N	27,133,239	.25	5,764,843	21,368,396 (79)	2
Morgan County Leasing	8880083	37.68	Area, Contour, Auger	N	1,030,345	.15	0	1,030,345 (100)	0
Crabtree Mining	8950157	165.17	Area, Contour	N	7,874,226	.20	948,499	6,925,727 (88)	9
T & T Coal Inc	8950160	37.01	Contour	N	1,116,083	.19	64,825	1,051,258 (94)	4
Candle Ridge Mining Inc	8970431	132.90	Contour, Auger	N	4,542,858	.25	0	4,542,858 (100)	0
Belfly Equipment	8980587	81.70	Contour, Auger	N	1,620,674	.25	159,785	1,460,889 (90)	2
Wellmore Coal	8980622	222.70	Area, Contour, Auger	N	17,794,439	.25	5,359,260	12,435,179 (70)	4
Wellmore Coal	8980635	344.63	Contour, Auger	N	34,800	.00	0	34,800 (100)	0
Basic Services Inc	8980638	15.50	Refuse Recovery	N	55,638	.25	0	0	0
Lewis Coal Sales	8980664	82.91	Area	N	9,012,607	.20	2,314,504	6,698,103 (74)	1
Premier Elkhorn Coal	8980682	816.40	Area, Contour, Auger	N	76,878,856	.20	30,891,263	45,987,593 (60)	10
Apex Energy Inc	8980700	171.40	Contour, Auger	N	745,237	.20	73,424	671,949 (90)	1
Acme Resources LLC	8980708	292.40	Contour, Auger	N	5,231,798	.30	300,892	4,930,906 (94)	2
Wash Ridge Coal Co Inc	9180378	113.30	Contour, Auger	N	6,488,291	.20	288,574	6,199,717 (96)	5

\* Fill Existing Wall

Table 10 - Underground Mines

Company	Permit Number	Acres	Mine Type	AOC Variance (Y/N)	Swelled Overburden (yds <sup>3</sup> )	Predicted Swell Factor	Proposed Overburden Placed in Fills (yds <sup>3</sup> )	Proposed Overburden used in Reclamation/Percent (yds <sup>3</sup> /%)	Number of Fills Proposed
Consol of Kentucky Inc	8365452	284.74	Underground	N	27,237	.20	4,840	22,397 (82)	1
The Elk Horn Coal Company	8365453	1,688.32	Underground	N*	67,558	.25	67,558	67,558 (100)	2
Consol of Kentucky Inc	8365455	3,362.30	Underground	N	4,778	.20	4,778	4,764 (100)	1
Matt Co Inc	8365458	116.94	Underground	N	3,001	.20	0	3,001 (100)	0
Rex Coal Company	8485415	956.63	Underground	N	19,033	.10	0	19,033 (100)	0
Sequoia Energy LLC	8485425	1,358.37	Underground	N	24,802	.20	24,802	24,802 (100)	1
Manalapan Mining	8485426	691.96	Underground	N	21,689	.00	21,689	21,689 (100)	1
Hendrickson Equipment	8605236	110.40	Underground	N	23,360	.10	23,360	23,360 (100)	2
Motts Branch Coal Inc	8605261	362.10	Underground, Contour, Auger	N	2,029,385	.20	70,729	1,958,666 (97)	1
Biedsoe Coal	8665134	2.37	Underground (Face-up Only)	N	6,129	.00	0	6,129 (100)	0
Harlan Reclamation	8675240	1,508.06	Underground	N	115,480	.20	19,246	96,234 (83)	2
Cook and Sons Mining Inc	8675284	599.63	Underground	N	29,276	.30	29,276	29,276 (100)	1
Consol of Kentucky Inc	8675285	243.00	Underground	N	60,362	.20	7,045	53,317 (88)	1
Martin County Coal	8805155	431.38	Underground	N	131,890	.25	10,308	121,582 (92)	3
Landmark Mining	8984144	503.00	Underground	N	18,616	.00	0	18,616 (100)	0
Sidney Coal Company	8984194	501.64	Underground	N	999	.00	0	999 (100)	0
Landmark Mining	8984214	272.43	Underground	N	24,194	.00	0	24,194 (100)	0
Central Appalachia	8984219	386.90	Underground	N	0	0	0	0	0
Wellmore Coal	8984221	3,386.00	Underground	N	0	0	0	0	0
Highwall Mining Company	8984233	27.70	Underground	N	32,704	.20	6,871	25,833 (79)	1
Patrick Processing LLC	8985912	533.56	Underground	N	10,554	.20	0	10,554 (100)	0

Table 11 - Other Mines

Company	Permit Number	Acres	Mine Type	AOC Variance (Y/N)	Swelled Overburden (yds <sup>3</sup> )	Predicted Swell Factor	Proposed Overburden Placed in Fills (yds <sup>3</sup> )	Proposed Overburden used in Reclamation/Percent (yds <sup>3</sup> /%)	Number of Fills Proposed
Frasure Creek Mining	8367008	20.01	Access Road	N	0	0	0	0	0
Consol of Kentucky Inc	860700R	61.70	Haul Road	N	0	0	0	0	0
Triton Enterprises Inc	8679016	6.60	Refuse Recovery	N	150,000	0	0	0	0
Premier Blkhorn	8679017	12.50	Refuse Recovery	N	438,000	0	153,300	15,330 (35)	1
Premier Blkhorn	8679018	28.90	Refuse Recovery	N	346,111	0	0	0	0

**APPENDIX A**

**MEASUREMENTS FROM PONDS TO MINE AREA  
AND EXCESS SPOIL FILLS**

**MEASUREMENTS FROM PONDS TO MINE AREA  
AND EXCESS SPOIL FILLS**

PERMITTEE NAME	PERMIT NUMBER	FILL NUMBER	POND NUMBER	POND STATUS	POND TO MINE	POND TO FILL	SEGMENT PERMITTED
CONSOL OF KENTUCKY INC	8365455	1	1	N	0	0	Yes
STURGEON MINING COMPANY INC	8550174	1	1	N	300	100	Yes
STURGEON MINING COMPANY INC	8550174	2	2	N	200	300	Yes
STURGEON MINING COMPANY INC	8550174	3	2	N	200	0	Yes
STURGEON MINING COMPANY INC	8550174	4	4	N	250	150	Yes
STURGEON MINING COMPANY INC	8550174	5	3	N	300	200	Yes
NALLY & HAMILTON ENTERPRISES	8670415	A	2	N	800	0	Yes
NALLY & HAMILTON ENTERPRISES	8670415	B	29,30	N	450	0	Yes
SANDLICK COAL COMPANY INC	8480190	2	4	E	1,200	600	Yes
SANDLICK COAL COMPANY INC	8480190	3	13	N	1,000	0	Yes
CONSOL OF KENTUCKY INC	8600390	3	3	E	100	800	Yes
CONSOL OF KENTUCKY INC	8600390	6	3	E	100	1,900	Yes
TRACE BRANCH COAL INC	9185177	1	17	N	600	25	Yes
TRACE BRANCH COAL INC	9185177	2	18	N	1,000	50	Yes
TRACE BRANCH COAL INC	9185177	3	19	N	200	25	Yes
AEP KENTUCKY COAL LLC	8980660	2	10	E	3,200	1,000	Yes
B & W RESOURCES INC	8600403	1	1	N	400	200	Yes
B & W RESOURCES INC	8600405	2	1	N	400	250	Yes
DIAMOND MARY COAL COMPANY	8605238	1	3	N	25	25	Yes
BEACH FORK PROCESSING INC	8800152	4	3	E	150	500	Yes
BEACH FORK PROCESSING INC	8800152	11	2	E	100	700	Yes
BEACH FORK PROCESSING INC	8800152	12	2	E	100	300	Yes
BEACH FORK PROCESSING INC	8800152	13	1	E	250	2,000	Yes
MARTIN COUNTY COAL CORPORATION	8800151	14	1	E	250	650	Yes
SUNNY RIDGE MINING COMPANY INC	8980473	8	16	E	100	25	Yes
PREMIER ELKHORN COAL COMPANY	8980498	2	1	E	500	900	Yes
PREMIER ELKHORN COAL COMPANY	8980498	3	2	N	100	100	Yes
PREMIER ELKHORN COAL COMPANY	8679017	1	1	N	0	500	Yes
BELFRY EQUIPMENT COMPANY INC	8980587	1	2	E	100	600	Yes
BELFRY EQUIPMENT COMPANY INC	8980587	2	2	E	100	1,700	Yes
CONSOL OF KENTUCKY INC	8675285	1	1	N	0	0	Yes
MOTT'S BRANCH COAL INC	8605261	1	1	N	100	50	Yes
J & L DRILLING INC	8660271	1	2	N	750	1,400	Yes
J & L DRILLING INC	8660271	2	2	N	750	1,500	Yes
J & L DRILLING INC	8660271	3	2	N	750	1,800	Yes
J & L DRILLING INC	8660271	4	2	N	750	500	Yes
J & L DRILLING INC	8660271	5	3	N	600	500	Yes
J & L DRILLING INC	8660271	6	11	N	550	900	Yes
J & L DRILLING INC	8660271	7	11	N	550	950	Yes
J & L DRILLING INC	8660271	9	17	N	500	500	Yes
J & L DRILLING INC	8660271	10	17	N	500	800	Yes
J & L DRILLING INC	8660271	11	17	N	500	1,200	Yes
MASSIVE MINING INC	8675195	BF1	4	E	50	250	Yes
MASSIVE MINING INC	8675195	BF2	4	E	50	300	Yes
MASSIVE MINING INC	8675195	1A	1A	N	0	400	Yes
MASSIVE MINING INC	8675195	2A	1A	N	0	600	Yes
MASSIVE MINING INC	8675195	3A	1A	N	0	600	Yes
LESLIE RESOURCES INC	8970390	7	7	N	250	0	Yes
LESLIE RESOURCES INC	8970390	8	8	N	300	0	Yes
LESLIE RESOURCES INC	8970390	9	9	N	200	0	Yes

PERMITTEE NAME	PERMIT NUMBER	FILL NUMBER	POND NUMBER	POND STATUS	POND TO MINE	POND TO FILL	SEGMENT PERMITTED
LESLIE RESOURCES INC	8970390	10	10	N	200	0	Yes
MOTTS BRANCH COAL INC	8365435	1	1	N	100	100	Yes
D & A EQUIPMENT INC	8580167	3	4	E	0	300	Yes
D & A EQUIPMENT INC	8580167	5	6	E	0	200	Yes
D & A EQUIPMENT INC	8580167	8	14	E	100	550	Yes
H & R COAL COMPANY	8660269	1	1	N	0	150	Yes
REID & SONS CONSTRUCTION	8260589	1	1	N	100	50	Yes
REID & SONS CONSTRUCTION	8260589	2	1	N	100	150	Yes
THE ELK HORN COAL COMPANY LLC	8365453	1	1	N	450	400	Yes
THE ELK HORN COAL COMPANY LLC	8365453	2	1	N	450	50	Yes
CONSOL OF KENTUCKY INC	8365452	4	7	N	100	25	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	2	2	N	200	0	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	3	3	N	150	0	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	4	4	N	200	50	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	5	5	N	150	100	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	6	6	N	100	100	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	7	7	N	100	100	Yes
KENTUCKY PRINCE MINING COMPANY	8600403	8	8	N	100	0	Yes
DIAMOND MAY COAL COMPANY	8600406	7	27	N	500	150	Yes
VERNON SPURLOCK	8260568	1	1	N	200	100	Yes
VERNON SPURLOCK	8260568	2	2	N	200	200	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	1	2	E	900	1,200	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	2	2	E	900	1,200	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	3	3	N	0	0	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	4	B3	N	0	100	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	5	B3,B5	N	0	0	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	6	9	N	50	50	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	7	4	N	150	150	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	8	5	N	200	200	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	9	5, B2	N	200	400	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	10	B1,B2	N	0	0	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	11	7	N	0	0	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	12	B4	N	0	0	Yes
JAMIESON CONSTRUCTION COMPANY	8630291	13	6	N	200	500	Yes
APEX ENERGY INC	8980700	1	1	N	200	400	Yes
CENTRAL APPALACHIA MINING LLC	8984216	C	1	E	300	400	Yes
CENTRAL APPALACHIA MINING LLC	8984216	D	1	E	300	800	Yes
CENTRAL APPALACHIA MINING LLC	8984216	E	1	E	300	900	Yes
D & M LAND WORKS LLC	8610470	9	1	E	150	600	Yes
D & M LAND WORKS LLC	8610470	10	1	E	150	600	Yes
BLEDSOE COAL CORPORATION	8665098	1	1	E	50	50	Yes
RICHARD COLLINS	8260564	1	1	N	100	100	Yes
RICHARD COLLINS	8260564	2	3	N	150	75	Yes
MARTIN COUNTY COAL CORPORATION	8800151	1	150	E	400	1,000	Yes
DYLAN MINING LLC	8650072	1	3	N	500	100	Yes
J & M EQUIPMENT & CONSTRUCTION	8580168	1	8A,9A	N	0	0	Yes
MARLAN RECLAMATION SERVICES	8675223	BF	1	N	0	250	Yes
CONSOL OF KENTUCKY INC	8670447	A	1	N	150	550	Yes
CONSOL OF KENTUCKY INC	8670447	B	2	N	150	100	Yes
MARTIN COUNTY COAL CORPORATION	8805155	1	4	N	100	100	Yes
MARTIN COUNTY COAL CORPORATION	8805155	2	41	N	0	0	Yes
MARTIN COUNTY COAL CORPORATION	8805155	3	37	N	0	0	Yes
F D JUSTICE II LLC	8980692	2	2	E	200	2,000	Yes

PERMITTEE NAME	PERMIT NUMBER	FILL NUMBER	POND NUMBER	POND STATUS	POND TO MINE	POND TO FILL	SEGMENT PERMITTED
FD JUSTICE II LLC	8980692	BF4	D2	E	0	0	Yes
BEAR FORK RESOURCES LLC	8980674	9	44	N	200	400	Yes
BEAR FORK RESOURCES LLC	8980674	10	45	N	200	50	Yes
HIGWALL MINING COMPANY OF VIRG	8984233	BF1	D1	N	50	50	Yes
KINCAID ENTERPRISES INC	8480232	BF1	2,3	N	0	0	Yes
KINCAID ENTERPRISES INC	8480232	AF1	1	N	50	0	Yes
KINCAID ENTERPRISES INC	8480232	AF2	2	N	0	100	Yes
SLY BRANCH ENERGY INC	8368410	TF2	3	N	50	100	Yes
CONSOL OF KENTUCKY INC	8605260	3	15	N	250	50	Yes
MCCOY ELKHORN COAL CORPORTION	8984093	SSA	28	N	600	200	Yes
MCCOY ELKHORN COAL CORPORTION	8984093	PA194	28	N	600	200	Yes
H & R COAL COMPANY	8660265	BF1	1	N	200	300	Yes
H & R COAL COMPANY	8660265	BF2	2	N	0	200	Yes
MILLER BROS COAL INC	8640176	A	1	N	50	500	Yes
MILLER BROS COAL INC	8640176	B	2	N	150	100	Yes
MILLER BROS COAL INC	8640176	C	3	N	200	50	Yes
MILLER BROS COAL INC	8640176	D	4	N	250	150	Yes
MILLER BROS COAL INC	8640176	E	5	N	200	100	Yes
MILLER BROS COAL INC	8640176	F	6	N	150	200	Yes
MILLER BROS COAL INC	8640176	G	8	N	150	50	Yes
MILLER BROS COAL INC	8640176	H	7	N	200	25	Yes
MILLER BROS COAL INC	8640176	I	9	N	200	50	Yes
FCDC COAL INC	8365427	2	3	N	0	0	Yes
CLINTWOOD ELKHORN MINING CO	8985928	12	12	E	0	0	Yes
STURGEON MINING COMPANY INC	8970442	6	3	N	500	300	Yes
ROAD FORK DEVELOPMENT COMPANY	8980639	1	1	E	2,100	3,200	Yes
JAMIESON CONSTURCTION COMPANY	8070292	12	12	N	50	350	Yes
JAMIESON CONSTURCTION COMPANY	8070292	13	12	N	50	450	Yes
JAMIESON CONSTURCTION COMPANY	8070292	AREA2	16	N	50	0	Yes
JAMIESON CONSTURCTION COMPANY	8070292	AREA3	14	N	350	550	Yes
STRONG BROTHERS MINING	8130260	S04	504	N	200	100	Yes
STRONG BROTHERS MINING	8130260	S05	505	N	150	50	Yes
STRONG BROTHERS MINING	8130260	S06	602	N	100	50	Yes
SAND HILL ENERGY INC	8260585	1	1	N	200	100	Yes
WASH RIDGE COAL CO INC	9180378	1	3	N	300	0	Yes
WASH RIDGE COAL CO INC	9180378	BF1	3	N	300	300	Yes
WASH RIDGE COAL CO INC	9180378	BF2	3	N	300	450	Yes
WASH RIDGE COAL CO INC	9180378	BF3	5	N	180	250	Yes
WASH RIDGE COAL CO INC	9180378	BF4	5	N	150	250	Yes
SEQUOIA ENERGY LLC	8485425	BF	1	N	250	300	Yes
KENTUCKY CHESTNUT COALS INC	8580181	1	1	N	1,000	1,400	Yes
KENTUCKY CHESTNUT COALS INC	8580181	2	1	N	1,000	2,100	Yes
KENTUCKY CHESTNUT COALS INC	8580181	3	1	N	1,000	2,600	Yes
KENTUCKY CHESTNUT COALS INC	8580181	4	6	N	300	50	Yes
KENTUCKY CHESTNUT COALS INC	8580181	5	4	N	350	50	Yes
HARLAN RECLAMATION SERVICES	8675240	BF1	1	N	600	1,000	Yes
HARLAN RECLAMATION SERVICES	8675240	BF2	1	N	600	1,200	Yes
BLEDSOE COAL CORPORATION	8660272	1	1775	N	450	800	Yes
BLEDSOE COAL CORPORATION	8660272	2	1769	N	600	1,600	Yes
BLEDSOE COAL CORPORATION	8660272	3	1771	N	900	500	Yes
BLEDSOE COAL CORPORATION	8660272	4	1775	N	450	2,700	Yes
BLEDSOE COAL CORPORATION	8660272	5	1775	N	450	600	Yes
BLEDSOE COAL CORPORATION	8660272	6	1776	N	600	800	Yes

PERMITTEE NAME	PERMIT NUMBER	FILL NUMBER	POND NUMBER	POND STATUS	POND TO MINE	POND TO FILL	SEGMENT PERMITTED
BLEDSOE COAL CORPORATION	8660272	7	1772	N	400	700	Yes
MILLER BROS COAL INC	8800160	1	1	E	330	500	Yes
MILLER BROS COAL INC	8800160	2	1	E	350	500	Yes
T & T COAL INC	8950160	1	1	N	100	50	Yes
T & T COAL INC	8950160	2	1	N	100	50	Yes
T & T COAL INC	8950160	3	3	N	100	100	Yes
T & T COAL INC	8950160	4	4	N	200	75	Yes
WELLMORE COAL CORPORATION	8980622	1	1	N	700	0	Yes
WELLMORE COAL CORPORATION	8980622	2	2A	N	200	50	Yes
WELLMORE COAL CORPORATION	8980622	3	3	N	230	100	Yes
WELLMORE COAL CORPORATION	8980622	4	4	N	300	50	Yes
MOTT'S BRANCH COAL INC	8363429	5	8	N	300	50	Yes
MOTT'S BRANCH COAL INC	8363429	6	9	N	350	50	Yes
CZAR COAL CORPORATION	8805139	SSA2	3	N	50	50	Yes
PARSONS BRANCH DEVELOPMENT	8360302	1	NA				Yes
FRASURE CREEK MINING LLC	8360303	1	2	N	800	2,500	Yes
FRASURE CREEK MINING LLC	8360303	2	1A	N	1,000	1,100	Yes
FRASURE CREEK MINING LLC	8360303	3	1A	N	1,000	1,900	Yes
COOK AND SONS MINING INC	8675284	1	1	N	25	25	Yes
DOUBLE K MINING INC	8220053	1	1	N	300	25	Yes
HENDRICKSON EQUIPMENT INC	8605236	1	1	N	50	50	Yes
HENDRICKSON EQUIPMENT INC	8605236	2	2	N	50	50	Yes
HARLAND-CUMBERLAND COAL CO LLC	8485416	2	4	N	400	50	Yes
HARLAND-CUMBERLAND COAL CO LLC	8485416	SSA3	6	N	25	25	Yes
LESLIE RESOURCES INC	8660196	11	11	N	1,000	400	Yes
UNITED FARMING INC	8550168	3	4	E	300	200	Yes
UNITED FARMING INC	8550168	4	6	E	0	150	Yes
UNITED FARMING INC	8550168	5	7	E	50	100	Yes
UNITED FARMING INC	8550168	6	8	E	100	200	Yes
UNITED FARMING INC	8550168	7	4	E	300	3,200	Yes
LEWIS COAL SALES LLC	8980664	1	1	N	800	0	Yes
PREMIER ELKHORN COAL COMPANY	8980682	1A	1	N	100	50	Yes
PREMIER ELKHORN COAL COMPANY	8980682	1B	1	N	100	75	Yes
PREMIER ELKHORN COAL COMPANY	8980682	2A	2	N	400	25	Yes
PREMIER ELKHORN COAL COMPANY	8980682	3	4	N	600	25	Yes
PREMIER ELKHORN COAL COMPANY	8980682	4	5	N	450	50	Yes
PREMIER ELKHORN COAL COMPANY	8980682	5	6	N	400	25	Yes
PREMIER ELKHORN COAL COMPANY	8980682	6	7	N	350	900	Yes
PREMIER ELKHORN COAL COMPANY	8980682	7	8	N	1,500	25	Yes
PREMIER ELKHORN COAL COMPANY	8980682	8	9	N	100	25	Yes
PREMIER ELKHORN COAL COMPANY	8980682	9	10	N	100	25	Yes
MEADOW FORK MINING CO LLC	8640162	1	1	N	100	200	Yes
MEADOW FORK MINING CO LLC	8640162	2	3	N	100	300	Yes
MEADOW FORK MINING CO LLC	8640162	3	5	N	150	50	Yes
CONSOL OF KENTUCKY INC	8670446	1	SCS1	N	400	200	Yes
CRABTREE MINING ENTERPRISES	8950157	1	1	N	150	50	Yes
CRABTREE MINING ENTERPRISES	8950157	2	2	N	100	50	Yes
CRABTREE MINING ENTERPRISES	8950157	3	2	N	100	150	Yes
CRABTREE MINING ENTERPRISES	8950157	4	4	N	75	25	Yes
CRABTREE MINING ENTERPRISES	8950157	5	5	N	100	50	Yes
CRABTREE MINING ENTERPRISES	8950157	6	6	N	200	200	Yes
CRABTREE MINING ENTERPRISES	8950157	7	7	N	100	50	Yes
CRABTREE MINING ENTERPRISES	8950157	9	21	N	200	50	Yes

PERMITTEE NAME	PERMIT NUMBER	FILL NUMBER	POND NUMBER	POND STATUS	POND TO MINE	POND TO FILL	SEGMENT PERMITTED
CRAIBTREE MINING ENTERPRISES	8950157	10	1	N	130	50	Yes
CARR FORK DEVELOPMENT INC	8600409	1	8	N	230	200	Yes
CENTRAL APPALACHIA MINING LLC	8984218	B	4	N	0	300	Yes
CENTRAL APPALACHIA MINING LLC	8984218	C	5	N	0	0	Yes
SEQUOIA ENERGY LLC	8480237	SSA	1	N	0	0	Yes
MANALAPAN MINING COMPANY INC	8485426	B1	K1	N	0	0	Yes
ACME RESOURCES LLC	8980708	BF2	5	N	200	25	Yes
ACME RESOURCES LLC	8980708	HF3	2	N	0	600	Yes
CLOVERFORK MINING & EXCAVATING	8480172	5	22	N	0	0	Yes
NALLY & HAMILTON ENTERPRISES	8660276	1	6	N	250	100	Yes
NALLY & HAMILTON ENTERPRISES	8660276	2	7	N	200	50	Yes
NALLY & HAMILTON ENTERPRISES	8660276	3	7	N	200	700	Yes
WHYMORE COAL COMPANY	8550177	SSA	17	N	50	50	Yes

## **Appendix F**

### **MSHA-Class Impoundment Inventory**



Site Status:  
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## MSHA Class Impoundment Inventory

Permittee (Impoundment Name)	Permit Number	MSHA Number	Site Status	Type	Site Conditions	Previous Breakthroughs (Date)	Comments
Straight Creek Coal Resource (Stoney Fork Impoundment)	407-8004	KY07-07145-01	A	Slurry	Active, impounding water.	No	
17 West Mining Inc (Slurry Cells D1, D2 & D5)	480-0046	KY06-00143-04	IN, 8/00	Slurry Cells	Inactive cells 99% full.	No	Cell D2 only one in proximity of underground works. Spoil material against narrow barrier.
Leslie Resources, Inc (Hollybush Dam)	497-0122	KY07-07089-01	A	Fresh Water	Active, impounding water.	No	Sediment control structure.
Leslie Resources, Inc (Wiley Miller Dam)	497-0122	KY07-07089-02	A	Fresh Water	Active, impounding water.	No	Sediment control structure.
Jericol Mining Inc (Louder Creek Slurry Imp)	648-8001	KY07-07015-06	IN, 1989	Slurry	Inactive, impounding water at upper end.	No	Inactive - unlikely to reactivate- plan to contour Creek coal bed to generate spoil to reclaim. Darby pillared.
Martin County Coal Corp (Big Branch Impoundment)	680-8002	KY06-00035-01	IN, 10/00	Slurry	Closure plan approved.	Yes 5/94 and 10/00	Breakthrough into underground works occurred 10/11/00. MSHA & OSM investigations conducted into the causes of the breakthrough. Capping of impoundment initiated.
Buckhorn Processing Co (Harris Branch Slurry Imp)	697-8005	KY07-07046-04	IN, 1/97	Slurry	Inactive, impounding water.	Yes, two prior released thru #7	Experimental Practice proposed for fly ash disposal was withdrawn. Water level pumped down. According to DNR, little water remains. Abandonment plan & 1991. Sinkhole approved by MSHA.
Buckhorn Processing Co (Sediment Dam)	697-8005	KY07-07046-01	A	Fresh Water	Inactive, impounding water. Silt control for entire permit. Berm blocks emergency spillway water from old opening.	No	No structural problem noted. Silt control for Lower, Upper, and Harris Branch slurry dams.
Buckhorn Processing Co (Lower South Fork Dam)	697-8005	KY07-07046-03	IN, 1990	Slurry	Inactive, not impounding water.	No	Impoundment capped off with old refuse and has no freeboard at the embankment. To be remined.

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Buckhorn Processing Co (Upper South Fork Dam)	697-8005	KY07-07046-02	IN, 1990	Slurry	Inactive, not impounding water. Crest at 1379.	No	Impoundment full of dried slurry up to the spillway elevation. To be remined. Slurry elevation at 1369' - emergency spillway.
Island Creek Coal Company (Ohio #11 Freshwater)	713-5000	KY10-08021-01	A	Fresh Water	Active, impounding water.	No	MSHA cited for steep of slope.
Island Creek Coal Company (Ohio #11 Slurry)	713-5000	KY10-08021-02	IN, 1999	Slurry	Inactive, impounding water.	No	MSHA cited for erosion on south side.
Island Creek Coal Company (Hamilton 2 Freshwater)	713-5001	KY10-08024-02	IN, 1996	Fresh Water	Active, impounding water.	No	Slopes to steep per MSHA. Due to be abandoned by lowering water level to four feet.
Island Creek Coal Company (Hamilton 1 Freshwater)	713-5002	KY10-08020-01	IN, 1984	Fresh Water	Inactive, full of sediment.	No	
Island Creek Coal Company (Hamilton 1 Slurry)	713-5002	KY10-08020-04	IN, 1984	Slurry	Inactive, full but not abandoned.	No	
Island Creek Coal Company (Hamilton 1 Freshwater)	713-5002	KY10-08020-07	A	Fresh Water	Active, full but not abandoned.	No	
Island Creek Coal Company (Hamilton 1 Slurry)	713-5002	KY10-08020-06	IN, 1999	Slurry	Inactive.	No	Minor erosion.
Chas Coal, LLC/CC Coal Co. (Sims Fork Dam)	807-0296	KY07-07066-04	RC	Fresh Water			Pond removed 12/17/00. Reclaimed.
Left Fork Mining Inc (Ajjay Impoundment)	807-8029	KY07-07004-02	A	Slurry	Active, impounding very little water.	No	Built on existing refuse pile. Starter dam constructed, but no additional refuse or slurry has been put in it.
Chas Coal, LLC/CC Coal Co. (Little Camp Branch Slurry Imp)	807-8041	KY07-07066-02	IN, 06/03	Slurry	Active, impounding water. Small fire extinguished on site. Seepage in 1st lift. No instability noted. Water has been drawn down.	No	Black water from ruptured decent pipe in 1991. Breakthrough report says material above #4 not competent. #4 under embankment & pool. Active UG in #7 mining towards impoundment & dam. Later inspection found water has been lowered. Previous permit #807-8036.
Chas Coal, LLC/CC Coal Co. (Little Camp Branch Dam)	807-8041	KY07-07066-01	A	Fresh Water	Active silt basin.	No	Slit control for Little Camp Branch Slurry Impoundment. Previous permit#807-8036.
Bell County Coal Corporation (Coppers Fork Impoundment)	807-9002	KY07-07039-04	A	Slurry	Active, impounding water.	No	MSHA to raise impoundment to "High Hazard."

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Addington Mining, Inc (Sediment Pond 002)	813-8010	KY07-07071-01	A	Fresh Water	Active, impounding water.	No	Sediment control structure. AMD site. Pool pumped to 401 refuse impoundment.
Addington Mining, Inc (Slurry Impoundment 401)	813-8010	KY07-07071-02	A	Slurry	Active, impounding water.	No	AMD site. Large seeps in left groin ditch.
ICG Hazard/Leslie Resources Inc (Fugate Fork Slurry)	813-8018	KY07-07022-05	IN, 2/97	Slurry	Inactive, impounding water.	No	Heavy vegetation on embankment. Little water being impounded.
Chas Coal/Ikeed Bandy Company Inc (Bloss Branch Impoundment)	826-8028	KY07-07052-05	IN, 1998	Slurry	Inactive, impounding water.	No	In process of reactivation. Old permit number 826-8023.
Green Coal Co (K-Nine Slurry)	830-8003	KY10-08029-01	AB, 6/94	Slurry	Abandoned, impounding water.	No	Bond forfeiture, AMD site.
Kentucky Processing Company (Effluent Pond)	833-8002	KY07-07016-05	IN, 1994	Fresh Water	Inactive, impounding water.	No	Trees on the levee outslope.
Kentucky Processing Company (Calines Pond)	833-8002	KY07-07016-07	IN 1994	Slurry	Inactive, impounding water.	No	Inactive for seven years.
Kentucky Processing Company (Puckett Impoundment)	833-9002	KY07-07016-09	IN, 1994	Slurry	Inactive, seep below embankment. Scarp on downstream face. Principal spillway pipe blocked at outlet end.	No	Slurry water draining from adjacent refuse. MSHA Red Tagged lower decant.
FCDC Coal Inc (Bulder Branch Impoundment)	836-8041	KY06-00002-02	A	Slurry	Active, impounding water. Seep located on left side of embankment. #2 covered by coarse refuse on right side (old break through area).	Yes, 1990	No decant. Pumps used to lower water level.
Bledsoe Coal Corporation (Gabes Creek Slurry Imp)	848-8040	KY07-07063-02	A	Slurry	Impoundment being reclaimed.	No	Decant leaking. Preparation plant removed several years ago. NC issued requiring reclamation.

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Manalapan Mining Co., Inc (Beartree Branch Slurry Imp)	848-8045	KY07-07010-04	A	Slurry	Active, impounding small amount of water. Wick drain. Harlan seam has seals. Seepage barrier in place.	No	MSHA has asked for drilling and issued a citation. DNR has approved a seepage barrier on both Harlan & Upper Harlan seams. MSHA did not approve the seepage barrier plan.
Harlan Cumberland Coal Co (Turkeypen Branch Slurry Imp)	848-8059	KY07-07029-07	A	Slurry	Active, impounding water. Darby pillared. Seepage barrier on Darby seam.	Yes - 09/94	Breakthrough seals constructed per MSHA. Old Darby audit in impoundment. Previous permit #848-8006.
Harlan Cumberland, LLC/ Manalapan Mining (Abner Fork Slurry Impoundment)	848-8071	KY07-07011-10	A	Slurry	Active, impounding a small amount of water. Wick drain. Nearing completion.	No	Harlan seam has been pillared in rear of impoundment. Mined after impoundment in place. Darby opening into embankment, under impoundment in rear. Harlan seam needs breakthrough analysis. Does not meet the 60T. Previous permit #648-8003.
New Horizons Coal Inc (Left Fork Impoundment)	848-9004	KY07-00015-09	IN, 9/03	Slurry	Inactive, impounding water.	No	Seep in 2nd lift on left side of embankment. Reactivated 8/01. Convert to non-impounding cells.
New Horizons Coal Inc (Right Fork Impoundment)	848-9005	KY07-00015-01	IN, 6/96	Slurry	Inactive, water impounded, prior seep in the embankment. Abandonment plan submitted.	No	Three openings in Harlan seam sealed with rock and coarse refuse. Abandonment plan disapproved by MSHA. Agreement with DNR to reclaim.
Resources Land Company, LLC/Mountain Labor, LLC (Pounding Mill Impoundment)	848-9018	KY07-16454-01	A	Slurry	Active.		
Charolais Coal/Centennial Resources (Mark Energy)	854-8011	KY10-08042-01	IN, 06/99	Slurry	Inactive, impounding water.	No	Decant leaking. AMD site. Extent of old underground works unknown. MSHA information shows that UG works were surface mined out under embankment and pool. There is 100' barrier between pool and remaining works. Previous permit #854-8008.

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Beech Fork Processing Inc (Lackey Branch Impoundment)	858-9000	KY06-00281-02	A	Slurry	Active, impounding water.	No	Haddix's UG projected to closer to impoundment. Coalburg day lights in left rear side.
Starfire Mining Co (Buckhorn Creek Dam)	860-0003	KY07-07150-01	A	Fresh Water	Not Started.		
Starfire Mining Co (Long Fork Impoundment)	860-0003	KY07-07150-02	A	Slurry	Not Started.		
Moss Branch Coal Inc (Big Branch Impoundment)	860-8011	KY07-07005-08	IN, 11/95	Slurry			No spillway. Pump used to control water level. 100' of freeboard.
Consol of Kentucky, Inc (Four Mile Branch Impoundment)	860-9000	KY07-07108-01	A	Slurry	Active, impounding water.	No	
Consol of Kentucky, Inc (Four Mile Branch Sediment)	860-9000	KY07-07108-02	A	Fresh Water	Active, not an MSHA structure at present.	No	This is a sediment pond for the #34 slurry impoundment.
Diamond May Coal Co (Brushy Fork Slurry Impoundment)	860-9002	KY07-07073-02	A	Slurry	Active, impounding water.	No	#4 not pillared. #7 contoured, augered, & underground mined. Not sealed.
Knott County Coal Co (King Branch Impoundment)	860-9004	KY07-07113-03	A	Slurry	Active, new spillway constructed.	No	Permit does not show the correct coal seam elevation for Elkhorn #3.
Starfire Mining Co (Lick Branch Impoundment)	860-9005	KY07-07149-01	IN 1999, 1st half	Slurry	No activity.	No	1,200 GPM seep on left abutment. Starfire is suppose to build to build a grout curtain to control the seep.
CH Development, LLC (Freshwater Pond)	861-8011	KY07-07012-01	A	Fresh Water	Active, currently used as sediment pond.	No	
CH Development, LLC (Pond of Reeds)	861-8011	KY07-07012-02	A	Fresh Water	Active, currently used as sediment pond.	No	
CH Development, LLC (Module No. 1)	861-8011	KY07-07012-05	IN, 3/94	Slurry	Inactive, completely dry.	No	
CH Development, LLC (Module No. 2)	861-8011	KY07-07012-06	IN, 3/94	Slurry	Inactive, completely dry.	No	
CH Development, LLC (Module No. 3)	861-8011	KY07-07012-07	IN, 3/94	Slurry	Inactive, completely dry. Capped & sealed.	No	Dry since 1994. Reclaimed.

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CH Development, LLC (Module No. 4)	861-8011	KY07-07012-08	IN, 3/94	Slurry	Inactive, completely dry. Capped & sealed.	No	Dry since 1994. Reclaimed.
CH Development, LLC (Module No. 5)	861-8011	KY07-07012-10	A	Slurry	Active, being remined.	No	Remining approved in revision #5.
CH Development, LLC (Module No. 6)	861-8011	KY07-07012-11	A	Slurry	Active, completely dry.	No	Will be remined.
CH Development, LLC (Module No. 7)	861-8011	KY07-07012-12	A	Slurry	Active, completely dry.	No	Used to facilitate remining cell #5.
Levisa Fork Mining Company (Bear Branch Impoundment)	864-9001	KY06-00385-01	A	Slurry	New impoundment. Small seep on 1st lift of right abutment.		Amend. #2 - Change from cells to impoundment.
Bledsoe Coal Corporation (Britton Branch Slurry Imp.)	866-0236	KY07-07049-05	A	Slurry	Active, impounding five to eight feet water.	No	#4 pillars not pulled. Crest higher than approved by MSHA.
Bledsoe Coal Corporation (Robin Branch Dam)	866-0237	KY07-07102-01	A	Fresh Water	Active, impounding water.	No	Subsidence evaluation found no problems with pillaring.
Bledsoe Coal Corporation (Stonecoal II Impoundment)	866-0256	KY07-07095-03	A	Slurry	Proposed Impoundment.		Proposed Impoundment. #7 & #8 overburden to be used in the embankment construction.
Shanrock Coal Company Inc (Roark Branch Dam)	866-5036	KY07-07115-01	A	Fresh Water	Active, only activity is water drawdown.	No	Abandoned longwall mined under pool. Underground works expected to contain pool if subsidence occurs. Underground works are abandoned.
Appalachian Fuels, LLC/Straight Creek Coal Resource (Lovely Branch Impoundment)	866-5136 866-5128	KY07-07087-01 IN, 01/02	Slurry	Inactive impounding water.	No		Active mining in Copeland. #4A not pillared.
Bledsoe Coal Corporation (Half Mile Slurry Impoundment)	866-8008	KY07-07051-03	A	Slurry	Active, impounding water.	No	Substantial seeps in embankment. Revision submitted to match MSHA approval. Proposes raising decent 52 feet.
Shanrock Coal Company Inc (Adams Fork Slurry Imp.)	866-9001	KY07-07095-01	A	Slurry	Active, initial stage. Seep on right side.		Slopes on last lift may need regrading.
Leslie Resources Inc (Left Fork Slurry Impoundment)	866-9006	KY07-07058-09	IN, 1989	Slurry	Inactive, impounding water.	No	Never used for slurry. Does have coarse refuse disposal at embankment.

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**MSHA Class Impoundment  
Inventory**

Permittee (Impoundment Name)	Permit Number	MSHA Number	Site Status	Type	Site Conditions	Previous Breakthroughs (Date)	Comments
Enterprise Mining Co. LLC/Coastal Coal Co. LLC (Oldhouse Branch Imp.)	867-8051 867-8048	KY06-00244-01	A	Slurry	Active, impounding water.	No	
Consol of Kentucky, Inc. (Mill Creek Impoundment)	867-9007	KY06-00110-01	A	Slurry	Active, impounding water.	No	
Sapphire Coal Co/Cook & Sons/Golden Oak Mining Co. (Clay Hollow Impoundment)	867-9020 867-8047	KY06-00277-01	A	Slurry	Active, impounding water.	No	DNR instructed to maintain pool level. Three core holes drilled. Previous permit #867-8021.
Roadside Processing, Inc (No. 2 FW Dam)	874-8003	KY07-07050-07	IN 1980s	Fresh Water	Inactive, impounding water.	No	AMD site. Ph 2.5.
Southfork Coal Company (Justus Dam)	874-8004	KY07-07013-03	IN, 1998	Fresh Water	Inactive, impounding water.	No	
Roadside Processing, Inc (Copperas Fork Imp.)	874-9005	KY07-07050-11	IN 1980s	Slurry	Inactive, impounding water.	No	AMD site. Ph 3.5.
17 West Mining Inc (Peter Cave Dam)	880-0003	KY06-00143-02	A	Fresh Water	Active, impounding water.	No	Question about a four foot pipe in five foot outlet.
Czar Coal Corporation (Big Hollow Impoundment)	880-8002	KY06-00034-01	A	Slurry	Active, impounding water.	No	MSHA approved. UG mined around impoundment but not in it.
Czar Coal Corporation (Grassy Gap Impoundment)	880-8002	KY06-00199-01	A	Fresh Water	Active, used for prep plant water.	No	Pre-Law structure.
Peter Cave Mining/Wolf Creek Collieries (Holtby Branch Impoundment)	880-8008	KY06-00051-04	IN, 10/95	Slurry	Inactive, impounding water. Seepage barrier of unknown thickness above Coalburg seam.	No	Received slurry from Martin Co. spill. Hold pond at 91' seeps investigated. NC to reclaim. Previous permit #480-803. Abandonment plan pending with MSHA.
Ken American Resources (Paradise Mine Freshwater)	889-5009	KY10-08048-01	A	Fresh Water	Active, impounding water.	No	Final pit pond. Incised to #11 coalbed. Dike between pool and entries.
Peabody Coal Company (River Queen Slurry)	889-8000	KY10-08001-01	IN, 07/91	Slurry	Inactive, impounding water.	Yes, 1985	
Peabody Coal Company (Centerprep Freshwater)	892-5000	KY10-08012-07	IN, 12/86	Fresh Water	Inactive, impounding water.	No	This pond consist of two cells. Silt control for slurry & FW pond.
Peabody Coal Company (Centerprep Slurry)	892-5000	KY10-08012-08	IN, 12/86	Slurry	Inactive, impounding water.	No	Dam is narrow and steep.

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Pine Branch Coal Sales, Inc (Dam No. 5N)	897-0011	KY07-070982-01	A	Fresh Water	Active, impounding water.	No	
Leeco, Inc. (Buckeye Creek Impoundment)	897-0287	KY07-00094-01	A	Slurry	Active impounding water. Amburgesy under back of pool. Seep in right side of embankment.	No	Seep cited in April 1999.
BDCC Holdings Co., Inc (Stonecoal Branch Impoundment)	897-0339	KY07-00028-02	A	Slurry	Active impounding water. Active stripping in #5A. Slurry >20' below 5A. Approved crest would cover 5A. Proposed seepage barrier on Leatherwood seam.	No	Old 5A portal in rear of impoundment. Pumps control water level.
BDCC Holding Co., Inc (Saddle Fork Slurry Impoundment)	897-0387	KY07-00028-10	IN, 4/99	Slurry	Inactive, no water impounded. Pillared, openings, angled. Slurry slightly above 5A. Proposed seepage barrier on 5A seam.	Yes - 03/99	Wicks drains carrying natural water. No slurry being pumped into impoundment. Became inactive because of leak. Company has proposed contouring 5A seam around pool area to seal.
Leslie Resources Inc (Rowdy Branch Dam)	897-0395	KY07-07097-01	A	Fresh Water	Active, impounding water.	No	
Leslie Resources Inc (Cockrell Dam)	897-0395	KY07-07118-01	A	Fresh Water	Active, impounding water.	No	
BDCC Holding Co., Inc (Lick Fork Slurry Impoundment)	897-5048	KY07-00028-07	IN, 12/80	Slurry	Inactive, little water impounded	No	Permit approved to mine the area. Later inspection found the site is presently being remined and the embankment removed. Mined through.
BDCC Holding Co., Inc (Guthrie No. 4 Dam)	897-5048	KY07-00028-04	A	Fresh Water	Active, impounding water.	No	Used for silt control instead of a slurry impoundment.
Blue Diamond Coal Co./Leeco, Inc (Beech Fork Imp)	897-8039 897-8034	KY07-07103-02 IN, 2004	Slurry	Inactive, not impounding water.	No	Pool area filled with coarse refuse, cannot impound water.	

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Leeco, Inc. (Right Fork Impoundment)	897-9004	KY07-07103-05	NS	Slurry	Active, impounding water.	No	
Whittaker Coal Corporation (Four Seam Shury Imp)	897-9005	KY07-07044-09	A	Slurry	Impoundment dewatered and No slurry being mined.	No	Revision submitted to include MSHA approval of modification.
Sunny Ridge Mining Co., Inc (Bear Hollow Impoundment)	898-0505	KY06-00071-02	RM	Slurry	Impoundment dewatered and No slurry being pumped into.	No	Lower Elkhorn pillared. Slurry being hauled away.
Johns Creek Coal Co. (Big Ground Hog Impoundment)	898-0628	KY06-00231-02	A	Slurry	Active, impounding water. Coarse refuse blanket required on right side.	No	Drilling required by MSHA. Right abutment undermined with minimum cover of 120'. Elk #3 pillared.
Sidney Coal Co. Inc. (Sidney Impoundment)	898-5168	KY06-00197-02	A	Slurry	Active, impounding water.	No	Buttress being constructed, slurry injection into the Pond Creek seam. Pond Creek pillared in rear of impoundment.
Chisholm Coal (Dotson Fork Impoundment)	898-5908	KY06-00059-01	A	Slurry	Impoundment reclaimed.	No	
Long Fork Coal Co (Long Fork Slurry Impoundment)	898-8068	KY06-00017-01	A	Slurry	Active, impounding water. MSHA may require grouting of Williamson seam.	Yes, Pre-law	Williamson seam not pillared but flooded. Slurry injection in 1970's.
Premier Elkhorn Coal Co (Enterprise Impoundment)	898-8098	KY06-00266-02	A	Slurry	Impoundment being reclaimed.	Yes - 06/99, Discharge through underdrain	AMD site. Old mine adits in the Elk #2.
Premier Elkhorn Coal Co/AEP Ky Coal, LLC/Millard Processing (Hopkins Fork Imp.)	898-8145	KY06-00066-05	A	Slurry	Active, impounding water.	No	Upstream & down stream seeps shown on the weekly's. No flow. Previous permit #898-8105.
McCoy Elkhorn Coal Corp (Cow Branch Impoundment)	898-9012	KY06-00196-05	A	Slurry	Active, impounding water.	No	Alpha portals under embankment.
New Ridge Mining Co (New Ridge Impoundment)	898-9065	KY06-00327-01	IN, 01/04	Slurry	Inactive, impounding water. Extensive UG works around both sides of impoundment.	No	Portals buried under embankment, seal with coarse gravel w/ bleeder pipe.

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Premier Elkhorn Coal Co. (Burke Branch Impoundment)	898-9072	KY06-00373-01	A	Slurry	Active, impounding water.	No	Hollowfill toes into impoundment.
Stone Mining Co (Grant's Branch Impoundment)	898-9074	KY06-00010-03	Released	Slurry	Reclaimed, impounding water.	No	Experimental Practice approved as recreational site.
Sidney Coal Co. Inc. (Sukey Impoundment)	898-9091	KY06-18380-01	NS	Slurry	New Permit.		
M.C. Mining Inc (Scott's Branch Impoundment)	898-9110	KY06-00142-01	A	Slurry	Active, impounding water.	No	NC design revision required. Pond Creek pillared.
AEP Ky Coal, LLC/ Brantham & Baker Coal Co. (Three Mile Impoundment)	898-9126	KY06-00004-01	IN, 1/93	Slurry	Reclaimed. Part of Surface Mining operation.	Yes, early 1970s, per MSHA.	Site reclaimed. Previous permit #898-9080.
Sidney Coal Co./Holston Mining, Inc. (Millstone Branch Impoundment)	898-9127	KY06-00246-01	IN, 2003	Slurry	Inactive, impounding water. Two seeps. Seepage barrier on the Winfield seam.	No	MSHA verbally prohibits raising pool above the Winfield seam. Previous permit #898-9055.
Sidney Coal Co./Holston Mining, Inc. (Millstone Branch II Imp)	898-9127	KY06-00246-02	IN, 2003	Slurry	Inactive, not impounding water.	No	MSHA verbally prohibits raising pool above the Winfield seam. Previous permit #898-9055.
Central Appalachian Mining, LLC/Lodestar Energy, Inc (Chapperal Impoundment)	898-9130 898-8012	KY06-00226-02	A	Slurry	Active, also used by Pikeville to dispose Water Plant waste.	No	Three seeps shown on the weekly's.
CAM-Kentucky/AEP Ky Coal, LLC/Branham & Baker Coal Co. (Rob Fork Impoundment)	898-9132	KY06-00111-02	A	Slurry	Active, impounding water. Seep located off right abutment.	No	MSHA reviewing Elk #2 sealing plans. Drilling required by MSHA to determine barrier thickness. Previous permit #898-9007.
Lodestar Energy, Inc (Prep Plant 2 Caudill 2 Slurry)	913-5003	KY10-08038-02	IN, 03/01	Slurry	Inactive, remined slurry in 2000.	No	Slurry injection job #9 seam, #10 not minded.
Peabody Coal Company (Camp #11 Slurry IV)	913-5011	KY10-08017-01	IN, 1998	Slurry	Inactive.	No	
Peabody Coal Company (Camp #11 Slurry I)	913-5011	KY10-08017-02	IN, 1995	Slurry	Inactive, due for abandonment in 2002.	No	MSHA includes Slurry #II with this structure.

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Peabody Coal Company (Camp # 11 Slurry II)	913-5011	KY10-08017-03	IN, 1995	Slurry	Inactive, due for abandonment in 2002.	No	
Peabody Coal Company (Camp # 11 Freshwater)	913-5011	KY10-08017-05	A	Fresh Water	Active, impounding water.	No	
Peabody Coal Company (Camp 9 Prep Freshwater)	913-5011	KY10-08035-01	A	Fresh Water	Active, impounding water.	No	
Peabody Coal Company (Camp 9 Prep Slurry III)	913-5011	KY10-08035-02	A	Slurry	Active, impounding water.	No	
Peabody Coal Company (Camp 9 Prep Slurry II)	913-5011	KY10-08035-03	A	Slurry	Active, impounding water.	No	
Peabody Coal Company (Camp 9 Prep Slurry I)	913-5011	KY10-08035-06	A	Slurry	Active, impounding water.	No	5,700 acre/feet of slurry injection.
Blue Gem Mining/Galiff Coal Company (Bennetts Branch Slurry Imp)	918-5179 918-5001	KY07-07042-01	A	Slurry	Active, impounding water.	No	Originally a non-impounding structure.