

0020

### Document Information Form

Mine Number: C/007/004

File Name: Incoming

To: DOGM

From:

Person N/A

Company OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT.

Date Sent: N/A

Explanation:

MINE-SITE EVALUATION INSPECTION REPORT.

cc:

File in: C/007/004, Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date \_\_\_\_\_ For additional information



Original 007004 #5



# U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT Mine-Site Evaluation Inspection Report

cc: PFO

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| 1. Permittee/Person<br>AMAX COAL CO       |  | 9. Permit Number<br>ACT/007/004              |  | 10. Type <sup>Lowell</sup><br>a. Permit <input checked="" type="checkbox"/> b. RA <input type="checkbox"/> |  |
| 2. Address<br>20 NW 1ST ST ONE RIVERFRONT |  | 11. Inspection Date<br>09-16-92              |  | 12. Inspection Type<br>C   |  |
| 3. City<br>EVANSVILLE                     |  | 4. State<br>IN                               |  | 13. Joint Inspection<br><input checked="" type="checkbox"/> YIN  |  |
| 5. Zip Code<br>47708                      |  | 6. Phone Number<br>812-421-3900              |  | 14. Permit Status<br>A   |  |
| 7. Operator if Different than Permittee   |  | 15. Site Status<br>TC                        |  | 16. Facility Type<br>B   |  |
| 8. Mine Name<br>CASTLE GATE MINE          |  | 17. OSM Office #<br>020                      |  | 18. RSI #  |  |
|   |  | 19. Land Code<br>A                           |  | 20. M.S.H.A. ID #<br>42-00165  |  |
|   |  | 21. State Code<br>UT                         |  | 22. County Code<br>007   |  |
|   |  | 23. AVS Permittee Entity ID Number<br>060125 |  |  |  |

## 24. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere

|  |  |  |
|--|--|--|
| <b>A. Administrative</b><br>1. <input checked="" type="checkbox"/> Mining within Valid Permit<br>2. <input checked="" type="checkbox"/> Mining within Bonded Area<br>3. <input checked="" type="checkbox"/> Terms & Conditions of Permit<br>4. <input checked="" type="checkbox"/> Liability Insurance<br>5. <input checked="" type="checkbox"/> Ownership and Control<br>6. <input checked="" type="checkbox"/> Temporary Cessation<br><br><b>B. Hydrologic Balance</b><br>1. <input checked="" type="checkbox"/> Drainage Control<br>2. <input checked="" type="checkbox"/> Inspections & Certifications<br>3. <input checked="" type="checkbox"/> Siltation Structures<br>4. <input checked="" type="checkbox"/> Discharge Structures<br>5. <input checked="" type="checkbox"/> Diversions<br>6. <input checked="" type="checkbox"/> Effluent Limits<br>7. <input checked="" type="checkbox"/> Ground Water Monitoring<br>8. <input checked="" type="checkbox"/> Surface Water Monitoring<br>9. <input checked="" type="checkbox"/> Drainage -- Acid-Toxic Materials<br>10. <input checked="" type="checkbox"/> Impoundments<br>11. <input checked="" type="checkbox"/> Stream Buffer Zones<br><br><b>C. Topsoil &amp; Subsoil</b><br>1. <input checked="" type="checkbox"/> Removal<br>2. <input checked="" type="checkbox"/> Substitute Materials<br>3. <input checked="" type="checkbox"/> Storage and Protection<br>4. <input checked="" type="checkbox"/> Redistribution | <b>D. Backfilling &amp; Grading</b><br>1. <input checked="" type="checkbox"/> Exposed Openings<br>2. <input checked="" type="checkbox"/> Contemporaneous Reclamation<br>3. <input checked="" type="checkbox"/> Approximate Original Contour<br>4. <input checked="" type="checkbox"/> Highwall Elimination<br>5. <input checked="" type="checkbox"/> Steep Slopes (includes downslope)<br>6. <input checked="" type="checkbox"/> Handling of Acid & Toxic Materials<br>7. <input checked="" type="checkbox"/> Stabilization (rills and gullies)<br><br><b>E. Excess Spoil Disposal</b><br>1. <input checked="" type="checkbox"/> Placement<br>2. <input checked="" type="checkbox"/> Drainage Control<br>3. <input checked="" type="checkbox"/> Surface Stabilization<br>4. <input checked="" type="checkbox"/> Inspections & Certifications<br><br><b>F. Coal Mine Waste (Refuse Piles/Impoundments)</b><br>1. <input checked="" type="checkbox"/> Drainage Control<br>2. <input checked="" type="checkbox"/> Surface Stabilization<br>3. <input checked="" type="checkbox"/> Placement<br>4. <input checked="" type="checkbox"/> Inspections and Certifications<br>5. <input checked="" type="checkbox"/> Impounding Structures<br><br><b>G. Use Of Explosives</b><br>1. <input checked="" type="checkbox"/> Blaster Certification<br>2. <input checked="" type="checkbox"/> Distance Prohibitions<br>3. <input checked="" type="checkbox"/> Blast Survey/Schedule<br>4. <input checked="" type="checkbox"/> Warnings & Records<br>5. <input checked="" type="checkbox"/> Control of Adverse Effects | <b>H. <u>1</u> Subsidence Control Plan</b><br><br><b>I. Roads</b><br>1. <input checked="" type="checkbox"/> Road Construction<br>2. <input checked="" type="checkbox"/> Certification<br>3. <input checked="" type="checkbox"/> Drainage<br>4. <input checked="" type="checkbox"/> Surfacing and Maintenance<br>5. <input checked="" type="checkbox"/> Reclamation<br><br><b>J. Signs &amp; Markers</b><br>1. <input checked="" type="checkbox"/> Signs<br>2. <input checked="" type="checkbox"/> Markers<br><br><b>K. <u>1</u> Distance Prohibitions</b><br><br><b>L. Revegetation</b><br>1. <input checked="" type="checkbox"/> Vegetative Cover<br>2. <input checked="" type="checkbox"/> Timing<br><br><b>M. <u>1</u> Postmining Land Use</b><br><br><b>N. Other</b><br>1) _____<br>2) _____<br>3) _____ |
|--|--|--|

|   |  |                            |  |  |  |
|---|--|----------------------------|--|--|--|
| 25. Inspection Frequency                              |  | 26. Inspection Hours       |  | 27. Box  |  |
| a. Date of Last State Complete Inspection<br>05-15-92 |  | a. Permit Review<br>18.0   |  | <input type="checkbox"/>   |  |
| Frequency for previous 4 Calendar Qtrs.               |  | b. Inspection Time<br>12.0 |  | <input type="checkbox"/>   |  |
| b. Number of required complete inspections<br>01      | Number of complete inspections conducted<br>01 | c. Travel Time<br>8.0      |  | <input type="checkbox"/>   |  |
| c. Number of required partial inspections<br>02       | Number of partial inspections conducted<br>00  | d. Report Writing<br>16.0  |  | <input type="checkbox"/>   |  |
|   |  |                            |  | File in:<br><input type="checkbox"/> Confidential<br><input type="checkbox"/> Shelf<br><input type="checkbox"/> Expandable |  |
|   |  |                            |  | Refer to Record No. 0020 Date _____<br>In C/ 007, 004, Incoming _____<br>For additional information _____                  |  |
|   |  |                            |  | released   |  |
|   |  |                            |  | Page 1 of _____  |  |



Original 007004 #5

# U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT Mine-Site Evaluation Inspection Report



cc: PFS

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| 1. Permittee/Person<br>AMAX COAL CO        |  | 9. Permit Number<br>ACT/007/004              |  | 10. Type <sup>Lowell</sup><br>a. Permit Joe b. RA Joe           |  |
| 2. Address<br>20 NW 1ST ST, ONE RIVERFRONT |  | 11. Inspection Date<br>09-16-92              |  | 12. Inspection Type<br>C  |  |
| 3. City<br>EVANSVILLE                      |  | 4. State<br>IN                               |  | 13. Joint Inspection<br><input checked="" type="checkbox"/> YIN |  |
| 5. Zip Code<br>47708                       |  | 6. Phone Number<br>812-421-3900              |  | 14. Permit Status<br>A  |  |
| 7. Operator if Different than Permittee    |  | 15. Site Status<br>TC                        |  | 16. Facility Type<br>B  |  |
| 8. Mine Name<br>CASTLE GATE MINE           |  | 17. OSM Office #<br>020                      |  | 18. RSI #   |  |
|  |  | 19. Land Code<br>A                           |  | 20. M.S.H.A. ID #<br>42-00165                                   |  |
|  |  | 21. State Code<br>UT                         |  | 22. County Code<br>007  |  |
|  |  | 23. AVS Permittee Entity ID Number<br>060125 |  |   |  |

## 24. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere

|   |   |  |
|---|---|--|
| <b>A. Administrative</b><br>1. <input checked="" type="checkbox"/> Mining within Valid Permit<br>2. <input checked="" type="checkbox"/> Mining within Bonded Area<br>3. <input checked="" type="checkbox"/> Terms & Conditions of Permit<br>4. <input checked="" type="checkbox"/> Liability Insurance<br>5. <input checked="" type="checkbox"/> Ownership and Control<br>6. <input checked="" type="checkbox"/> Temporary Cessation  | <b>D. Backfilling &amp; Grading</b><br>1. <input checked="" type="checkbox"/> Exposed Openings<br>2. <input checked="" type="checkbox"/> Contemporaneous Reclamation<br>3. <input checked="" type="checkbox"/> Approximate Original Contour<br>4. <input checked="" type="checkbox"/> Highwall Elimination<br>5. <input checked="" type="checkbox"/> Steep Slopes (includes downslope)<br>6. <input checked="" type="checkbox"/> Handling of Acid & Toxic Materials<br>7. <input checked="" type="checkbox"/> Stabilization (rills and gullies) | <b>H. <u>1</u> Subsidence Control Plan</b><br><b>I. Roads</b><br>1. <input checked="" type="checkbox"/> Road Construction<br>2. <input checked="" type="checkbox"/> Certification<br>3. <input checked="" type="checkbox"/> Drainage<br>4. <input checked="" type="checkbox"/> Surfacing and Maintenance<br>5. <input checked="" type="checkbox"/> Reclamation |
| <b>B. Hydrologic Balance</b><br>1. <input checked="" type="checkbox"/> Drainage Control<br>2. <input checked="" type="checkbox"/> Inspections & Certifications<br>3. <input checked="" type="checkbox"/> Siltation Structures<br>4. <input checked="" type="checkbox"/> Discharge Structures<br>5. <input checked="" type="checkbox"/> Diversions<br>6. <input checked="" type="checkbox"/> Effluent Limits<br>7. <input checked="" type="checkbox"/> Ground Water Monitoring<br>8. <input checked="" type="checkbox"/> Surface Water Monitoring<br>9. <input checked="" type="checkbox"/> Drainage - Acid-Toxic Materials<br>10. <input checked="" type="checkbox"/> Impoundments<br>11. <input checked="" type="checkbox"/> Stream Buffer Zones | <b>E. Excess Spoil Disposal</b><br>1. <u>3</u> Placement<br>2. <u>3</u> Drainage Control<br>3. <u>3</u> Surface Stabilization<br>4. <u>3</u> Inspections & Certifications   | <b>J. Signs &amp; Markers</b><br>1. <input checked="" type="checkbox"/> Signs<br>2. <input checked="" type="checkbox"/> Markers  |
| <b>C. Topsoil &amp; Subsoil</b><br>1. <input checked="" type="checkbox"/> Removal<br>2. <input checked="" type="checkbox"/> Substitute Materials<br>3. <input checked="" type="checkbox"/> Storage and Protection<br>4. <input checked="" type="checkbox"/> Redistribution  | <b>F. Coal Mine Waste (Refuse Piles/Impoundments)</b><br>1. <u>2</u> Drainage Control<br>2. <input checked="" type="checkbox"/> Surface Stabilization<br>3. <input checked="" type="checkbox"/> Placement<br>4. <input checked="" type="checkbox"/> Inspections and Certifications<br>5. <u>3</u> Impounding Structures   | <b>K. <u>1</u> Distance Prohibitions</b><br><b>L. Revegetation</b><br>1. <input checked="" type="checkbox"/> Vegetative Cover<br>2. <input checked="" type="checkbox"/> Timing   |
|   | <b>G. Use Of Explosives</b><br>1. <u>3</u> Blaster Certification<br>2. <u>3</u> Distance Prohibitions<br>3. <u>3</u> Blast Survey/Schedule<br>4. <u>3</u> Warnings & Records<br>5. <u>3</u> Control of Adverse Effects  | <b>M. <u>1</u> Postmining Land Use</b><br><b>N. Other</b><br>1) _____<br>2) _____<br>3) _____  |

|   |   |  |   |
|---|---|--|---|
| <b>25. Inspection Frequency</b><br>a. Date of Last State Complete Inspection<br>05-15-92<br>Frequency for previous 4 Calendar Qtrs.<br>b. Number of required complete inspections: 01<br>Number of complete inspections conducted: 01<br>c. Number of required partial inspections: 02<br>Number of partial inspections conducted: 01 | <b>26. Inspection Hours</b><br>a. Permit Review: 18.0<br>b. Inspection Time: 12.0<br>c. Travel Time: 8.0<br>d. Report Writing: 16.0 | <b>27. Bonded Acres</b><br>a. Total bonded: 134.5<br>b. Phase I released: 0<br>c. Phase II released: 0<br>d. Phase III released: 0 | <b>28. Acres</b><br>a. Permitted: 8510.0<br>b. Disturbed (Estimated): 134.5 |
|---|---|--|---|

# U. S. DEPT. OF THE INTERIOR

## OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

### Mine-Site Evaluation Inspection Report

Permit Number ACT/007/004

Inspection Date 09-16-92

**9. Identified Violation Data.**

List (only once) all violations;

- where State enforcement was required and taken during the LSCI, even if violation was terminated during or before this inspection (does not include violations that have been vacated);
- recorded in the LSCI report but the State failed to take enforcement;
- observed during this inspection which clearly existed during the LSCI but the State failed to take enforcement; or;
- existing during this inspection which are not already listed under one of the categories above.

AND / OR

- List all Federal actions issued this inspection;
- List all Federal actions reviewed on this follow-up inspection.

| B<br>Per. Std.<br>Category   | C<br>Abated<br>(Y/N) | D<br>State<br>Action | E<br>Reason if<br>Uncited | F<br>Cause | G<br>Seriousness |          | H<br>Impact | I<br>OSM<br>Action | J<br>OSM<br>Action Number |  |  |  | K<br>Optional |
|--|----------------------|----------------------|---------------------------|------------|------------------|----------|-------------|--------------------|---------------------------|--|--|--|---------------|
|  |                      |                      |                           |            | PEO              | Impact   |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: <u>R645-301-742.300</u> Description: <u>Fail to maintain diversion ditch</u> |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 1. <u>FI</u>   | <u>N</u>             | <u>4</u>             |                           | <u>4</u>   | <u>3</u>         | <u>1</u> | <u>1</u>    |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 2.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 3.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 4.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 5.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 6.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| A. Specific State Law/Regulations Violated: _____ Description: _____   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |
| 7.   |                      |                      |                           |            |                  |          |             |                    |                           |  |  |  |               |

- |   |   |  |  |
|---|---|--|--|
| <p><b>D. State Action</b></p> <ol style="list-style-type: none"> <li>1) Existed on LSCI, Cited</li> <li>2) Existed on LSCI, Not Cited</li> <li>3) Cited Prior to LSCI, Abatement Pending</li> <li>4) Occurred Since LSCI</li> <li>5) N/A Federal Program</li> </ol> | <p><b>E. State's Reason for not Citing Violation</b></p> <ol style="list-style-type: none"> <li>1) Not a Violation</li> <li>2) Precluded by State Policy</li> <li>3) Not Included under State Program</li> <li>4) Warning Given in Lieu of a Citation</li> <li>5) Violation Not Recognized</li> <li>6) Practice Allowed under Approved Permit</li> <li>7) Too Minor to Cite</li> <li>8) Working with Operator to Correct</li> <li>9) Other _____</li> </ol> | <p><b>F. Cause</b></p> <ol style="list-style-type: none"> <li>1) Permit Defect</li> <li>2) Unusual Weather Conditions</li> <li>3) Unofficial Waiver</li> <li>4) Operator Negligence</li> <li>5) Other _____</li> </ol> | <p><b>G. Probability of Event Occurrence</b></p> <ol style="list-style-type: none"> <li>1) None or Unlikely</li> <li>2) Likely</li> <li>3) Occurred</li> </ol> |
|---|---|--|--|
- 
- |   |  |
|---|--|
| <p><b>H. Impact</b></p> <p><u>Damage Remains Within the Permit Area</u></p> <ol style="list-style-type: none"> <li>1) None or Minor</li> <li>2) Moderate</li> <li>3) Considerable</li> </ol> <p><u>Damage Extends Beyond the Permit Area</u></p> <ol style="list-style-type: none"> <li>4) None or Minor</li> <li>5) Moderate</li> <li>6) Considerable</li> </ol> <p><u>Obstruction to Enforcement</u></p> <ol style="list-style-type: none"> <li>7) None or Minor</li> <li>8) Moderate</li> <li>9) Considerable</li> </ol> | <p><b>I. OSM Action This Inspection</b></p> <ol style="list-style-type: none"> <li>1) Deferred to State Action</li> <li>2) TDN Issued</li> <li>3) NOV Issued</li> <li>4) FTA-CO Issued</li> <li>5) IH-CO Issued (Imminent Environmental Harm)</li> <li>6) ID-CO Issued (Imminent Danger to Public)</li> <li>7) Previously Cited by RA, Abatement Pending</li> <li>8) Abated during or before OSM Inspection</li> <li>9) Follow-up of Federal Action</li> </ol> |
|---|--|

30. Signature \_\_\_\_\_

Inspector's Signature

MICHELL S. ROLLINGS

Inspector's Printed Name      31. OSM Inspector ID #

Dated: 10-07-92 370

Reviewing Official: \_\_\_\_\_

Review Date: 10-07-92

Page \_\_\_ of \_\_\_

# CODE SHEET for the Mine-Site Evaluation Inspection Report

Permit Type and RA — Item 10 a. Permit Type ..... IP = Interim Program, PP = Permanent Program, NP = No Permit  
 b. Regulatory Authority ... S = State Program, F = Federal Program

## Inspection Type Codes— Item 12

|                                      |  |                                     |
|--------------------------------------|--|-------------------------------------|
| C ..... Complete Random Sample       | FF ..... Federal NOV and/or CO Follow-up | SOx ..... Other                     |
| COI ..... Complete Other Inspection  | CC ..... Citizen Complaint               | 1 ..... Bond Release Review         |
| FC ..... Federal Complete Inspection | CCF ..... Citizen Complaint Follow-up    | 2 ..... Bond Forfeiture Review      |
| FP ..... Federal Partial Inspection  | DR ..... Document Review                 | OFx ..... Other Follow-up           |
|                                      | RF ..... Reclamation Fees                | 1 ..... State Enforcement Follow-up |
|                                      |  | 2 ..... Ten-Day Notice Follow-up    |

Joint Inspection — Item 13 A joint inspection is when a state inspector accompanies an OSM inspector any time during the review of the mine site.

## Permit Status — Item 14

|  |  |
|--|--|
| A <b>Active:</b> Coal mining and reclamation activities occurring or permitted but not disturbed.  | NA <b>Not Applicable:</b> When site is unpermitted.  |
| IN <b>Inactive (Permanent Program Permit):</b> Phase II completed or state counterpart to 30 CFR 840.11(f).<br>(Interim Program Permit): Coal mining completed and reclamation activities initiated. | BR <b>Bond Release:</b> Reclamation completed and State Regulatory Authority (RA) has released all of the bond (Phase III Release.)  |
|  | AB <b>Abandoned:</b> All surface and underground coal mining activities have ceased and operator has left the site without completing reclamation as stated in 30 CFR 840.11(f). |
|  | BF <b>Bond Forfeiture:</b> Permittee rights terminated, permit revoked, and/or bond funds collected.   |

## Site Status Codes — Item 15

|   |  |  |
|---|--|--|
| ND <b>No Disturbance:</b> No coal mining and reclamation operations have been started.  | MC <b>Mining Complete:</b> No mining activity on site, site regraded and awaiting phase bond release.                                  | FP <b>Forfeiture Pending:</b> The RA is pursuing actions to revoke the permit, collect the performance bond(s), and/or reclamation of forfeited site is in progress. |
| EX <b>Coal Exploration:</b> Coal exploration operations have started and where coal mining operations have not begun.                         | TC <b>Temporary Cessation:</b> The RA has granted cessation of mining pursuant to 30 CFR 816/817.131(b).                               | FR <b>Forfeited and Reclaimed:</b> Forfeiture reclamation completed.   |
| AP <b>Active Coal Producing:</b> Coal surface mining activities are occurring.  | P1 <b>Phase I Release:</b> At least Phase I bond release granted for entire permitted area. For interim permits, partial bond release. | WC <b>Wildcat:</b> Coal mining and reclamation operations have or are taking place and the activity is not covered by the required permits from the RA.              |
| AN <b>Active Non-Producing:</b> Active non-producing facility such as tipple or preparation plant.  | P2 <b>Phase II Release:</b> At least Phase II bond release for the entire permitted area.  |  |
| NM <b>No Mining:</b> The Permit Status is active, site is not in Temporary Cessation, no surface coal mining activity, and site not regraded. | P3 <b>Phase III Release:</b> Reclamation completed and the RA has released all bond.   |  |

## Facility Type Codes — Item 16

|                           |  |  |
|---------------------------|--|--|
| A ..... Surface           | D ..... Ancillary (Haulroad, Conveyor, and/or Rails) | H ..... Exploration Permits                        |
| B ..... Underground       | E ..... Refuse and/or Impoundment                    | I ..... Notice of Intent to Explore                |
| C ..... Preparation Plant | F ..... Loading Facility and/or Tipple               | J ..... Exempt 16 and 2/3                          |
|                           | G ..... Stockpiles                                   | K ..... Government Financed Construction Exemption |

## Land Code -- Item 19

S ..... State/Private Lands      F ..... Federal Lands      I ..... Indian Lands

### Performance Standard Categories --Item 24 30 CFR Counterpart

|   |  |
|---|--|
| <b>A. Administrative</b> .....                              | <b>E. Excess Spoil Disposal</b> .....                                    |
| 1. Valid Permit ..... 773.11                                | 1. Placement ..... 71(c)   |
| 2. Mining within Bonded Area ..... 773.11                   | 2. Drainage Control ..... 71(f)  |
| 3. Terms & Conditions of Permit ..... 773.17                | 3. Surface Stabilization ..... 71(g)                                     |
| 4. Liability Insurance ..... 800.60                         | 4. Inspections & Certifications ..... 71(h)                              |
| 5. Ownership and Control ..... 778.13                       | <b>F. Coal Mine Waste (Refuse Piles/Impoundments) ..</b> (816/817.81-84) |
| 6. Temporary Cessation ..... 842.11(e) & 816/817.131        | 1. Drainage Control ..... 83(a)  |
| <b>B. Hydrologic Balance</b> ..... (816/817.41-57)          | 2. Surface Stabilization ..... 83(b)                                     |
| 1. Drainage Control ..... 45                                | 3. Placement ..... 83(c)   |
| 2. Inspections & Certifications ..... 49(a)(10)             | 4. Inspections and Certifications ..... 83(d)                            |
| 3. Siltation Structures ..... 46                            | 5. Impounding Structures ..... 84  |
| 4. Discharge Structures ..... 47                            | <b>G. Use Of Explosives</b> ..... (816/817.61-68)                        |
| 5. Diversions ..... 43                                      | 1. Blaster Certification ..... 61(c)                                     |
| 6. Effluent Limits ..... 42                                 | 2. Distance Prohibitions ..... 61(d)                                     |
| 7. Ground Water Monitoring ..... 41(c)                      | 3. Blast Survey/Schedule ..... 62-64                                     |
| 8. Surface Water Monitoring ..... 41(e)                     | 4. Warnings & Records ..... 66 & 68                                      |
| 9. Drainage-Acid - Toxic Materials ..... 41(f)              | 5. Control of Adverse Effects ..... 67                                   |
| 10. Impoundments ..... 49                                   | <b>H. Subsidence Control Plan</b> ..... (817.121-122)                    |
| 11. Stream Buffer Zones ..... 57                            | <b>I. Roads</b> ..... (816/817.150-151)                                  |
| <b>C. Topsoil &amp; Subsoil</b> ..... (816/817.22)          | 1. Road Construction ..... 150(c)  |
| 1. Removal ..... 22(a)                                      | 2. Certification ..... 151(a)  |
| 2. Substitute Materials ..... 22(c)                         | 3. Drainage ..... 150(b)-151(d)  |
| 3. Storage and Protection ..... 22(c)                       | 4. Surfacing and Maintenance ..... 150(c)-151(d)                         |
| 4. Redistribution ..... 22(d)                               | 5. Reclamation ..... 150(f)  |
| <b>D. Backfilling &amp; Grading</b> ..... (816/817.95-107)  | <b>J. Signs &amp; Markers</b> ..... (816/817.11)                         |
| 1. Exposed Openings ..... 816/817.13, 14, 15, & 823.11 & 21 | 1. Signs ..... 11(a),(b),&(c)  |
| 2. Contemporaneous Reclamation ..... 100                    | 2. Markers ..... 11(a),(b),(d),(e),&(f)                                  |
| 3. Approximate Original Contour ..... 102(a)(1)             | <b>K. Distance Prohibitions</b> ..... (76L.11)                           |
| 4. Highwall Elimination ..... 102(a)(2)                     | <b>L. Revegetation</b> ..... (816/817.111-116)                           |
| 5. Steep Slopes(includes downslope) ..... 107               | 1. Vegetative Cover ..... 111 & 116                                      |
| 6. Handling of Acid & Toxic Materials ..... 102(c)          | 2. Timing ..... 113  |
| 7. Stabilization (rills and gullies) ..... 95(b)            | <b>M. Postmining Land Use</b> ..... (816/817.133)                        |

Amax Coal Co. (Amax)  
20 Northwest First St.  
One Riverfront Place  
Evansville, IN. 47708  
812-421-3900

Mine Address:  
Amax Coal Co.  
P.O. Box 449  
Helper, UT 84526  
801-472-8661

ACT/007/004  
Castle Gate Mine

9/16/92  
Complete inspection

Mitchell S. Rollings, 370, OSM  
Steve Demczak, DOGM  
Richard Allison, Amax

This was a complete, random sample, oversight inspection.

This permit was previously issued to Castle Gate Coal Co., and was transferred to Amax on 6/12/91. The expiration date of the permit is 12/24/94. This site is currently in temporary cessation.

DOGM has outstanding Division Orders issued to Amax for a vast number of required changes to the permit. The requirements of these Division Orders have not yet been met; Amax and DOGM are still working on the changes. The last OSM oversight inspection was conducted by Russ Porter on 4/23/92. This April report covers the Division Orders and the subjects they address. Since all of the Division Order subjects are still not completed, I did not spend time inspecting features related to the Orders.

#### **ENFORCEMENT ACTIONS**

DOGM issued Notice of Violation 92-39-7-1 for failure to maintain a diversion ditch; R645-301-742.300. The ditch, CGD-7B, is a side ditch on the eastern edge of the face of the refuse pile. The ditch had recently been grouted from the top of the pile to the first terrace down. Amax believed that the increased velocity of runoff from the grouted section caused the erosion in the lower part of the ditch. The eroded section was vertical in places, lacked channel lining (washed out) in some places, and had multiple channels. Amax was instructed to repair to the approved plans with the caveat that the operator has the option to revise the permitted designs to accommodate the increased velocities.

Amax has a \$2,683,603 bond through National Fire Insurance Company of Hartford; #929 80 55. This bond is calculated for the 134.5 acres of disturbance. The liability insurance is with National Union Insurance Company of Pittsburgh PA; #GL 325 9029. The policy expires 4/1/93.

All certifications were up to date. All primary roads were certified 3/27/92. These certifications consisted of a map and accompanying narrative. The following ponds had construction certifications dated 11/6/91: 7,8,9,10,11,12A,12B,and 15. Amax stated that these ponds were actually reconstructed at that time. Ponds #3,4, and 5 have annual certifications dated 11/2/91.

There are a number of assigned MSHA numbers for this mine. The general mine ID # is 42-00165, the prep plant is #42-01517, the refuse pile is #42-1211-UT-9-0027, and the impoundment is #1211-UT-09-00-165-02.

The operation is covered by UPDES #UTG040000. The permit has an effective date of 7/1/91 and expires 4/30/93. Air quality permit #BAQE-011-87 was issued on 11/9/87 and does not have an expiration date.

The last quarterly ground water and surface water monitoring information was submitted to DOGM 8/7/92. Previous reports have been submitted as required.

The following items were violations that were corrected before the end of the inspection or are areas that show potential for a violation to occur:

There is some erosion over the back slope of the loadout in #4 Mine Canyon. This will need to be maintained before winter weather hits the area. Amax stated that they are about to mobilize equipment to reclaim this whole area this fall.

A CMP had rolled into the clear water ditch just below the location noted. This CMP was removed prior to the end of the inspection.

The inlet to pond 9 was eroded as it dropped over the slope. This was regraded and riprap was placed prior to the end of the inspection.

The CMP to pond 8 was partially plugged with sediment at the inlet end. The operator will flush this out.

The CMP across the reclaimed flat in Crandall Canyon was partially plugged with sediment at the outlet end. This empties into the clean water ditch. A sediment delta has built up at the outlet and is restricting discharge. The operator should remove the sediment at the discharge point of the CMP to allow unimpeded flow.

The inlet to pond 14 in Crandall Canyon is just starting to abrade. Erosion of the inlet and fill slope will occur if this is not stopped soon.

The berm at Adit #1 needs to be enlarged to ensure that all runoff from the portal area is directed to the pond. The road to this area was recently regraded and the grading appears to have eliminated a previously existing failure to pass situation. The berm is not very high though and should be built up.

The prep plant and refuse pile sites had recently had some regrading done on roads and ditches. The refuse pile face has been reclaimed up to the active lift. There was not any standing water on the pile.

Most of the facilities at Hardscrabble Canyon have been removed. There is a substation left and the portals have not been eliminated. The portals are sealed though.

All facilities remain in Crandall Canyon. This is a shaft mine so there are not any drift or slope portals to seal.

The Adit #1 mine has all facilities remaining. The portals have been sealed.

The #3 and #4 mines remain with sealed portals. Amax plans on removing the loadout and substation in the #4 mine canyon and reclaiming the area this fall.