



**OFFICE OF SURFACE MINING
RECLAMATION AND ENFORCEMENT**

**MARYLAND
PERFORMANCE MONITORING, OFF-SITE
IMPACTS, AND NPDES PERMIT STUDY**

Evaluation Year 2004

TABLE OF CONTENTS

OBJECTIVE	3
SUMMARY	3
BACKGROUND	3
METHODOLOGY	4
FINDINGS	4
PERMITTING STANDARDS.....	5
MINING STANDARDS.....	8
RECLAMATION STANDARDS.....	13
RECOMMENDATIONS	14
EXHIBITS	15
EXHIBIT 1 – EVALUATION STANDARDS	16
<i>PERMITTING STANDARDS</i>	16
<i>MINING STANDARDS</i>	16
<i>RECLAMATION STANDARDS</i>	17
EXHIBIT 2 – NPDES INDIVIDUAL PERMIT FLOW CHART	19
EXHIBIT 3 – NPDES GENERAL PERMIT FLOW CHART.....	20
EXHIBIT 4 – OFF-SITE IMPACT – OSM INSPECTIONS	21
EXHIBIT 5- OFF-SITE IMPACTS – ALL INSPECTIONS.....	22
EXHIBIT 5 – MINE SITE EVALUATION FORM.....	23
EXHIBIT 6 – GENERAL PERFORMANCE EVALUATION FORM	26
EXHIBIT 7 – SMCRA PERMITTING GOALS COMPLIANCE TABLE	38
EXHIBIT 8 – SMCRA MINING GOALS COMPLIANCE TABLE	39
EXHIBIT 9 – SMCRA RECLAMATION GOALS COMPLIANCE TABLE	40

OBJECTIVE

This study included three objectives:

1. To assess the general impact of planning, mining, and reclamation activities on the effectiveness of the Maryland Program in controlling adverse environmental impacts during and after mining.
2. To review policies, procedures, and regulatory requirements for the operation and maintenance of the National Pollution Discharge Elimination System (NPDES) monitoring program to assure all program requirements are being met for application and monitoring of discharges, and that proper coordination is occurring among responsible agencies.
3. To identify the frequency of occurrence and severity of offsite impacts and Maryland=s response in correcting and mitigating adverse effects.

SUMMARY

Based on the performance monitoring inspections performed by OSM during the evaluation period, Maryland=s approved program is successful in planning for and controlling adverse environmental impacts both during and after mining . Maryland has been especially effective in working with the mining industry to reclaim previous mining features such as highwalls, underground mines, and spoil piles, resulting in significant savings for reclamation of features which might otherwise require funding under the Abandoned Mine Lands program.

Maryland can further improve the program by implementing practices to increase coordination among operators, and the Maryland Department of the Environment Industrial Permits Section and Bureau of Mines in the NPDES program.

BACKGROUND

A major goal of SMCRA is to regulate the mining of coal to protect society and the environment from adverse effects of surface coal mining operations. In order to achieve this goal States and Tribes developed and implemented programs using a three-phased approach:

Permitting - Established permitting standards designed to minimize adverse environmental impacts and maximize coal recovery.

Mining - Established standards to assure that surface coal mining operations are conducted in an environmentally sound manner.

Reclamation - Established reclamation standards to assure that mined areas are reclaimed and that reclamation takes place as contemporaneously as possible.

Within each of these phases, States adopted standards to assure the programs met the SMCRA goals. These standards are the subject of this evaluation.

METHODOLOGY

Eighteen general oversight inspections were conducted jointly with Maryland Department of the Environment (MDE) Inspectors to evaluate general compliance with twenty-three standards under the three program phases. Sites were sampled from the population of inspectable units. The randomly generated sample included two unduplicated spares.¹ Four of the eighteen inspections were carried over from 2003 due to a shortened evaluation period last year. A file review of each permit operation was conducted prior to the on-site inspection. Three forms, the Off-Site Impact Worksheet, the Mine-Site Evaluation Report, and the General Performance Evaluation, were used to document and/or supplement the areas reviewed (Exhibit 4-6).

As part of a continuing effort to streamline topical study reports conducted in Maryland, this year the annual Maryland Offsite Impact Study was merged with this Performance Monitoring Study. An off-site impact standard was added and was evaluated not only for the eighteen joint general oversight inspections, but also for citizen complaint inspections², joint bond release inspections³, Acid Mine Drainage Inventory (AMD) inspections⁴, and State-Only Inspections.⁵

Also for this evaluation year special emphasis was placed on the standards for issuance and monitoring of NPDES discharge permits. This was brought about by concerns regarding coordination between the permitting and inspection functions over application and issuance of NPDES permits.

The standards, associated criteria, and State and Federal regulations that were evaluated under the three phases are shown in exhibit 1. Results were summarized and consolidated into tabular form (Exhibits 7-9).

FINDINGS

Data collected and observations made show that Maryland is generally achieving the program

¹ One site, SM-02-442, was replaced as mining and reclamation had not started. It was replaced with SC-87-118. The other, DM-84-101, was a carryover inspection from EY03. It was replaced with SM-01-438.

² There were no formal complaints resulting in inspections by OSM

³ Five sites reviewed for final reclamation prior to bond release

⁴ Three sites on the AMD Inventory due to unanticipated acid discharges which are reviewed semi-annually

⁵ 926 inspections were conducted by State Inspectors w/o accompaniment by an OSM inspector

standards in protecting the public and the environment. With exceptions addressed below, all criteria under the permitting, mining, and reclamation standards were met for the sites reviewed. The specific standards and criteria are addressed as follows:

PERMITTING STANDARDS

Valid Permit - All criteria were met for the permit sites evaluated.

Permit Terms and Conditions - All criteria were met for the eighteen permit sites evaluated. Approximately 61 percent of Maryland coal mine sites have been previously mined. A permit may include a special designation as a remining permit if certain criteria are met. These permits receive special consideration on bonding, reclamation liability period, and variance from approximate original contour. Fifteen of the eighteen permit sites reviewed this year appeared to be remining eligible.⁶ Only two of the eighteen took advantage of the special considerations by being designated remining permits.⁷ This was due in part to the fact that only five of the permits had been issued subsequent to enactment of the greatest incentives for conducting remining operations.⁸ Four of the eighteen also had adjacent AML features that appeared eligible for remining.⁹

Maryland coal operators, while not all participating in the remining incentive program, nevertheless are very active in reclaiming previously mined areas. The chart below shows AML features planned for reclamation, and an estimate of actual reclamation achieved for the eighteen sites inspected. For the fifteen sites inspected this year which have previous mining, over 1500 feet of highwall are estimated to have been eliminated, 104 acres of spoil reclaimed, and 475 acres of deep mines daylighted.

⁶ Ten of the fourteen permits reviewed in EY03 appeared eligible and ten of seventeen reviewed in EY02 appeared eligible

⁷ SM-01-438 and SM-96-427

⁸ Lowering of bond rates for remining sites occurred on 5/28/96, and reduction of the reclamation liability period occurred on 3/22/99.

⁹ SM-84-338 (adjacent spoil); SM-84-367 (adjacent spoil), SM-89-414 (adjacent spoil), and SM-01-439 (adjacent spoil)

REMINING UNITS RECLAIMED

PERMIT # (a)	REMINING ELIGIBLE? (b)	REMINING DESIGNATION? (c)	FEATURES PLANNED FOR RECLAMATION (e)	PLANNED UNITS (estimated)	RECLAIMED UNITS (estimated)	ADJACENT FEATURES PRESENT? (d)
DM-84-101	YES	NO	HIGHWALL	3000 FEET	0 FEET	NO
DM-89-108	NO	NO	NA	NA	NA	NO
SC-87-118	YES	NO	NONE	NA	NA	NO
SM-84-184	YES	NO	NONE	NA	NA	NO
SM-84-273	YES	NO	DEEP MINES	23 ACRES	0 ACRES	NO
SM-84-338	YES	NO	SPOIL	96 ACRES	96 ACRES	YES
SM-84-367	YES	NO	DEEP MINES	96 ACRES	96 ACRES	YES
SM-87-411	NO	NO	NA	NA	NA	NO
SM-89-414	YES	NO	DEEP MINES	40 ACRES	39 ACRES	YES
SM-92-422	YES	NO	DEEP MINES	175 ACRES	111 ACRES	NO
SM-92-423	YES	NO	SPOIL	3 ACRES	3 ACRES	NO
			DEEP MINES	18 ACRES	18 ACRES	
SM-96-427	YES	YES	HIGHWALL	6200 FEET	1500 FEET	NO
			SPOIL	140 ACRES	5 ACRES	
			DEEP MINES	126 ACRES	59 ACRES	
SM-97-428	YES	NO	HIGHWALL	9500 FEET	0 FEET	NO
			SPOIL	34 ACRES	0 ACRES	
			DEEP MINES	176 ACRES	0 ACRES	
SM-00-436	YES	NO	NONE	NA	NA	NO
SM-01-437	YES	NO	DEEP MINES	46 ACRES	26 ACRES	NO
SM-01-438	YES	YES	DEEP MINES	22 ACRES	22 ACRES	NO
SM-01-439	YES	NO	SPOIL	24 ACRES	0 ACRES	YES
SM-01-443	NO	NO	NA	NA	NA	NO
TOTALS			HIGHWALL	18,700 FEET	1500 FEET	
			SPOIL	297 ACRES	104 ACRES	
			DEEP MINES	722 ACRES	475 ACRES	

Maryland is encouraged to continue to explore such cost-saving options as contracting with the permittee for eligible AML projects on the permit sites with adjacent features, amending adjacent sites into an existing permit as a designated remining operation, if feasible, and encouraged to

explore additional incentives for future sites.

Hydrologic Planning - This element received a more in-depth review due to concerns over the coordination of the NPDES permit application and approval process. COMAR 26.20.04.01B. requires that a copy of the application for an NPDES permit be submitted to the Bureau at the same time as the application for a coal mining permit (See exhibit 3 flow chart). In practice, this requirement applies only to “individual” permits. Individual permits are required for deep mine and remining operations and are more stringent in the application and monitoring standards. “General” permits apply to all other coal mining permits in Maryland. The general permit is a non-site-specific permit which is issued every five years by the Industrial Permits Section of the Maryland Department of the Environment. At the time of application for a coal mining permit, a “Notice of Intent” (NOI) form is completed by the operator for discharging water under the general permit conditions. Acceptance of the NOI by Industrial Permits Section, notification of the acceptance to the permittee, and payment of fees constitutes authorization to discharge under the general permit. Affectment of a permit site cannot take place until both the Surface Coal Mining Permit is issued by BOM and the NOI accepted. BOM had been relying on the operator to coordinate with the BOM inspection program on providing proof of NOI acceptance by Industrial Permits prior to affecting an approved permit. In order to strengthen controls in this area, BOM has agreed to institute three additional steps to assure that both the BOM permitting, and inspection programs are aware of the NPDES permit approval by Industrial Permits, and the operator is aware of when surface affectment may occur. The controls are:

1. Coal Permit Application – BOM agreed to revise module 2 of the permit application to include a question on the applicant’s intent to apply for either an individual or general NPDES permit. If a general permit is anticipated, the applicant will be advised to send a copy to MDE when submitted.
2. Bonding Letter – BOM agreed to revise the permittee bond submittal notice to include a reminder that the Notice of Intent (NOI) must be submitted and acceptance acknowledged before permit affectment may take place.
3. NPDES approval – BOM agreed to request the Industrial Permits section send a copy of the acknowledgement of acceptance of the NOI for the NPDES permit to the Bureau’s Permitting Section. (See exhibit 3).

Five of the eighteen permits reviewed included the expectation of encountering acid and/or toxic drainage.¹⁰ All of these sites had an approved treatment plan, using lime, limestone, and/or soda ash as treatment.

Eleven of the eighteen permits included a determination that toxic overburden would be encountered.¹¹ All eleven permits had an approved special handling plan, consisting of either segregation or blending of the toxic material with calcareous material. In addition, two permits that did not indicate the presence of toxic overburden also included a special handling plan to deal with coal cleanings, etc.

COMAR 26.20.02.07 requires geologic information including analysis of overburden samples to

¹⁰ DM-84-101, SM-84-184, SM-84-273, SM-84-367, SM-96-427. This compares with 9 of 14 sites evaluated during EY03.

¹¹ Compared to 6 of 14 inspections for EY03

help in determining the probable hydrologic consequences of the proposed mining operation. A waiver of the analysis is available per 26.20.02.07B. if Maryland finds in writing, that other equivalent information is available to the Bureau in a satisfactory form. Of the eighteen permits inspected, four had received waivers.¹²

COMAR 26.20.02.13N. requires that as part of the hydrologic reclamation plan, the permit specifically address four criteria; measures to minimize disturbance to the hydrological balance; prevention of material damage; meeting water quality laws/regs.; and protection/replacement of water user rights. This information would normally be included in module III, item 8, of the permit. All permits addressed these criteria.

Bond Coverage - All criteria were met for the permit sites evaluated.

Liability Insurance - All criteria were met for the permit sites evaluated.

Ownership and Control - All criteria were met for the permit sites evaluated.

Temporary Cessation -. Three of the eighteen sites inspected were approved for temporary cessation at the time of inspection. All criteria were met for the permit sites evaluated.

Explosives Use - Six of the eighteen sites inspected included permission to conduct blasting. Blasting certifications, distance prohibitions, survey schedules, warnings, records, and control of adverse affects were all found to be in order.

MINING STANDARDS

Mining within the bonded area – All criteria were met for the permit sites evaluated.

Maximizing Coal Recovery -All permit applications require a description of maximizing coal recovery. This is a required statement on the written permit approval findings under COMAR 26.20.05.02. All permits met these criteria.

Spoil handling - All criteria were met for the permit sites for which this standard was applicable. Of the four permits which anticipated toxic overburden, all were following the approved special handling plan. Except for those permits which allowed blending of toxics in the special handling plan, no toxic overburden was observed on the permits that did not anticipate encountering toxic overburden.

Soil Handling and Storage - The criteria for this element were met for the permit sites for which this standard was applicable.

¹² As compared to 2 of 14 for EY03

Drainage Control Treatment, Monitoring, and Certification - Three of the eighteen permit sites inspected had hydrology-related violations observed. Two of the sites had discharges leaving the permit which failed to meet effluent limits for pH, Fe, or Mn. Required groundwater monitoring was also not being conducted on one of these sites. The third site had a breached diversion ditch. Appropriate state enforcement action was taken in each case.

NPDES Permit Monitoring - Upon notification of acceptance of a Notice of Intent to Discharge (NOI), or, in the case of deep mines and remining operations, issuance of an individual NPDES permit, permittees are authorized to discharge water from sediment ponds in accordance with requirements of the NPDES permit. For individual permits, these parameters are specific to the permit site and outfalls. For the general permit, flow, turbidity, total iron, total manganese, total suspended solids, and pH must be monitored for active mines, and flow, settleable solids, and pH for reclaimed areas. In order to show the area has changed from active to reclaimed status, the permittee sends a copy of the approved BOM completion report to Industrial Permits. Sampling frequency varies by parameter, but is generally two grab samples per month for active sites and one per quarter for reclaimed sites. Permittees are responsible for taking, analyzing, and reporting results of monitoring to Industrial Permits, with copies sent to the inspection program of BOM. Certain special conditions which apply to the general NPDES permit, such as ground water protection¹³, storm water runoff¹⁴, and metal analysis¹⁵ requirements are monitored by BOM. Whenever a mining permit is transferred, BOM, in the letter approving the transfer, reminds the permittee to notify the NPDES for transfer authority.¹⁶

Variations - Twelve of the eighteen permits evaluated contained variances from standard distance prohibitions. The variances were for streams (7), public roads (5), residences (4), public buildings (1), underground mines (2) and property lines (1), in order.

Explosives Use - Of the five sites which were actively conducting blasting operations, all blast records were in order, blasters were certified, distance prohibitions were being followed, survey schedules were in order, warning signals were being obeyed, and all adverse affects were being controlled.

Construction and Maintenance of Roads - All criteria were met for the permit sites for which this standard was applicable.

State Inspection/Violation Activity – All of the eighteen permit sites inspected were meeting the required inspection frequency for a consecutive twelve month period. Maryland averaged 5.6 complete inspections and 9.2 partial inspections for all inspectable units for the current evaluation period.

¹³ Assuring that any pool of standing water on the permit area for more than 48 hours has a pH between 6.0 and 9.0 (Discharge Permit term #IV.C).

¹⁴ Assure best management practices are used for controlling storm water runoff from haul roads and construction areas to prevent or reduce pollutants (Discharge Permit term #IV.D).

¹⁵ Representative sample of heavy metals from any drainage area after at least one half of the total area in the drainage has been disturbed (Discharge Permit term #IV.G.3.)

¹⁶ Discharge Permit term #I.G.

OSM has been monitoring the documentation of violations observed during inspections over the last five evaluation years (see table below). Results indicate a higher percentage of violations documented by Maryland when accompanied by an OSM inspector. This disparity has decreased significantly in the last two years but will continue to be monitored during the next evaluation year.

	<i>EY00</i>	<i>EY01</i>	<i>EY02</i>	<i>EY03</i> ¹⁷	<i>EY04</i>	<i>TOTALS</i>
<i>State-only Complete Inspections Conducted</i>	316	318	324	262	332	1552
<i>State-only Violations Cited (%)</i>	15 (4.8%)	6 (1.9%)	10 (4.1%)	12 (4.6%)	17 (5.1%)	60 (3.9%)
<i>Joint Inspections Conducted</i>	18	21	17	14	18	88
<i>Joint Inspections Violations Cited (%)</i>	7 (38.9%)	4 (19%)	8 (47.1%)	2 (14.3%)	2 (11.1%)	23 (26.1%)

Off-Site Impacts - OSM's directive governing the oversight of approved State programs, REG-8, includes among its objectives measuring and reporting the number and extent of offsite impacts occurring on active and reclaimed mine sites. Off-site impacts are anything resulting from a surface coal mining and reclamation activity or operation that causes a negative effect on resource (people, land, water, structures).

Maryland conducted 350 complete, routine, compliance inspections on Maryland's sixty inspectable units.¹⁸ Off-site impacts were observed and recorded on the off-site impacts sheet (Exhibit 5).¹⁹ In order to verify inspection results, OSM accompanied Maryland on twenty six of the inspections covering twenty three permits. These joint inspections included general oversight inspections²⁰, citizen complaint inspections²¹, bond release inspections²², and Acid Mine Drainage Inventory (AMD) inspections.²³ Some of the permit sites were reviewed for more than one type of inspection (See Exhibit 4). For each joint inspection, an MDE inspector accompanied the OSM inspector. At the conclusion of each completed inspection, a Mine Site Evaluation Report (MER) was completed. As an attachment to the MER, a data sheet titled AOff-Site Impacts@ was also completed, as well as a Performance Tracking Evaluation (PTE) form which includes off-site impact information. This data was used to characterize the nature and extent of off-site impacts found during the course of the investigation as well as enumerating the number of instances observed.

¹⁷ EY2003 evaluation period was shortened by three months, resulting in less inspections conducted.

¹⁸ Per BOM permit list as of 6/28/04

¹⁹ For State-only inspections, Off-site impacts were recorded only those sites for which a formal violation was issued

²⁰ eighteen randomly selected permit sites which were reviewed for all aspects of planning, mining, and reclamation

²¹ There were no formal complaints resulting in inspections by OSM

²² Five sites reviewed for final reclamation prior to bond release

²³ Three sites on the AMD Inventory due to unanticipated acid discharges which are reviewed semi-annually

The data collected, evaluated, and reported consists of the following information:

1. The number and types of impacts
2. Resources impacted (land, water, people, or structures); and
3. The degree of impacts (minimal, moderate, or major).

The data is shown in exhibit 4 .

Findings were recorded, compiled, and the results analyzed for trends.

Of the sixty inspectable units, fifty-five (92%) of the permits exhibited no off-site impacts.

Of the five sites with impacts, three impacts were associated with permit SM-02-441 where spoil was pushed off the permit resulting in a minor encroachment violation affecting land. A Notice of Violation and Order (NOVO) was written and the violation was abated.

Two impacts were associated with permit SM-98-430 where two impacts were observed. These impacts were for pumping water off permit and discharging water from a sediment pond, both which were exceeding effluent limits for suspended solids. A State NOVO was written and the violations were abated.

One impact was associated with permit DM-84-101. This impact resulted from a sediment pond discharging low pH water which resulted in minor off-site impact on the hydrology. The impact was reparable and was mitigated immediately by the operator via treatment. Maryland issued a Notice of Violation and Order and the violation was abated. The off-site impact was categorized as a minor hydrology impact affecting water.

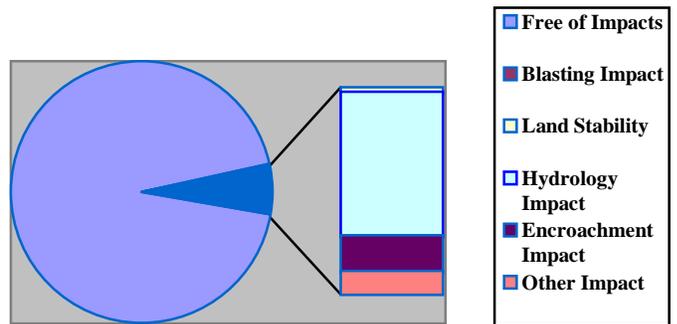
Two impacts were associated with permit SM-92-422. One resulted from a pond discharge not meeting effluent limitations for pH and Manganese. This impact was reparable and was mitigated during the inspection by closing the discharge pipe until treatment measures take place. The off-site impact was categorized as a minor hydrology affecting water. The other impact resulted from contamination of a water well. Maryland issued a NOVO for this violation as well. The off-site impact was categorized as a major hydrology impact affecting people (well water). The violation was abated by providing a replacement water well.

DM-92-110 had seven impacts associated with it. These impacts all involved ground water pollution which affected two private water supplies, a stream and underground mine pool. Three NOVO's and two Cessation Orders (CO's) were written. The violations remain unabated and the permit is undergoing forfeiture proceedings. Maryland is coordinating efforts to address the hydrologic problems.

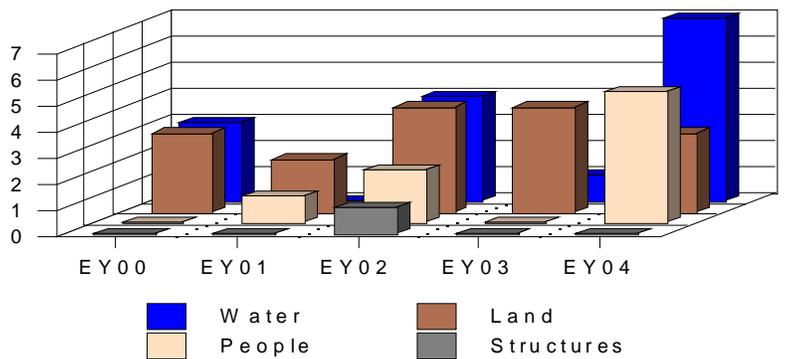
Joint inspections of twenty-three of the sixty inspectable units support the state inspection results with twenty-one (91%) exhibiting no off-site impacts.

Historical Comparison In addition to the current year evaluation, historic trends over the last five years were evaluated as to the number and types of impacts, resources impacted, and severity of impacts. Results indicate that off-site impacts in Maryland are generally minor in nature and occur infrequently. Ninety-two percent of permit sites were found free of off-site impacts for the current evaluation year (Table 1). Historically, this has held fairly constant over the last five years with an average of 94%. When impacts do occur, water and land are the most frequently impacted resources (Table 2). The severity of impacts has been predominantly minor in nature with six major impacts over the last five years. All six of those impacts occurred during the current year and were all hydrology impacts. Five of the six affected people and one affected water resources. The people were affected by contamination of water wells.

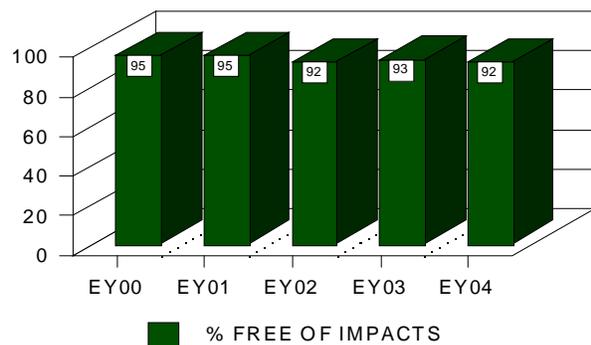
Off-Site Impacts Distribution '00 to '04



IMPACTED RESOURCES (All inspections) Table 2



SITES FREE OF IMPACTS (All Inspections) Table 1



RECLAMATION STANDARDS

Backfilling and Grading - Criteria was met for the permit sites for which it was applicable.

Resoiling - All criteria were met for the permit sites for which it was applicable.

Revegetation - All criteria were met for the permit sites for which it was applicable.

Hydrologic Quantity, Quality, and Recharge Capacity Restoration - All criteria were met for the permit sites for which it was applicable.

Post Mining Use - All criteria were met for the permit sites for which it was applicable. Nine of the eighteen applicable sites were reclaiming from and to an undeveloped land use. In addition, four pasture to pasture, one pasture to forest and undeveloped, one industrial/commercial to industrial/commercial; and one site remained forest use to forest use.

RECOMMENDATIONS

Maryland continues to manage and oversee the planning, mining, and reclamation activities of coal operators in an effective manner in achieving the goals of the Surface Mining Control and Reclamation Act (SMCRA) to control adverse environmental impacts during and after mining. The following recommendations are designed to further improve these program activities:

- Recommend implementing a revision to module 2 of the permit application to include a question on the applicant's intent to apply for either an individual or general NPDES permit. If a general permit is anticipated, the applicant will be advised to send a copy to MDE when submitted.²⁴
- Recommend implementing a revision to the permittee bond submittal notice to include a reminder that the Notice of Intent to discharge (NOI) must be submitted and acceptance acknowledged before permit affectment may take place.²⁴
- Recommend implementing a policy to request the Industrial Permits section send a copy of the acknowledgement of acceptance of the NOI for the NPDES permit to the Bureau's Permitting Section. (See exhibit 3).²⁴

²⁴ See Findings, Permitting Standards, Hydrologic Planning section, page 7

EXHIBITS

Exhibit 1 – Evaluation Standards

PERMITTING STANDARDS

Valid Permit - The operator has obtained a valid permit (reference: MSE item A.1.; Code of Maryland Regulations (COMAR) 26.20.02.01; 30 Code of Federal Regulations (CFR) ' 773.11).

Permit Terms and Conditions - The operator is conducting operations according to terms and conditions of the permit. If the permit is designated as a remaining permit, all criteria for the designation are being met (reference: MSE A.3., H, J.1.-2; PTE A.1-8; COMAR 26.20.05.03; 30CFR ' 773.15(c)(12) and (13), and 773.17).

Hydrologic Planning The application includes maps showing the location of drainage control facilities, a plan to control drainage that meets all requirements, and a notice of intent for discharges has been filed with industrial permits program on the proper forms and timing (reference: COMAR 26.20.02.13; Drainage Controls Evaluation Form modules A and B) and special handling procedures are as required (reference: PTE B.1-7; COMAR 26.08.03 and .04, 26.20.02.13N, 26.20.02.06/.08, 26.20.04.01/.02; Maryland Annotated Code ' 9-323-333; 30CFR ' 780.21);

Bond Coverage - The affected area is bonded (reference: MSE A.2.; COMAR 26.20.14.01; 30CFR ' 773.11).

Liability Insurance - A liability insurance policy is in force for the permit (reference: MSE A.4.; COMAR 26.20.15; 30CFR ' 800.60).

Ownership and Control - The permit contains required ownership and control information (reference: MSE A.5.; COMAR 26.20.02.03; 30CFR ' 778.13).

Temporary Cessation - The operator has secured facilities, complied with permit provisions, submitted notice, and identified maintenance and reclamation activities (reference: MSE A.6.; PTE D.1.; COMAR 26.20.05.03; 30CFR ' 816/817.131).

Explosives Use – Blasting plan includes all program requirements (reference Blasting Evaluation Form module A.; COMAR 26.20.02.13; Application module IV)

MINING STANDARDS

Mining within the bonded area – Mining activities do not extend beyond the bonded area limits (reference: MSE A.2.; COMAR 26.20.31.07(A)1).

Maximizing Coal Recovery - Mining activities are conducted to reasonably maximize the use of the coal using the

best technology to maintain environmental integrity and minimize the probability of re-affecting the land (reference: PTE A.4 COMAR 26.20.05.02).

Spoil Handling - Any required special handling procedures are implemented. Drainage from acid and toxic forming materials is avoided. Toxic materials are handled to avoid leaching. Refuse piles and excess spoil is handled and placed properly, drainage controlled, surface stabilized, and required inspections and certifications made (reference: MSE B.9., D.6., E.1-4, F.1-5; PTE F.1-5; COMAR 26.20.26, .27, .28; 30CFR ' 816.41(f), ' 816.102(c), ' 816.71(e)-(h), ' 816.83(a)-(d)).

Soil Handling and Storage - Sufficient soil or alternatives are available. Soil was removed and stored properly (reference: MSE C.1., 3.; COMAR 26.20.25; 30CFR ' 816.22).

Drainage Control, Treatment, Monitoring, and Certification - Sediment control measures are sufficient to prevent off-site sediment and erosion. Diversions, siltation structures, discharge structures, and impoundments are designed properly, and inspected and certified as required. Ground and surface water monitoring is conducted as required. Discharges are within effluent limits. Stream buffer zones are established and maintained (reference: MSE B.1-8, 10, 11; PTE G.1-4; COMAR 26.20.20, .21, Annotated Code of Maryland ' 9-321/322, and; 30CFR ' 816.41(c)-(f), ~816.42, ' 816.43, ' 816.45-.47, ' 816.49, ' 816.57).

Variations - Subject to formal exceptions, mining is being avoided within the boundaries of the National Park system, National Wildlife Refuge System, National System of Trails, Nations Wilderness Preservation System, Wild and Scenic Rivers System, National forest, or National Recreation Areas, lands where it will adversely affect any publicly owned park or places included in the National Register of Historic places, within 100 feet of any cemetery, stream, or public road, 300 feet of an occupied dwelling, 300 feet of a public building, school, church, community or institutional building or park, and wetlands. Land is being returned to approximate original contour, and all topsoil is being saved (references: MSE K.; PTE I.1-9; COMAR 26.20.10; 30CFR ' 761.11).

Explosives Use - Blasters are certified, distance prohibitions maintained, pre-blast survey requirements met, schedule notifications issued, warnings, signs, and records maintained, access controlled, blasting conducted and monitored to prevent injury, damage, adverse impacts, and water depletion (references: Blasting Evaluation Form modules B, C, and D; MSE G.1-5; PTE J.1; COMAR 26.20.22; 30CFR ' 816.61-.68).

Construction and Maintenance of Roads - Road drainage is controlled properly. Roads are constructed, maintained, surfaced, and reclaimed in accordance with requirements (reference: MSE I.1-5; PTE K.1-3; COMAR 26.20.19; 30CFR ' 816.150(a)-(c), (e)-(f), 816.151(a), (d).

State Inspection and Enforcement - Partial and complete state inspections are meeting mandated frequency and complete inspections include review of all permit conditions and requirements of the Regulatory Program. Violations are cited whenever an operation is found to be in violation of the Regulatory Program or any condition of a permit. (reference: PTE L.1-5; COMAR 26.20.31.02 and .06; 30CFR ' 840.11).

RECLAMATION STANDARDS

Backfilling and Grading - Drilled holes have been cased, sealed, or otherwise managed to prevent acid or other toxic

drainage, minimize disturbance to the hydrologic balance, and ensure safety. Reclamation to disturbed areas has been conducted as contemporaneously as practical, erosion minimized, rills and gullies stabilized, resoiled and reseeded, approximate original contour achieved, high walls eliminated, toxics adequately covered, steep slope restrictions met (reference: MSE D.1-5, 7; PTE N.1-2; COMAR 26.20.20.06-.09, 26.20.28; 30 CFR ' 816.95(b), ' 816.13-.15, ' 816.100, ' 816.102(a)(1)-(2), ' 816.102(c), ' 816.107, 823.11, .21).

Resoiling - Topsoil has been redistributed properly (reference: MSE C.2, 4.; PTE I.5; COMAR 26.20.29; 30 CFR ' 816.22(d)).

Revegetation - A diverse, effective, successful, and permanent vegetative cover of native or desirable species has been planted during the first favorable planting period and established (reference: MSE L.1., 2.; PTE P.1-3; COMAR 26.20.29; 30CFR ' 816.111, .113, and .115).

Hydrologic Quantity, Quality, and Recharge Capacity Restoration - Ground and surface water monitoring is conducted in accordance with the approved monitoring plan until demonstrated that disturbance to the hydrologic balance has been minimized, water quantity and quality are suitable to support the post use, water rights of other users have been protected or replaced, or monitoring is no longer necessary to achieve the purposes set forth in the monitoring plan, removed temporary impoundments, and demonstrated that permanent impoundments meet all program requirements (reference: Drainage Controls Evaluation Form module I; MSE B.7., 8.; PTE O.1-3; COMAR 26.20.20.01-.05; 30CFR ' 816.41(c) and (e)).

Post Mining Use - Disturbed areas have been restored in a timely manner to conditions that are capable of supporting the uses they were capable of supporting before any Mining or higher or better uses (reference: MSE M.; PTE P.1-2).

Exhibit 2 – NPDES Individual Permit Flow Chart

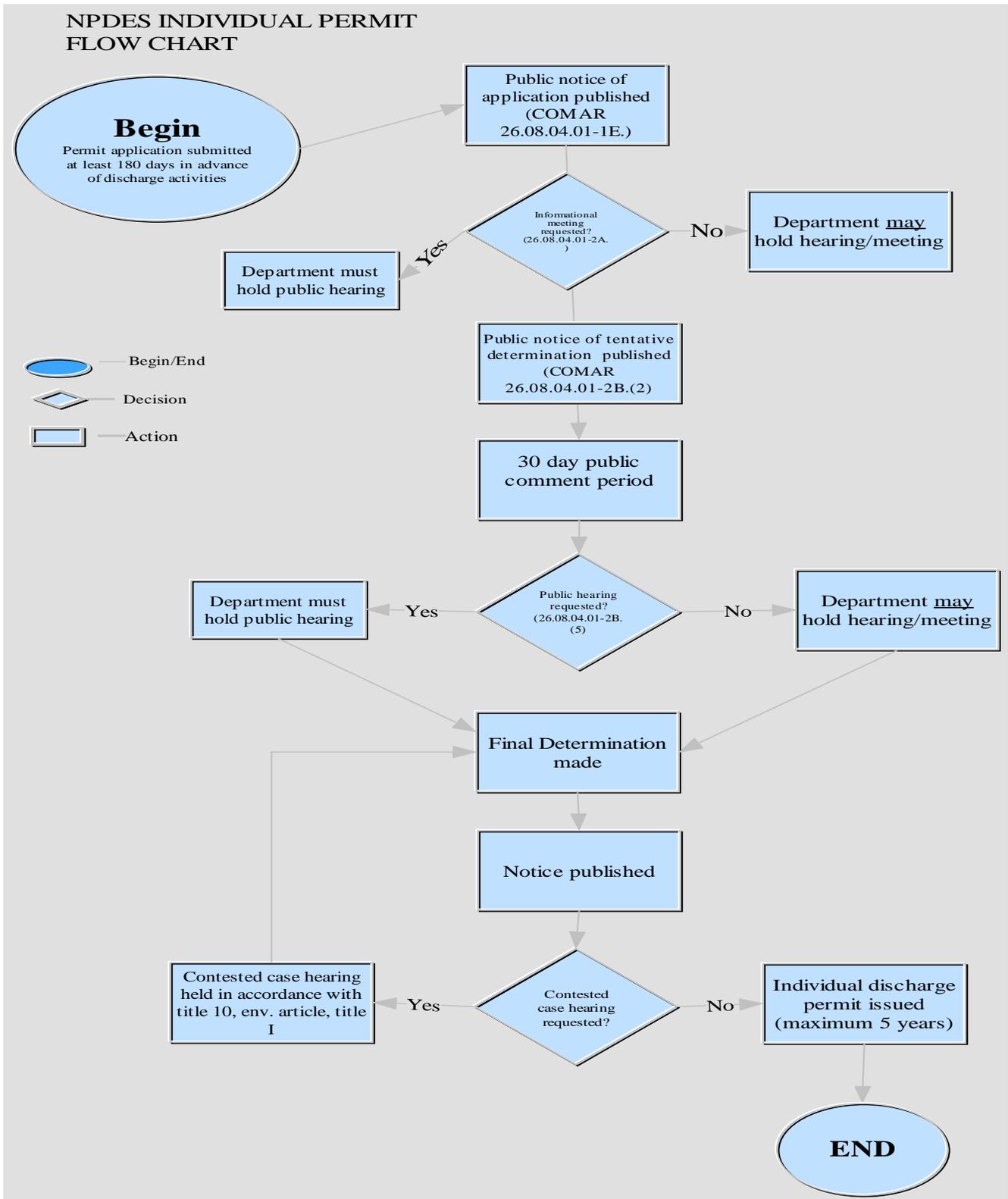


Exhibit 3 – NPDES General Permit Flow Chart

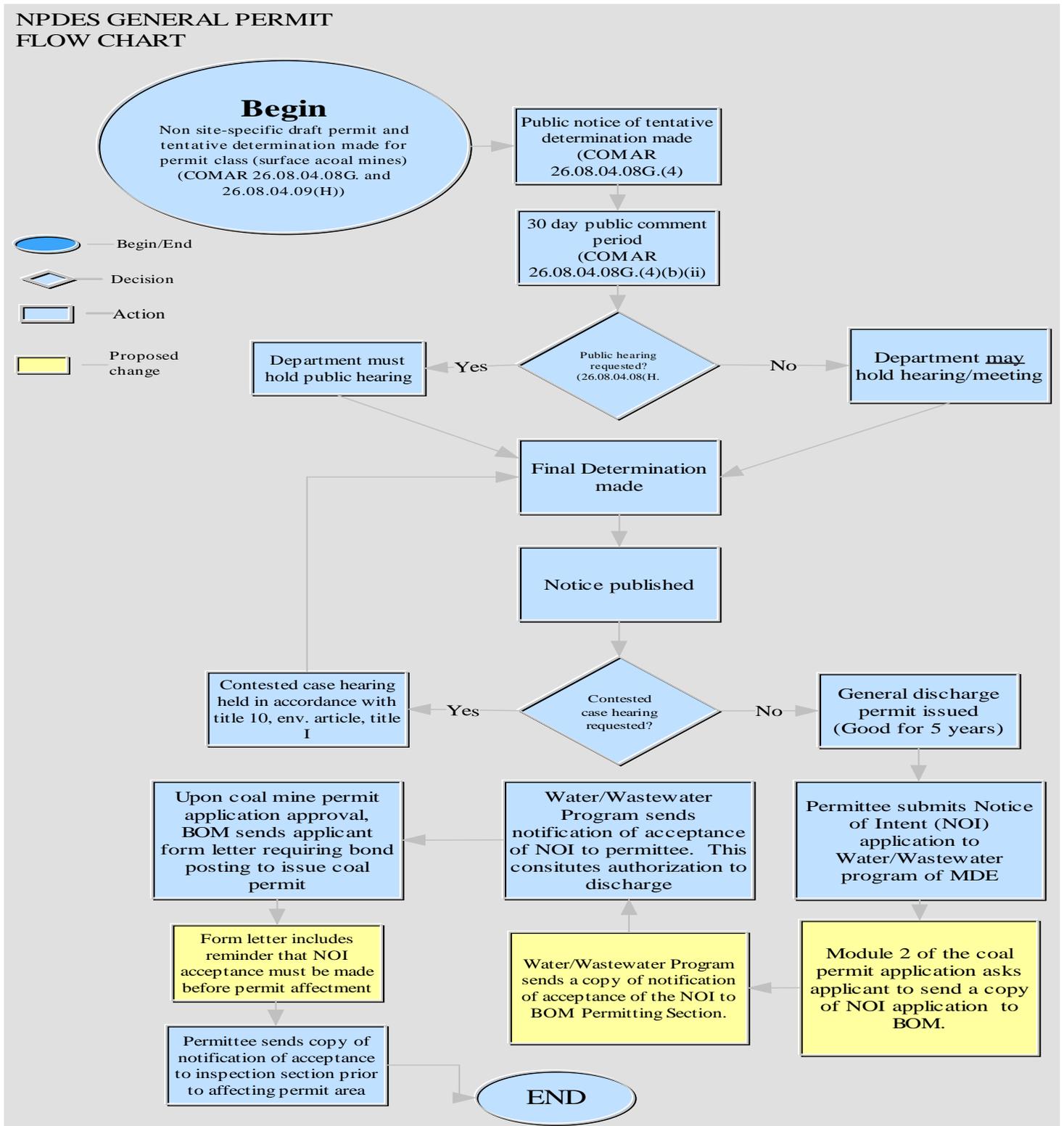


Exhibit 4 – Off-Site Impact – OSM Inspections

PERMIT NUMBER	INSPEC-TION TYPE	NUMBER OF IMPACTS	REPARABLE	MITIGATED IMPACTS	UNMITIGATED IMPACTS	PEOPLE IMPACTS	LAND IMPACTS	WATER IMPACTS	STRUCTURE IMPACTS
DM-84-101	General Oversight and AMD	1	1	1	0	0	0	1	0
DM-89-108	General Oversight	0	0	0	0	0	0	0	0
SC-87-118	General Oversight	0	0	0	0	0	0	0	0
SM-84-184	General Oversight	0	0	0	0	0	0	0	0
SM-84-273	General Oversight and Bond Release	0	0	0	0	0	0	0	0
SM-84-297	AMD	0	0	0	0	0	0	0	0
SM-84-335	AMD	0	0	0	0	0	0	0	0
SM-84-338	General Oversight	0	0	0	0	0	0	0	0
SM-84-365	Bond Release	0	0	0	0	0	0	0	0
SM-84-367	General Oversight and Bond Release	0	0	0	0	0	0	0	0
SM-84-375	Bond Release	0	0	0	0	0	0	0	0
SM-87-411	General Oversight	0	0	0	0	0	0	0	0
SM-89-414	General Oversight	0	0	0	0	0	0	0	0
SM-92-422	General Oversight	1	1	0	1	0	0	1	0
SM-92-423	General Oversight	0	0	0	0	0	0	0	0
SM-95-425	Bond Release	0	0	0	0	0	0	0	0
SM-96-427	General Oversight	0	0	0	0	0	0	0	0
SM-97-428	General Oversight	0	0	0	0	0	0	0	0
SM-00-436	General Oversight	0	0	0	0	0	0	0	0
SM-01-437	General Oversight	0	0	0	0	0	0	0	0
SM-01-438	General Oversight	0	0	0	0	0	0	0	0
SM-01-439	General Oversight	0	0	0	0	0	0	0	0
SM-02-443	General Oversight	0	0	0	0	0	0	0	0
TOTALS		2	2	1	1	0	0	2	0

OFF-SITE IMPACTS

Exhibit 5- Off-Site Impacts – All Inspections

RESOURCES AFFECTED		People			Land			Water			Structures		
DEGREE OF IMPACT		minor	moderate	major	minor	moderate	major	minor	moderate	major	minor	moderate	major
TYPE OF IMPACT AND TOTAL NUMBER OF EACH TYPE	Blasting												
	Land Stability												
	Hydrology	14		5	2			3	3	1			
	Encroachment	1			1								
	Other												
	Total	15	0	0	5	3	0	0	3	3	1	0	0

Total number of inspectable units: 55
 Inspectable units free of off-site impacts: 60

OFF-SITE IMPACTS ON BOND FORFEITURE SITES

RESOURCES AFFECTED		People			Land			Water			Structures		
DEGREE OF IMPACT		minor	moderate	major	minor	moderate	major	minor	moderate	major	minor	moderate	major
TYPE OF IMPACT AND TOTAL NUMBER OF EACH TYPE	Blasting												
	Land Stability												
	Hydrology												
	Encroachment												
	Other												
	Total	0	0	0									

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

Exhibit 5 – Mine Site Evaluation Form

**U. S. DEPT. OF THE INTERIOR
OFFICE OF SURFACE MINING**

Mine Site Evaluation

State Program

Permittee/ Person

Permit Number

Field Visit Date / /

Continuation Page

28. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited

<p>A. Administrative</p> <p>1. <input type="checkbox"/> Mining within Valid Permit</p> <p>2. <input type="checkbox"/> Mining within Bonded Area</p> <p>3. <input type="checkbox"/> Terms & Conditions of Permit</p> <p>4. <input type="checkbox"/> Liability Insurance</p> <p>5. <input type="checkbox"/> Ownership and Control</p> <p>6. <input type="checkbox"/> Temporary Cessation</p> <p>7. <input type="checkbox"/> AML Rec. Fees -- Non-Respondent</p> <p>8. <input type="checkbox"/> AML Rec. Fees -- Failure to Pay</p> <p>B. Hydrologic Balance</p> <p>1. <input type="checkbox"/> Drainage Control</p> <p>2. <input type="checkbox"/> Inspections & Certifications</p> <p>3. <input type="checkbox"/> Siltation Structures</p> <p>4. <input type="checkbox"/> Discharge Structures</p> <p>5. <input type="checkbox"/> Diversions</p> <p>6. <input type="checkbox"/> Effluent Limits</p> <p>7. <input type="checkbox"/> Ground Water Monitoring</p> <p>8. <input type="checkbox"/> Surface Water Monitoring</p> <p>9. <input type="checkbox"/> Drainage -- Acid-Toxic Materials</p> <p>10. <input type="checkbox"/> Impoundments</p> <p>11. <input type="checkbox"/> Stream Buffer Zones</p> <p>C. Topsoil & Subsoil</p> <p>1. <input type="checkbox"/> Removal</p> <p>2. <input type="checkbox"/> Substitute Materials</p> <p>3. <input type="checkbox"/> Storage and Protection</p> <p>4. <input type="checkbox"/> Redistribution</p>	<p>D. Backfilling & Grading</p> <p>1. <input type="checkbox"/> Exposed Openings</p> <p>2. <input type="checkbox"/> Contemporaneous Reclamation</p> <p>3. <input type="checkbox"/> Approximate Original Contour</p> <p>4. <input type="checkbox"/> Highwall Elimination</p> <p>5. <input type="checkbox"/> Steep Slopes (includes downslope)</p> <p>6. <input type="checkbox"/> Handling of Acid & Toxic Materials</p> <p>7. <input type="checkbox"/> Stabilization (rills and gullies)</p> <p>E. Excess Spoil Disposal</p> <p>1. <input type="checkbox"/> Placement</p> <p>2. <input type="checkbox"/> Drainage Control</p> <p>3. <input type="checkbox"/> Surface Stabilization</p> <p>4. <input type="checkbox"/> Inspections & Certifications</p> <p>F. Coal Mine Waste (Refuse Piles/Impoundments)</p> <p>1. <input type="checkbox"/> Drainage Control</p> <p>2. <input type="checkbox"/> Surface Stabilization</p> <p>3. <input type="checkbox"/> Placement</p> <p>4. <input type="checkbox"/> Inspections and Certifications</p> <p>5. <input type="checkbox"/> Impounding Structures</p> <p>G. Use Of Explosives</p> <p>1. <input type="checkbox"/> Blaster Certification</p> <p>2. <input type="checkbox"/> Distance Prohibitions</p> <p>3. <input type="checkbox"/> Blast Survey/Schedule</p> <p>4. <input type="checkbox"/> Warnings & Records</p> <p>5. <input type="checkbox"/> Control of Adverse Effects</p>	<p>H. Subsidence Control Plan</p> <p>I. Roads</p> <p>1. <input type="checkbox"/> Road Construction</p> <p>2. <input type="checkbox"/> Certification</p> <p>3. <input type="checkbox"/> Drainage</p> <p>4. <input type="checkbox"/> Surfacing and Maintenance</p> <p>5. <input type="checkbox"/> Reclamation</p> <p>J. Signs & Markers</p> <p>1. <input type="checkbox"/> Signs</p> <p>2. <input type="checkbox"/> Markers</p> <p>K. Distance Prohibitions</p> <p>L. Vegetation</p> <p>1. <input type="checkbox"/> Vegetative Cover</p> <p>2. <input type="checkbox"/> Timing</p> <p>M. Postmining Land Use</p> <p>N. Other</p> <p>General _____</p> <p>Performance _____</p> <p>Category _____</p> <p>_____ 1) _____</p> <p>_____ 2) _____</p> <p>_____ 3) _____</p>
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Performance Standard Categories 30 CFR Counterpart	
A. Administrative.....	(816/817.71-74)
1. Valid Permit.....	773.11
2. Mining within Bonded Area.....	773.11
3. Terms & Conditions of Permit.....	773.17
4. Liability Insurance.....	800.60
5. Ownership and Control.....	778.13
6. Temporary Cessation.....	842.11(c) & 816/817.131
7. AML Rec. Fees -- Non-Respondant.....	870.15(b)
8. AML Rec. Fees -- Failure to Pay.....	870.15(a)
B. Hydrologic Balance.....	(816/817.41-57)
1. Drainage Control.....	45
2. Inspections & Certifications.....	49(a)(10)
3. Siltation Structures.....	46
4. Discharge Structures.....	47
5. Diversions.....	43
6. Effluent Limits.....	42
7. Ground Water Monitoring.....	41(c)
8. Surface Water Monitoring.....	41(e)
9. Drainage--Acid - Toxic Materials.....	41(f)
10. Impoundments.....	49
11. Stream Buffer Zones.....	57
C. Topsoil & Subsoil.....	(816/817.22)
1. Removal.....	22(a)
2. Substitute Materials.....	22(c)
3. Storage and Protection.....	22(c)
4. Redistribution.....	22(d)
D. Backfilling & Grading.....	(816/817.95-107)
1. Exposed Openings.....	816/817.13, 14, 15, & 823.11 & 21
2. Contemporaneous Reclamation.....	100
3. Approximate Original Contour.....	102(a)(1)
4. Highwall Elimination.....	102(a)(2)
5. Steep Slopes (includes downslope).....	107
6. Handling of Acid & Toxic Materials.....	102(c)
7. Stabilization (rills and gullies).....	95(b)
E. Excess Spoil Disposal.....	(816/817.71-74)
1. Placement.....	71(e)
2. Drainage Control.....	71(f)
3. Surface Stabilization.....	71(g)
4. Inspections & Certifications.....	71(h)
F. Coal Mine Waste (Refuse Piles/Impoundments)	(816/817.81-84)
1. Drainage Control.....	83(a)
2. Surface Stabilization.....	83(b)
3. Placement.....	83(c)
4. Inspections and Certifications.....	83(d)
5. Impounding Structures.....	84
G. Use of Explosives.....	(816/817.61-68)
1. Blaster Certification.....	61(e)
2. Distance Prohibitions.....	61(d)
3. Blast Survey/Schedule.....	62-64
4. Warnings & Records.....	66 & 68
5. Control of Adverse Effects.....	67
H. Subsidence Control Plan.....	(817.121-122)
I. Roads.....	(816/817.150-151)
1. Road Construction.....	150(c)
2. Certification.....	151(a)
3. Drainage.....	150(b)-151(d)
4. Surfacing and Maintenance.....	150(c)-151(d)
5. Reclamation.....	150(f)
J. Signs & Markers	(816/817.11)
1. Signs.....	11(a),(b), & c
2. Markers.....	11(a),(b),(d),(e), & f
K. Distance Prohibitions.....	(761.11)
L. Revegetation.....	(816/817.111-116)
1. Vegetative Cover.....	111 & 116
2. Timing.....	11
M. Postmining Land Use.....	(816/817.133)

U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING

Mine Site Evaluation

State Program

Permittee/Person

Permit Number

Field Visit Date / /

Continuation Page

28. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere, 6=Previously Cited

<p>A. Administrative</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Mining within Valid Permit 2. <input type="checkbox"/> Mining within Bonded Area 3. <input type="checkbox"/> Terms & Conditions of Permit 4. <input type="checkbox"/> Liability Insurance 5. <input type="checkbox"/> Ownership and Control 6. <input type="checkbox"/> Temporary Cessation 7. <input type="checkbox"/> AML Rec. Fees -- Non-Respondent 8. <input type="checkbox"/> AML Rec. Fees -- Failure to Pay <p>B. Hydrologic Balance</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Drainage Control 2. <input type="checkbox"/> Inspections & Certifications 3. <input type="checkbox"/> Siltation Structures 4. <input type="checkbox"/> Discharge Structures 5. <input type="checkbox"/> Diversions 6. <input type="checkbox"/> Effluent Limits 7. <input type="checkbox"/> Ground Water Monitoring 8. <input type="checkbox"/> Surface Water Monitoring 9. <input type="checkbox"/> Drainage -- Acid-Toxic Materials 10. <input type="checkbox"/> Impoundments 11. <input type="checkbox"/> Stream Buffer Zones <p>C. Topsoil & Subsoil</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Removal 2. <input type="checkbox"/> Substitute Materials 3. <input type="checkbox"/> Storage and Protection 4. <input type="checkbox"/> Redistribution 	<p>D. Backfilling & Grading</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Exposed Openings 2. <input type="checkbox"/> Contemporaneous Reclamation 3. <input type="checkbox"/> Approximate Original Contour 4. <input type="checkbox"/> Highwall Elimination 5. <input type="checkbox"/> Steep Slopes (includes downslope) 6. <input type="checkbox"/> Handling of Acid & Toxic Materials 7. <input type="checkbox"/> Stabilization (rills and gullies) <p>E. Excess Spoil Disposal</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Placement 2. <input type="checkbox"/> Drainage Control 3. <input type="checkbox"/> Surface Stabilization 4. <input type="checkbox"/> Inspections & Certifications <p>F. Coal Mine Waste (Refuse Piles/Impoundments)</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Drainage Control 2. <input type="checkbox"/> Surface Stabilization 3. <input type="checkbox"/> Placement 4. <input type="checkbox"/> Inspections and Certifications 5. <input type="checkbox"/> Impounding Structures <p>G. Use Of Explosives</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Blaster Certification 2. <input type="checkbox"/> Distance Prohibitions 3. <input type="checkbox"/> Blast Survey/Schedule 4. <input type="checkbox"/> Warnings & Records 5. <input type="checkbox"/> Control of Adverse Effects 	<p>H. Subsidence Control Plan</p> <p>I. Roads</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Road Construction 2. <input type="checkbox"/> Certification 3. <input type="checkbox"/> Drainage 4. <input type="checkbox"/> Surfacing and Maintenance 5. <input type="checkbox"/> Reclamation <p>J. Signs & Markers</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Signs 2. <input type="checkbox"/> Markers <p>K. Distance Prohibitions</p> <p>L. Revegetation</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Vegetative Cover 2. <input type="checkbox"/> Timing <p>M. Postmining Land Use</p> <p>N. Other</p> <p>General _____ Performance _____ Category _____</p> <p>_____ 1) _____ _____ 2) _____ _____ 3) _____</p>
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Performance Standard Categories 30 CFR Counterpart	
<p>A. Administrative.....(816/817.71-74)</p> <ol style="list-style-type: none"> 1. Valid Permit.....773.11 2. Mining within Bonded Area.....773.11 3. Terms & Conditions of Permit.....773.17 4. Liability Insurance.....800.60 5. Ownership and Control.....778.13 6. Temporary Cessation.....842.11(c) & 816/817.131 7. AML Rec. Fees -- Non-Respondant.....870.15(b) 8. AML Rec. Fees -- Failure to Pay.....870.15(a) <p>B. Hydrologic Balance.....(816/817.41-57)</p> <ol style="list-style-type: none"> 1. Drainage Control.....45 2. Inspections & Certifications.....49(a)(10) 3. Siltation Structures.....46 4. Discharge Structures.....47 5. Diversions.....43 6. Effluent Limits.....42 7. Ground Water Monitoring.....41(c) 8. Surface Water Monitoring.....41(e) 9. Drainage--Acid - Toxic Materials.....41(f) 10. Impoundments.....49 11. Stream Buffer Zones.....57 <p>C. Topsoil & Subsoil.....(816/817.22)</p> <ol style="list-style-type: none"> 1. Removal.....22(a) 2. Substitute Materials.....22(c) 3. Storage and Protection.....22(c) 4. Redistribution.....22(d) <p>D. Backfilling & Grading.....(816/817.95-107)</p> <ol style="list-style-type: none"> 1. Exposed Openings.....816/817.13, 14, 15, & 823.11 & 21 2. Contemporaneous Reclamation.....100 3. Approximate Original Contour.....102(a)(1) 4. Highwall Elimination.....102(a)(2) 5. Steep Slopes (includes downslope).....107M 6. Handling of Acid & Toxic Materials.....102(c) 7. Stabilization (rills and gullies).....95(b) 	<p>E. Excess Spoil Disposal.....(816/817.71-74)</p> <ol style="list-style-type: none"> 1. Placement.....71(e) 2. Drainage Control.....71(f) 3. Surface Stabilization.....71(g) 4. Inspections & Certifications.....71(h) <p>F. Coal Mine Waste (Refuse Piles/Impoundments)(816/817.81-84)</p> <ol style="list-style-type: none"> 1. Drainage Control.....83(a) 2. Surface Stabilization.....83(b) 3. Placement.....83(c) 4. Inspections and Certifications.....83(d) 5. Impounding Structures.....84 <p>G. Use of Explosives.....(816/817.61-68)</p> <ol style="list-style-type: none"> 1. Blaster Certification.....61(e) 2. Distance Prohibitions.....61(d) 3. Blast Survey/Schedule.....62-64 4. Warnings & Records.....66 & 68 5. Control of Adverse Effects.....67 <p>H. Subsidence Control Plan.....(817.121-122)</p> <p>I. Roads.....(816/817.150-151)</p> <ol style="list-style-type: none"> 1. Road Construction.....150(c) 2. Certification.....151(a) 3. Drainage.....150(b)-151(d) 4. Surfacing and Maintenance.....150(c)-151(d) 5. Reclamation.....150(f) <p>J. Signs & Markers(816/817.11)</p> <ol style="list-style-type: none"> 1. Signs.....11(a),(b),&c 2. Markers.....11(a),(b),(d),(e),&f <p>K. Distance Prohibitions.....(761.11)</p> <p>L. Revegetation.....(816/817.111-116)</p> <ol style="list-style-type: none"> 1. Vegetative Cover.....111 & 116 2. Timing.....11 <p>M. Postmining Land Use.....(816/817.133)</p>

U. S. DEPT. OF THE INTERIOR OFFICE OF SURFACE MINING Mine Site Evaluation

State Program
Continuation Page

Permittee/Person Permit Number Field Visit Date / /

29. Off-Site Impact Data and Identified Violation Data.

List all Ten-Day Notice actions and all Federal NOV or CO actions taken or reviewed during this current OSM site visit. List the off-site impacts associated with either State or Federal actions taken during this site visit.

<p>1. A. Specific State Law/Regulations Violated: _____</p> <p>B. Description: _____</p> <p>C. Performance Standard <input type="checkbox"/> D. Abated (Y/N) <input type="checkbox"/></p> <p>E. OSM Action <input type="checkbox"/> F. OSM Action Number <input type="text"/> Viol.# <input type="text"/></p> <p>G. Optional <input type="checkbox"/> H. Any Off-Site Impacts Y/N <input type="checkbox"/></p> <p>I. Latitude <input type="text"/> J. Longitude <input type="text"/> K. Elevation <input type="text"/></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">L. Off-Site Impacts</th> </tr> <tr> <th></th> <th style="text-align: center;">People</th> <th style="text-align: center;">Land</th> <th style="text-align: center;">Water</th> <th style="text-align: center;">Structures</th> </tr> </thead> <tbody> <tr> <td>Blasting</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Stability</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Hydrology</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Encroachment</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	L. Off-Site Impacts					People	Land	Water	Structures	Blasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Encroachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Off-Site Impacts																																			
	People	Land	Water	Structures																															
Blasting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
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OSM Action

- | | |
|-----------------------------|---|
| 1) Deferred to State Action | 5) IH-CO Issued (Imminent Environmental Harm) |
| 2) TDN Issued | 6) ID-CO Issued (Imminent Danger to Public) |
| 3) NOV Issued | 7) Previously Cited by RA, Abatement Pending |
| 4) FTA-CO Issued | 8) Abated during or before OSM Inspection |
| | 9) Follow-up of Federal Action |

Off-Site Impacts

For each type of impact and resource affected, enter "N, D, or J" to describe the degree of off-site impact:

- N - Minor Occurrence
- D - Moderate Occurrence
- J - Major Occurrence

Page ___ of ___
Revised December 4, 1998

Exhibit 6 – General Performance Evaluation Form

<i>GENERAL OVERSIGHT</i>		
1	Survey Name	GENERAL OVERSIGHT (Maryland)
2	Survey Identification Code	MD03-GNOVERSGT
3	Survey Version	MD03-GNOVRSGHT-29
4	Version Date	5/22/03
5	Date Survey Form Completed	
6	Permit Site Review Date:	
7	Inspector #	
8	Company:	
9	OSM Inspector	
10	Permit Number:	
11	State:	Maryland
12	Permit Issue Date:	
13	County:	
14	Facility Type:	Surface
15	Township:	

Module Title	Jump to Module
Permit Terms and Conditions	A
Hydrologic Planning	B
Ownership and Control	C
Temporary Cessation	D
Coal Recovery	E
Spoil Handling	F
Drainage Control / Treatment / Monitoring / Certification	G
Remining	H
Variances	I
Explosive Use	J
Construction / Maintenance of Roads	K
State Inspections	L
General Reclamation Standards	M
Backfilling / Grading	N
Hydrologic Quantity / Quality / Recharge Restoration	O
Land Use / Revegetation	P
Contemporaneous Reclamation	Q
Off-Site Impacts	R
Narrative / Special Comments	S

This document is Read-Only. After completing data entry for this survey, save the file in the

C:\Data\PTS\Maryland PTS\Unprocessed folder.

Give the file a name using format: *permit number+GN+inspection date*.

Example: C:\Data\PTS\Maryland PTS\Unprocessed\SM-84-100DR01012003

This indicates that on permit SM-84-100 a general oversight survey (**GN**) was conducted on January 1, 2003 (**01012003**)

Note: There are no dashes, slashes, or other delimiters in the date portion of the filename

A				PERMITTING STANDARDS:	GS-Mod-A (Rev. 03/27/2003)
	1			Date annual progress review completed (For Md = Annual Progress Review)	
		a		Was review acceptable without requiring modifications? (i.e.; bond, land use, CHIA, structures, etc) (If “yes”, go to 2.; Otherwise, go to b.)	Yes
		b		List modifications	
	2			Has an application for permit renewal been submitted?(If “No” and autocalc shows (inspection date - expiration date) > 120 days, go to a; Otherwise, go to 3.)	NA
		a		Please explain absence of application for permit renewal	
	3			Are standard (i.e.; non-innovative) mining/reclamation techniques planned)? (If YES, go to 4; Otherwise go to a.)	Yes
		a		Please describe innovative mining / reclamation techniques planned	
	4			Does file contain required written findings of RA per 30CFR773.15(c)? (i.e.; complete, accurate, reclamation can be accomplished, distance prohibitions, etc.. Note; 7 findings apply to all permits; the rest are site-specific)	Yes
	5			List approved planting species	
	6			List approved planting rates	
	7			Does the permit address the Cultural, historic, and archeological resources? (if “yes” go to b; otherwise explain in “a.”)	Yes
		a		Explanation	
		b		Were comments received from the SHPO? (if “yes” go to next section, otherwise go to “1.”)	Yes
			1	Explanation	
	8			Comments (Please designate question #(s) being commented on)	

B				HYDROLOGIC PLANNING	GS-Mod-B (Rev. 03/25/2003)
	1			Does the permit file contain a completed CHIA for the cumulative impact area? (i.e.; assessment of the probable cumulative impacts of all anticipated coal mining in the cumulative impact area on the hydrologic balance and whether proposed operations have been designed to prevent damage to the hydrologic balance outside the proposed permit area)	Yes
	2			Does the application provide an assessment of the PHC?	Yes
	3			Does the permit address the 4 criteria under COMAR 26.20.02.13 N., Hydrologic Reclamation Plan.(measures to minimize disturbance to hydrological balance; prevent material damage, meet water quality laws/regs; protect/replace water user rights. (This should normally be in module III, item 8 of application)	Yes
		a		Is quarterly water monitoring required? (if YES, go to 1.; Otherwise, go to b)	Yes
			1	Number of monitoring points?	
			2	Type of monitoring points (i.e., well, spring, stream)	Well
		b		Are all quarterly monitoring reports on file?	Yes
		c		Is there evidence the RA is collecting samples to verify accuracy of monitoring data? (If “YES” go to “d”; otherwise go to “1”)	Yes
			1	Comment	
		d		Is water anticipated to be non-toxic/non-acid? (If YES, go to 4; Otherwise, go to 1.)	Yes
			1	Is there a treatment plan? (If “YES” go to 2.; otherwise go to “a”)	NA
			a	Explanation	
			2	What type of reagent is to be used?	
			3	What is the source of the AMD/Toxic water?	
	4			Was overburden analysis required? (if “YES” go to 5; otherwise, go to a.)	Yes
		a		Is there a written finding on file showing analysis is unnecessary because other information if available?	NA
	5			Did analysis indicate overburden was non-toxic? (If YES, go to 6; Otherwise, go to a.)	Yes

B				HYDROLOGIC PLANNING	GS-Mod-B (Rev. 03/25/2003)
		a		Are special handling conditions required?	No
	6			Does the applicant provide water quality data from the mine pool?	Yes
	7			Are streams anticipated to be free of impacts such as fills or affectment? (If "Yes", go to next section; Otherwise, go to a.)	Yes
		a		How many acres is the watershed?	
		b		What are the direct impacts	Stream Crossings
	8			Comments (Please designate question #(s) being commented on)	

C				OWNERSHIP/CONTROL	GS-Mod-C (Rev. 05/22/2003)
	1			Has the permittee of record remained unchanged? (If YES, go to 2; Otherwise, go to a.)	Yes
		a		Name of new permittee	
	2			Is the permittee of record working the permit? (If YES, go to next section; otherwise go to a)	Yes
		a		Name of contract operator	
		b		Is the contract operator approved per COMAR 26.20.02.03A?	NA
	3			Comments (Please designate question #(s) being commented on)	

D				TEMPORARY CESSATION	GS-Mod-D (Rev. 03/27/2003)
	1			Are surface coal mining and reclamation operations ongoing or site reclaimed? (If YES go to next section; otherwise, go to a.)	Yes
		a		Has the operation been inactive for less than 30 days? (If YES, go to next section; otherwise, go to b.)	NA
		b		Is the operator intending to continue mining operations? (If YES, go to c.; otherwise go to 1.)	NA
			1	Date permittee submitted notice to cease or abandon mining operations	NA
		c		How long are operations to remain under temporary cessation? (Months)	
		d		Date Inactive Status approved?	
		e		Number of consecutive temporary cessations?	
		f		Date permit expires?	
		g		Does temporary cessation cease prior to the date of permit expiration?	NA
		h		Has the operator submitted for permit renewal?	NA
		i		Is the right of entry current?	NA
		j		Can the site be reclaimed today in accordance with current permit reclamation plan? (If "YES", go to "k"; otherwise go to "1")	NA
			1	Explain	
		k		Will all current disturbed areas (Other than the pit) be backfilled and resoiled during the temporary cessation? (If "NO", explain)	NA
		l		Has the operator submitted information for the need to remain in temporary cessation?	NA
		m		Has the site been deemed abandoned by MSHA?	NA
		n		Does the operator have the equipment on site capable of completing reclamation?	NA
		o		Is reclamation being conducted to allow operations to continue as planned?	NA
		p		Are there remaining coal reserves on the permit?	NA
		q		Has an adjacent area permit been submitted?	NA
		r		Are reclamation activities and water treatment continuing?	NA
	2			Comments (Please designate question #(s) being commented on)	

<i>E</i>					MINING STANDARDS: COAL RECOVERY	GS-Mod-E (Rev. 03/25/2003)
	1				Name the coal seam(s) being mined	
	2				List the number of acres that have been proposed for auger mining	
	3				List the number of acres which have been auger mined thus far	
	4				Name the coal seams which have been auger mined thus far	
	5				Comments (Please designate question #(s) being commented on)	

<i>F</i>					MINING STANDARDS: SPOIL HANDLING	GS-Mod-F (Rev. 03/25/2003)
	1				Is the overburden analysis in the permit file representative of field conditions?	Yes
	2				Is spoil being placed on the downslope in an approved manner? (If YES, go to 3.; Otherwise, go to a.)	NA
	a				List the acreage associated with downslope spoil placement	
	3				Is the spoil free of toxic material? (If YES, go to 4; otherwise go to a.)	Yes
	a				Does the approved permit include a toxic material-handling plan? (If YES, go to 4; Otherwise, go to b..)	Yes
	b				Identify the general method of handling; (blending, segregation, other)	Blending
	c				List the acreage addressed by the toxic material handling plan	
	4				Is spoil being disposed of in a normal manner? (If YES, go to 5.; Otherwise go to a.)	Yes
	a				List the acreage currently affected by each excess spoil disposal area	Excess Spoil ID
						Acreage
	5				Is the permit free of coalmine waste (i.e.; coal processing or underground development waste)? (If YES, go to next section.; Otherwise, go to a.)	Yes
	a				List the type of disposal (cells, pit placement, underground pile, slurry impoundment)	Refuse Area ID
						Acreage

G				MINING STANDARDS: DRAINAGE CONTROL TREATMENT/MONITORING/CERTIFICATION						GS-Mod-G (Rev. 03/25/2003)	
1				What are the following pre-treatment chemical properties of water on the permit?	Pond ID	PH (s.u.)	Fe (mg/l)	Mn (mg/l)	Flow (gpm)	Source	
2				Can quarterly water monitoring points be located?						Yes	
3				Are all discharges from the permit within effluent limits?						Yes	
4				Complete the following table for all discharges	Pond ID	PH (s.u.)	Fe (mg/l)	Mn (mg/l)	Flow (gpm)	Source	Watershed status?
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
											Undisturbed
						Undisturbed					
5				Comments (Please designate question #(s) being commented on)							

H				MINING STANDARDS: REMINING						GS-Mod-H (Rev. 05/22/2003)	
1				Is the permit free of previous mining? (If YES, go to 2; Otherwise, go to a.)						Yes	
	a			Does the permit include a designation of area eligible for re-mining? (If YES, go to 1; Otherwise, go to b.)						NA	
		1		How many acres are designated eligible for re-mining							
		2		Has the entire area designated as eligible for re-mining been affected by prior mining? (If YES, go to 3; Otherwise, go to a.)						NA	
		a		How many acres eligible for re-mining are not affected by prior mining							
		3		Based on permit application or site visit, identify below any on-site AML features that existed prior to current mining and reclamation that are to be eliminated on this permit. Please provide an estimate for each item below							
		a		Lineal feet of AML highwall planned for elimination							
		b		Lineal feet of AML highwall affected to date							
		c		Acres of unreclaimed AML spoil planned for reclamation							

H				MINING STANDARDS: REMINING	GS-Mod-H (Rev. 05/22/2003)
			d	Acres of unreclaimed AML spoil affected to date	
			e	Number of underground mine openings planned for elimination	
			f	Number of underground mine openings affected to date	
			g	Acres of underground mines planned for day lighting	
			h	Acres of underground mines day lighted to date	
			i	Number of dangerous structures planned for removal	
			j	Number of structures removed to date	
			k	Is the re-mined area free of pre-existing discharges? (If YES, go to 1.; Otherwise, go to 2.)	NA
			l	Describe the monitoring plan	
2				Is overall water quality being improved? (if YES, go to a; Otherwise, go to 3)	NA
	a			Quantify improvement through monitoring results from upstream and downstream and springs and well; (miles of improved streams, number of wells, number of springs improved)	
3				Identify other AML related on-site problems and corrective measures	
4				Are all reclamation activities confined to the permit area (i.e.; no AML no-cost contracts or AML direct-negotiated contracts)? (If YES, go to 5; Otherwise, go to a.)	Yes
	a			Lineal feet of AML highwall eliminated	
	b			Acreage of unreclaimed spoil reclaimed	
	c			Number of underground mine openings eliminated	
	d			Acreage of underground mines day lighted	
	e			Number of dangerous structures removed	
	f			Is water quality being improved? (if YES, go to g; Otherwise, go to h.)	NA
	g			Quantify improvement through monitoring results from upstream and downstream and springs and well; i.e. miles of improved streams, number of wells, springs improved, etc.	
	h			Identify other AML related off-site problems and corrective measures	
5				Is the permit free of AML features in or adjacent to the permit that should be eligible for remining or considered for a potential AML contract with the permittee? (If YES, go to next section; Otherwise, go to a)	Yes
	a			Please describe the features	
6				Comments (Please designate question #(s) being commented on)	

I				MINING STANDARDS: VARIANCES	GS-Mod-I (Rev. 05/22/2003)																																														
	1			Is affectment contained within the standard distance prohibitions?(If YES, go to 2.; Otherwise, go to a.)	Yes																																														
		a		<table border="1"> <thead> <tr> <th rowspan="9">Feature Affected</th> <th>Feature</th> <th>Quantified impact to the feature</th> <th>Variance Granted</th> <th>Approved or Actual Distance to Feature</th> <th>Measure to all Roads in streams (if authorized) and comments on the impacted feature</th> </tr> </thead> <tbody> <tr> <td>Streams</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cemetery</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Public Road</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Residences</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Public Buildings</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Feature Affected	Feature	Quantified impact to the feature	Variance Granted	Approved or Actual Distance to Feature	Measure to all Roads in streams (if authorized) and comments on the impacted feature	Streams					Cemetery					Public Road					Residences					Public Buildings					Other					Other					Other					
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	2			How many acres of federal lands is permitted?																																															
	3			Does affectment refrain from disturbing cultural/historical resources (If YES go to 4.; Otherwise, go to a.)	Yes																																														
	a			Has the SRA determined that identified resources must be mitigated or protected?	NA																																														

I				MINING STANDARDS: VARIANCES	GS-Mod-I (Rev. 05/22/2003)
	4			Is the permit free of valid existing rights for any prohibited mining areas? (If YES, go to 5.; Otherwise, go to a.)	Yes
		a		Please describe the VER approval	
	5			Is sufficient soil available for redistribution? (If YES, go to 6; Otherwise go to a.)	Yes
		a		Has alternate material or amendments been approved for distribution? (If YES go to b; Otherwise, go to 6.)	NA
		b		Has an analysis of substitute material been provided?	NA
		c		Describe the type of alternate material or amendment	
		d		Acres of alternate material coverage proposed for areas of no topsoil	
		e		Acres of alternate material coverage proposed for areas of insufficient topsoil quantity	
		f		Acres of alternate material coverage proposed for areas of insufficient topsoil quality	
	6			Is the permit free of jurisdictional or other identified wetlands? (If YES, go to 7.; Otherwise, go to a.)	Yes
		a		Has a wetland mitigation plan been approved by Corps Of Engineers and SRA?	NA
	7			Is the permit free of experimental practice(s)? (If YES, go to 8.; Otherwise, go to a)	Yes
		a		Please describe the experimental practices	
	8			Does the permit require that all surface drainage be directed to a pond? (If YES, go to 9; Otherwise, go to a.)	Yes
		a		How many acres are included in the drainage exemption?	
		b		What is approved as the alternative drainage control?	
	9			Is the permit free of AOC variances? (If YES, go to next section.; otherwise, go to a.)	Yes
		a		Describe alternative configuration	
		b		How many acres are approved for alternative configuration	
	10			Comments (Please designate question #(s) being commented on)	

J				MINING STANDARDS: EXPLOSIVES USE	GS-Mod-J (Rev. 03/25/2003)
	1			Is blasting prohibited?	Yes
	2			Comments (Please designate question #(s) being commented on)	

K				MINING STANDARDS: CONSTRUCTION/MAINTENANCE OF ROADS	GS-Mod-K (Rev. 03/26/2003)
	1			Linear feet of public roads permitted	
	2			Linear feet of public roads improved	
	3			Are all roads used to facilitate mining private? (If YES, go to next section.; Otherwise, go to a)	Yes
		a		Did the public road exist prior to application for permit?	NA
		b		Is the effect on the public road from mining use minor?	NA
		c		Is the public road incidentally, rather than directly, a part of the mining operation?	NA
	4			Comments (Please designate question #(s) being commented on)	

L				MINING STANDARDS: STATE INSPECTIONS	GS-Mod-L (Rev. 03/26/2003)
	1			Enter number of complete State inspections conducted in previous twelve (12) months	
	2			Enter number of partial State inspections conducted in previous twelve (12) months	

<i>L</i>		MINING STANDARDS: STATE INSPECTIONS				GS-Mod-L (Rev. 03/26/2003)		
3				Complete table from review of last three complete state inspection reports	Date of state inspection			
					Type of inspection	Complete	Complete	Complete
					Reviewed permit requirements	Yes	Yes	Yes
					Reviewed self-monitoring information	Yes	Yes	Yes
					Reviewed blasting records and plans	Yes	Yes	Yes
					Sent field samples for lab analysis of all discharges?	Yes	Yes	Yes
					Conducted field tests of all discharges	Yes	Yes	Yes
					Noted adequacy of erosion and sedimentation controls	Yes	Yes	Yes
					Noted mining activities	Yes	Yes	Yes
					Noted reclamation activities	Yes	Yes	Yes
					Identified any existing pattern of violations	Yes	Yes	Yes
					Noted contemporaneous reclamation	Yes	Yes	Yes
					Is the status of all outstanding violations included	Yes	Yes	Yes
Were descriptions of violations adequate to determine seriousness?	Yes	Yes	Yes					
4				For current inspection date, were all joint inspection violations cited?	Yes			
5				Comments (Please designate question #(s) being commented on)				

<i>M</i>		RECLAMATION STANDARDS: GENERAL				GS-Mod-M (Rev. 03/26/2003)		
1				Were innovative reclamation techniques used as described in the permit plan? (See question #5 under Permit Terms and Conditions)	NA			
2				Comments (Please designate question #(s) being commented on)				

<i>N</i>		RECLAMATION STANDARDS: BACKFILLING/GRADING				GS-Mod-N (Rev. 03/26/2003)		
1				How many landslides exist on the backfilled area? (If >0, go to a.; If 0, go to 2.)				
	a			How many acres are affected?				
2				Are all slopes on the permit less than 20 degrees?	Yes			
3				Comments (Please designate question #(s) being commented on)				

<i>O</i>		RECLAMATION STANDARDS: HYDROLOGIC QUANTITY/QUALITY/RECHARGE RESTORATION						GS-Mod-O (Rev. 03/26/2003)				
1									Have all seeps been previously identified? (If YES, fill in table below)	Yes		
2				SEEP INFORMATION	SeepID	PH (su.)	Fe (mg/l)	Mn (mg/l)	Latitude (d.ddddd)	Longitude (d.ddddd)	Flow (gpm)	Source
3					Comments (Please designate question #(s) being commented on)							

P		RECLAMATION STANDARDS: LAND USE/REVEGETATION						GS-Mod-P (Rev. 03/26/2003)	
1	LAND USE INFORMATION	Land Use Type	Acres identified in permit application	Acres Approved for post-use	Planted Species (Types)	Acres Affected	Planting rate (Actual lbs/acre or plants/acre)	Successful/ Unsuccessful/ too soon to tell?	Production Units
		Cropland							
		Pasture							
		Grazing							
		Industrial/ Commercial							
		Developed Water Resources							
		Recreation							
		Residential							
		Forest							
		Fish and Wildlife Habitat							
		Undeveloped							
		TOTAL							
2		Is the permit free of permanent structures (existing or proposed)? If YES, go to "3", otherwise go to a.)						Yes	
	a	Has the permittee demonstrated that the structures will support the post-mining land use?						NA	
b	Identify number, size, and type of structures (impoundments (acres); wetlands (acres); permanent streams (ft); intermittent streams (ft); access roads (ft); Public Rd (ft.); parking (acres); buildings (type); Other (describe)	Structure Type	Count	Total Size					
		Impoundments							
		Wetlands							
		Permanent Streams							
		Intermittent Streams							
		Access Roads							
		Public Roads							
		Parking Area							
		Building Type							
		Building Type							
		Building Type							
		Building Type							
		Building Type							
		Other							
Other									
Other									
3		Describe any innovative revegetation techniques employed							
4		Comments (Please designate question #(s) being commented on)							

Q		RECLAMATION STANDARDS: CONTEMPORANEOUS RECLAMATION						GS-Mod-Q (Rev. 03/26/2003)	
1		What is approximate acreage of approved type(s) of mining, (as applicable):							
	a	Contour							
	b	Area							
	c	Steep Slope							
	d	Auger							

<i>Q</i>				RECLAMATION STANDARDS: CONTEMPORANEOUS RECLAMATION	GS-Mod-Q (Rev. 03/26/2003)
	e			Mountaintop Removal	
	f			Other Minerals	
	g			Remining	
	h			Long Wall	
	i			Room and Pillar	
	j			Pillar Removal	
	k			Other (describe)	
2				For Contour Mining, how many feet is backfilling following the active pit?	
	a			For contour mining, how many acres of open pit are there?	
3				For Area Mining, how many acres are not backfilled?	
	a			For area mining, how many acres of open pit are there?	
4				For "Other", what does the schedule require for timing and /or distance requirements?	
5				Is a standard reclamation schedule in effect for contour or area mining? (If YES, go to 6.; Otherwise go to a.)	Yes
	a			Is the alternate schedule justified in the Permit or alternate reclamation plan?	NA
	b			Describe the alternate schedule	
6				Are all areas ready to be reclaimed currently undergoing reclamation ?(If YES or NA go to 7.; otherwise go to a.)	Yes
	a			a. Acreage affected?	
	b			b. Acreage reclaimed?	
7				If permit includes auger mining on an existing AML highwall, does the permit require complete elimination of that highwall?	Yes
8				Comments (Please designate question #(s) being commented on)	

PERFORMANCE MONITORING

Exhibit 7 – SMCRA Permitting Goals Compliance Table

COMPLIANCE WITH PERMITTING STANDARDS (YES/NO/NA) A-A = not evaluated								
PERMIT # (a)	VALID PERMIT (b)	PERMIT TERMS AND CONDITIONS MET (c)	HYDROLOGIC PLANNING (d)	BOND COVERAGE (e)	LIABILITY INSURANCE (f)	OWNERSHIP AND CONTROL (g)	TEMPORARY CESSATION (h)	BLASTING (i)
DM-84-101	YES	YES	YES	YES	YES	YES	NO	NA
DM-89-108	YES	YES	YES	YES	YES	YES	NO	NA
SC-87-118	YES	YES	YES	YES	YES	YES	NO	NA
SM-84-184	YES	YES	YES	YES	YES	YES	NO	NA
SM-84-273	YES	YES	YES	YES	YES	YES	NO	NA
SM-84-338	YES	YES	YES	YES	YES	YES	NO	NA
SM-84-367	YES	YES	YES	YES	YES	YES	YES	NA
SM-87-411	YES	YES	YES	YES	YES	YES	NO	YES
SM-89-414	YES	YES	YES	YES	YES	YES	NO	YES
SM-92-422	YES	YES	YES	YES	YES	YES	NO	NA
SM-92-423	YES	YES	YES	YES	YES	YES	NO	NA
SM-96-427	YES	YES	YES	YES	YES	YES	NO	YES
SM-97-428	YES	YES	YES	YES	YES	YES	NO	NA
SM-00-436	YES	YES	YES	YES	YES	YES	NO	YES
SM-01-437	YES	YES	YES	YES	YES	YES	NO	NA
SM-01-438	YES	YES	YES	YES	YES	YES	NO	NA
SM-01-439	YES	YES	YES	YES	YES	YES	NO	YES
SM-02-443	YES	YES	YES	YES	YES	YES	YES	NA

PERFORMANCE MONITORING

Exhibit 8 – SMCRA Mining Goals Compliance Table

COMPLIANCE WITH MINING STANDARDS (YES/NO/NA)

PERMIT # (a)	MINING WITHIN BONDED AREA (b)	MAXIMIZING COAL RECOVERY (c)	SPOIL HANDLING (d)	SOIL HANDLING AND STORAGE (e)	DRAINAGE CONTROL TREATMENT MONITORING AND CERTIFICATION (f)	VARIANCES (g)	EXPLOSIVES USE (h)	CONSTRUCTION AND MAINTENANCE OF ROADS (i)	STATE INSPECTIONS (j)	COMMENTS (k)
DM-84-101	YES	YES	YES	YES	NO	YES	NA	YES	YES	
DM-89-108	YES	YES	YES	YES	YES	YES	NA	YES	YES	
SC-87-118	YES	YES	YES	YES	YES	YES	NA	YES	YES	
SM-84-184	YES	YES	YES	YES	YES	YES	NA	YES	NO	
SM-84-273	YES	YES	YES	NO	YES	NA	NA	YES	NO	
SM-84-338	YES	YES	YES	YES	YES	YES	NA	YES	YES	
SM-84-367	YES	YES	YES	YES	YES	NA	NA	YES	YES	
SM-87-411	YES	YES	YES	YES	YES	NA	NA	YES	NO	
SM-89-414	YES	YES	YES	YES	YES	YES	NA	YES	YES	
SM-92-422	YES	YES	YES	YES	NO	YES	YES	YES	YES	
SM-92-423	YES	YES	YES	YES	NO	YES	NA	YES	YES	
SM-96-427	YES	YES	YES	YES	YES	NA	NA	YES	YES	
SM-97-428	YES	YES	YES	YES	YES	NA	NA	YES	YES	
SM-00-436	YES	YES	YES	YES	YES	NA	NA	YES	YES	
SM-01-437	YES	YES	YES	YES	YES	NA	NA	YES	NO	
SM-01-438	YES	YES	YES	YES	YES	YES	NA	YES	YES	
SM-01-439	YES	YES	YES	YES	YES	YES	YES	YES	YES	
SM-02-443	YES	YES	YES	YES	YES	YES	NA	YES	YES	

PERFORMANCE MONITORING

Exhibit 9 – SMCRA Reclamation Goals Compliance Table

COMPLIANCE WITH RECLAMATION STANDARDS (YES/NO/NA)						
PERMIT # (a)	BACKFILLING AND GRADING (b)	RESOILING (c)	REVEGETATION (d)	HYDROLOGIC QUANTITY, QUALITY, AND RECHARGE CAPACITY RESTORATION (e)	POST USE (f)	COMMENTS (g)
DM-84-101	YES	YES	YES	YES	YES	
DM-89-108	YES	YES	YES	YES	YES	
SC-87-118	YES	YES	YES	YES	YES	
SM-84-184	YES	YES	YES	YES	YES	
SM-84-273	YES	YES	YES	YES	YES	
SM-84-338	YES	YES	YES	YES	YES	
SM-84-367	YES	YES	YES	YES	YES	
SM-87-411	YES	YES	YES	YES	YES	
SM-89-414	YES	YES	YES	YES	YES	
SM-92-422	YES	YES	YES	YES	YES	
SM-92-423	YES	YES	YES	YES	YES	
SM-96-427	YES	YES	YES	YES	YES	
SM-97-428	YES	YES	YES	YES	YES	
SM-00-436	YES	YES	YES	YES	YES	
SM-01-437	YES	YES	YES	YES	YES	
SM-01-438	YES	YES	YES	YES	YES	
SM-01-439	YES	YES	YES	YES	YES	
SM-02-443	YES	YES	YES	YES	YES	