

Chapter 4

T 72 N, R 16 W, Section 23

PROBLEM AREA DESCRIPTION FORMS (PAD) - OSM 76

U.S. Department of the Interior
Office of Surface Mining Reclamation and Enforcement

**ABANDONED MINE LAND
PROBLEM AREA DESCRIPTION**

OMB NO. 1029-0087

Expires: 3/31/2007

A. Reason for Entering Information into the AML Inventory

NEW PROBLEM AREA (PA)/REVISED BOUNDARY			
1. <input type="checkbox"/> New PA; then enter	3. PA Number	IA-086	
2. State/Tribe	4. PA Name	Judge AML	
Iowa			

NEW OR REVISED PROGRAM INFORMATION			
5. Check the program area for which data is provided.			
(SGA)	<input checked="" type="checkbox"/> Pre-SMCRA Coal (P1,P2,P3) State/Tribe Program	(CSA)	<input type="checkbox"/> Coal Insolvent Surety Site Funding
(SGB)	<input type="checkbox"/> Pre-SMCRA Coal (P3 Only) State/Tribe Program	(AMA)	<input type="checkbox"/> Acid Mine Drainage Plan
(SGC)	<input type="checkbox"/> Pre-SMCRA Coal (P4) State/Tribe Program	(PVA)	<input type="checkbox"/> Other (P1,P2,P3)
(SGD)	<input type="checkbox"/> Pre-SMCRA Coal (P5) State/Tribe Program	(NCA)	<input type="checkbox"/> Non-Coal (P1,P2,P3)
(SGE)	<input type="checkbox"/> Pre-SMCRA Coal (Research--Old P4) State/Tribe Program	(NCF)	<input type="checkbox"/> Non-Coal Sec. 411(f)
(SEA)	<input type="checkbox"/> State Emergency Program	(CLA)	<input type="checkbox"/> Appalachian Clean Streams Initiative
(RUA)	<input type="checkbox"/> RAMP	(WCA)	<input type="checkbox"/> Watershed Cooperative Agreement Program
(FRA)	<input type="checkbox"/> FRP Non emergency	(ENH)	<input type="checkbox"/> Enhanced AML Rule Projects
(RMA)	<input type="checkbox"/> Remining	(SSA)	<input type="checkbox"/> 10% set aside
(CIA)	<input type="checkbox"/> Coal Interim Site Funding		

B. GENERAL INFORMATION

6. Planning Unit (PU) Number: _____	13. Congressional District: <u>3</u>
7. PU Name: _____	14. Primary Quad: <u>Avery</u>
8. Date Prepared: <u>07/19/10</u>	15. Coordinates: Latitude: ___° ___' ___" @
9. Prepared by: <u>Hilary Morris</u>	Longitude: ___° ___' ___" @
10. Telephone Number: _____	
11. County: <u>Monroe</u>	16. Type of Mining (S,U,B,P,)
12. FIPS Code: <u>135</u>	<input checked="" type="checkbox"/> Surface, (U) Underground, (B) Both, (P) Processing

C. SURFACE OWNER

17. For applicable owner(s), indicate percentage (%) of ownership, to the nearest whole number, based on acreage of affected area. Total percentage indicated must equal 100%.

(O-PV) <u>100</u> % Private	(O-BLM) _____ % Bur. of Land Mgmt.
(O-ST) _____ % State/Local Government	(O-OFS) _____ % U.S. Forest Service
(O-IN) _____ % Tribal Lands	(O-OF) _____ % Other Federal
(O-NA) _____ % National Park Service	

D. NON-COAL: TYPE OF MINERAL/ORE

18. Select (x) type(s) of previous mineral/ore mining. Identify keyword(s) and complete cost/unit information (Question 19 for P1, Question 20 for P2, or Question 21 for P3).

Bentonite	___	Gold	___	Phosphate	___	Sulphur	___
Cinnabar	___	Graphite	___	Platinum	___	Tungsten	___
Clay	___	Iron	___	Sand &	___	Uranium	___
Copper	___	Lead	___	Gravel	___	Vermiculite	___
Feldspar	___	Limestone	___	Shale	___	Zinc	___
Fluorite	___	Marble	___	Silver	___	Other	___

E. COST/UNIT INFORMATION

KEY TO KEYWORDS--PRIORITY 1 AND PRIORITY 2

Code	KEYWORD Description	WORK UNITS	
		English	Metric
CS	Clogged Streams	Miles	Kilometers
CSL	Clogged Stream Lands	Acres	Hectares
DH	Dangerous Highwalls	Feet	Meters
DI	Dangerous Impoundments	Count	Count
DPE	Dangerous Piles and Embankments	Acres	Hectares
DS	Dangerous Slides	Acres	Hectares
GHE	Gases: Hazardous/Explosive	Count	Count
UMF	Underground Mine Fires	Acres	Hectares
HEF	Hazardous Equip & Facilities	Count	Count
HWB	Hazardous Water Bodies	Count	Count
IRW	Industrial/Residential Waste	Acres	Hectares
P	Portals	Count	Count
PWAI	Polluted Water: Agricultural & Industrial	Count	Count
PWHC	Polluted Water: Human Consumption	Count	Count
S	Subsidence	Acres	Hectares
SB	Surface Burning	Acres	Hectares
VO	Vertical Openings	Count	Count

Use of Multiple Funding Resources for AML Reclamation-- Multiple resources are sometimes used to reclaim AML problems. If more than one resource is used, you must answer question 19 and/or 20 for each resource. The PAD will identify the primary funding source and all other resources should be listed separately on the same PAD (will require duplicate copies of questions 19 and/or 20).

Other resources can include, but are not limited to:

- X Other federal agencies such as the Bureau of Land Management, National Park Service, or U.S. Forest Service;
- X Other State, Tribal, or local government organization's non-OSM funding;
- X Fishing or recreation organizations;
- X Watershed/environmental organizations;
- X In-kind services provided by private companies or various organizations;
- X Other OSM funding sources, e.g., Appalachian Cleans Stream Initiative (CLA) projects may be partially funded with Acid Mine Drainage Plan (AMA) funds. These should be shown as separate funding sources.
- X Net proceeds from the sale of coal mined incidental to the AML project, e.g., if projects carried out under the February 12, 1999, "Enhancing AML Reclamation" rule generate money from the sale of coal mined incidental to the AML project, the net proceeds are applied to the project funding and are shown as a separate funding source.

Use your best judgment to allocate costs by problem type to each resource. Often these will be very rough estimates until the reclamation is completed.

E. COST/UNIT INFORMATION (Continued)

PRIORITY 1 PROBLEMS

19. Check box to indicate if this entry is **initial data** or an updated/revised **change** or an updated/revised **total**.

INITIAL DATA **UPDATED/REVISED CHANGE** **UPDATED/REVISED TOTAL** (Cannot be used for reclamation completed after March 31, 2001.)

19a. Are non-Fund resources being used?

NO__ If YES, see Chapter 2 Part E for instructions.

YES__ The information in this table must be entered into AMLIS for each non-AML Fund source.

Distribute the cost among the identified work problems by units and cost. Round units to one decimal place. Round dollar values to nearest whole dollar. Also, circle the appropriate type of measure--metric or English--used for each keyword unit. If English measure is used, AMLIS will convert it to metric.

Problem	UNFUNDED PORTION		FUNDED PORTION		COMPLETED PORTION (See note below)		
	No. Of Units English/ Metric	Estimated Cost	No. Of Units English Metric	Funded Cost	No. Of Units English Metric	Completed Cost	Completion Date- (MM/YY)
CS	Mi Km		Mi Km		Mi Km		
CSL	Ac Ha		Ac Ha		Ac Ha		
DH	Ft m		Ft m		Ft m		
DI	Ct Ct		Ct Ct		Ct Ct		
DPE	Ac Ha		Ac Ha		Ac Ha		
DS	Ac Ha		Ac Ha		Ac Ha		
GHE	Ct Ct		Ct Ct		Ct Ct		
UMF	Ac Ha		Ac Ha		Ac Ha		
HWB	Ct Ct		Ct Ct		Ct Ct		
IRW	Ac Ha		Ac Ha		Ac Ha		
P	Ct Ct		Ct Ct		Ct Ct		
PWAI	Ct Ct		Ct Ct		Ct Ct		
PWHC	Ct Ct		Ct Ct		Ct Ct		
S	Ac Ha		Ac Ha		Ac Ha		
SB	Ac Ha		Ac Ha		Ac Ha		
VO	Ct Ct		Ct Ct		Ct Ct		

Completions Note: Because a date must be associated with problems completed after March 31, 2001, it is recommended that the actual completed units and costs associated with the date be entered into AMLIS instead of the revised cumulative totals. While you may still enter revised cumulative totals, you can no longer enter cumulative values for units completed in more than one month except when entering information about units completed prior to March 31, 2001 you may enter one date for all units being entered even if they were completed on multiple dates prior to March 31, 2001 as AMLIS treats all dates on or before March 31, 2001 as March 2001.

PRIORITY 2 PROBLEMS

20. Check box to indicate if this entry is **initial data** or an updated/revised **change** or an updated/revised **total**.

INITIAL DATA **UPDATED/REVISED CHANGE** **UPDATED/REVISED TOTAL** (Cannot be used for reclamation completed after March 31, 2001.)

20a. Are non-Fund resources being used?

NO__ If YES, see Chapter 2 Part E for instructions.

YES__ The information in this table must be entered into AMLIS for each non-AML Fund source.

Distribute the cost among the identified work problems by units and cost. Round units to one decimal place. Round dollar values to nearest whole dollar. Also, circle the appropriate type of measure--metric or English--used for each keyword unit. If English measure is used, AMLIS will convert it to metric.

Problem	UNFUNDED PORTION		Estimated Cost	FUNDED PORTION		Funded Cost	COMPLETED PORTION (See Note below)		
	No. Of Units English Metric			No. Of Units English Metric			No. Of Units English Metric	Completed Cost	Completion Date (MM/YY)
CS	Mi	Km		Mi	Km		Mi	Km	
CSL	Ac	Ha		Ac	Ha		Ac	Ha	
DH	Ft	m		Ft	m		Ft	m	
DI	Ct	Ct		Ct	Ct		Ct	Ct	
DPE	Ac	Ha	22.4	Ac	Ha		Ac	Ha	
DS	Ac	Ha		Ac	Ha		Ac	Ha	
GHE	Ct	Ct		Ct	Ct		Ct	Ct	
UMF	Ac	Ha		Ac	Ha		Ac	Ha	
HEF	Ct	Ct		Ct	Ct		Ct	Ct	
HWB	Ct	Ct		Ct	Ct		Ct	Ct	
IRW	Ac	Ha		Ac	Ha		Ac	Ha	
P	Ct	Ct		Ct	Ct		Ct	Ct	
PWAI	Ct	Ct		Ct	Ct		Ct	Ct	
PWHC	Ct	Ct		Ct	Ct		Ct	Ct	
S	Ac	Ha		Ac	Ha		Ac	Ha	
SB	Ac	Ha		Ac	Ha		Ac	Ha	
VO	Ct	Ct		Ct	Ct		Ct	Ct	

Completions Note: Because a date must be associated with problems completed after March 31, 2001, it is recommended that the actual completed units and costs associated with the date be entered into AMLIS instead of the revised cumulative totals. While you may still enter revised cumulative totals, you can no longer enter cumulative values for units completed in more than one month except when entering information about units completed prior to March 31, 2001 you may enter one date for all units being entered even if

they were completed on multiple dates prior to March 31, 2001 as AMLIS treats all dates prior or before March 31, 2001 as March 2001.

E. COST/UNIT INFORMATION (Continued)

KEY TO KEYWORDS-- PRIORITY 3

KEYWORD		WORK UNITS	
Code	Description	English	Metric
SA	Spoil Area	Acre	Hectare
BE	Bench	Acre	Hectare
PI	Pits	Acre	Hectare
GO	Gobs	Acre	Hectare
SL	Slurry	Acre	Hectare
HR	Haul Road	Acre	Hectare
MO	Mine Opening	Count	Count
SP	Slump	Acre	Hectare
H	Highwall	Feet	Meter
EF	Equipment/Facility	Count	Count
DP	Industrial/Residential Waste	Acre	Hectare
WA	Water Problems	Gallons	Liter
O	Other		

Use of Multiple Resources for AML Reclamation. Multiple resources are sometimes used to reclaim AML problems. If more than one resource is used, you must answer question 21 for each source. The PAD will identify the primary funding source and all other resources should be listed separately on the same PAD.

Other resources can include, but are not limited to:

- \$ Other federal agencies such as the Bureau of Land Management, National Park Service, or U.S. Forest Service;
- \$ Other State, Tribal, or local government organization's non-OSM funding;
- \$ Fishing or recreation organizations;
- \$ Watershed/environmental organizations;
- \$ In-kind services provided by private companies or various organizations;
- \$ Other OSM funding sources;
- \$ Net proceeds from the sale of coal mined incidental to the AML project, e.g., if projects carried out under the February 12, 1999, **COST/UNIT INFORMATION** (continued)

Enhancing AML Reclamation rule generate money from the sale of coal mined incidental to the AML project, the net proceeds are applied to the project funding and are shown as a separate funding source.

Use your best judgment to allocate costs by problem type to each resource. Often these will be very rough estimates until the reclamation is completed.

PRIORITY 3 PROBLEMS

21. Check box to indicate if this entry is **initial data**, an updated/revised **change**, or an updated/revised **total**.

INITIAL DATA **UPDATED/REVISED CHANGE** **UPDATED/REVISED TOTAL** (Cannot be used for reclamation completed after March 31, 2001.)

21a. Are non-Fund resources being used.

NO__ If YES, see Chapter 2 Part E for instructions.

YES__ The information in this table must be entered into AMLIS for each non-AML Fund source.

Distribute the cost among the identified work problems by units and cost. Round units to one decimal place. Round dollar values to nearest whole dollar. Also, circle the appropriate type of measure--metric or English--used for each keyword unit. If English measure is used, AMLIS will convert it to metric.

Prob. Type	UNFUNDED PORTION		Estimated Cost	FUNDED PORTION		Funded Cost	COMPLETED PORTION (note below)		Completed Cost	Completion Date (MM/YY)
	No. of Units			No. of Units			No. of Units			
	English	Metric		English	Metric		English	Metric		
SA	Ac	Ha		Ac	Ha		Ac	Ha		
BE	Ac	Ha		Ac	Ha		Ac	Ha		
PI	Ac	Ha		Ac	Ha		Ac	Ha		
GO	Ac	Ha		Ac	Ha		Ac	Ha		
SL	Ac	Ha		Ac	Ha		Ac	Ha		
HR	Ac	Ha		Ac	Ha		Ac	Ha		
MO	Ct	Ct		Ct	Ct		Ct	Ct		
SP	Ac	Ha		Ac	Ha		Ac	Ha		
H	Ft	m		Ft	m		Ft	m		
EF	Ct	Ct		Ct	Ct		Ct	Ct		
DP	Ac	Ha		Ac	Ha		Ac	Ha		
WA	Gal	Liter		Gal	Liter		Gal	Liter		
O										

Completions Note: Because a date must be associated with problems completed after March 31, 2001, it is recommended that the actual completed units and costs associated with the date be entered into AMLIS instead of the revised cumulative totals. While you may still enter revised cumulative totals, you can no longer enter cumulative values for units completed in more than one month except when entering information about units completed prior to March 31, 2001 you may enter one date for all units being entered even if they were completed on multiple dates prior to March 31, 2001 as AMLIS treats all dates on or before March 31, 2001 as March 2001.

**KEY TO KEYWORDS-- PRIORITY 4, 5, and 411(f)
PRIORITY 4, 5 and 411(f) PROBLEMS**

Code	PROBLEM TYPE Description	WORK UNITS	
		English	Metric
P4 COAL	RCF Recreational Facilities	Count	Count
P4 COAL	CNF Conservation Facilities	Count	Count
P4 COAL	ROD Roads	Feet	Meters
P5 COAL	OSB Open Space Benefits	Acres	Hectares
P5 COAL	RCT Recreation Purpose	Acres	Hectares
P5 COAL	HST Historic Purpose	Acres	Hectares
411(f)	UTL Public Utilities	Count	Count
411(f)	STR Public (Infra) Structure	Count	Count
411(f)	ROD Roads	Feet	Meters
411(f)	RCF Recreational Facilities	Count	Count
411(f)	CNF Conservation facilities	Count	Count
411(f)	O Other	Count	Count

E. COST/UNIT INFORMATION (continued)

PRIORITY 4, 5, AND 411(f) PROBLEMS

22. Check box to indicate if this entry is **initial data**, an updated/revised **change** or an updated/revised **total**.

INITIAL DATA **UPDATED/REVISED CHANGE** **UPDATED/REVISED TOTAL** (Cannot be used for reclamation completed after March 31, 2001.)

22a. Are non-Fund resources being used.

NO__ If YES, see Chapter 2 Part E for instructions.

YES__ The information in this table must be entered into AMLIS for each non-AML Fund source. Distribute the cost among the identified work problems by units and cost. Round units to one decimal place. Round dollar values to nearest whole dollar. Also, circle the appropriate type of measure--metric or English--used for each keyword unit. If English measure is used, AMLIS will convert it to metric.

Priority	Prob. Type	No. of Units		Cost (note below)	Completion Date (MM/YY)
		English	Metric		
P4 COAL	UTL	Ct	Ct		
P4 COAL	STR	Ct	Ct		
P4 COAL	ROD	Ft	m		
P4 COAL	RCF	Ct	Ct		
P4 COAL	CNF	Ct	Ct		
P5 COAL	RCT	Ac	Ha		
P5 COAL	HST	Ac	Ha		
P5 COAL	CNP	Ac	Ha		
P5 COAL	RCM	Ac	Ha		
P5 COAL	OSB	Ac	Ha		
411(f)	UTL	Ct	Ct		
411(f)	STR	Ct	Ct		
411(f)	ROD	Ft	m		
411(f)	RCF	Ct	Ct		
411(f)	CNF	Ct	Ct		
411(f)	O				

Completions Note: Because a date must be associated with problems completed after March 31, 2001, it is recommended that the actual completed units and costs associated with the date be entered into AMLIS instead of the revised cumulative totals. While you may still enter revised cumulative totals, you can no longer enter cumulative values for units completed in more than one month except when entering information about units completed prior to March 31, 2001 you may enter one date for all units being entered even if they were completed on multiple dates prior to March 31, 2001 as AMLIS treats all dates on or before March 31, 2001 as March 2001.

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. This information is being collected in order to update the abandoned mine lands inventory system. This information will be used to ensure that the most serious problem areas are selected for reclamation through apportionment of funds to States and Tribes. The obligation to respond is required to obtain a benefit.

Public reporting burden for this form is estimated to average 2 hours per response to update the form and 4 hours for each new submission, including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, Room 210 SIB, 1951 Constitution Ave, NW, Washington, D.C. 20240.

DPE--DANGEROUS PILE OR EMBANKMENT, HEF--HAZARDOUS EQUIPMENT AND FACILITIES, HWB--HAZARDOUS WATER BODY, P--PORTAL, VO--VERTICAL OPENING

Judge
 PA NO: _____ DATE: *7/19/10* KEYWORD: *DPE* PRIORITY: *2*

I. Health and Safety Information		Yes	No
1.	Are there any AML-related unstable steep refuse piles or banks (other than landslides), wind-blown refuse fines, radio nuclides, dilapidated equipment or facilities, hazardous water bodies, easily accessible unguarded open mine entries, or unfilled vertical or steeply inclined shafts or openings posing a danger to human life, safety and health?	X	
2.	Is there any occupied structure, public use facility, improved public road, or public use park or recreational area located within 300 feet of the problem area?		X
3.	Is there any evidence of either frequent visitation or easy access road capable of carrying vehicles to the problem area?	X	

Positive answers to Question 1 and Question 2 indicate the problem can qualify to meet Priority 1 criteria with adequate justification included in the narrative description.

Positive answers to Question 1 and Question 3 indicate the problem can qualify to meet Priority 2 criteria with adequate justification included in the narrative description.

II. RECLAMATION PROBLEM DESCRIPTION (Evidence of Extreme Danger and Health and Safety Problems):

5. Narrative description of Priority 1 (Extreme Danger) problems:

Judge

PA NO:	DATE: 7/19/10	KEYWORD: DPE	PRIORITY: 2
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6. Narrative description of Priority 2 (HS&GW) problems:

large site, almost thirty acres.
majority of site is spoil piles
some are very steep and have
large cuts from where the water
runs through the site.

Landowner rents out land to
family that keeps cattle on the
site, so frequent access is necessary
to care for livestock.

John Judge AMU Site

7/13/10
9am

Hilary & Lori

Pt Picture#

6 1 - entering site, looking south

2 S

3 E / views from site

4 W /

5 N

6 outlet of
7 water

8

7 - water sample - outlet into creek

8 - pictures on nose of hill looking n & e

9 - water sample - entering site?

10 - remains of railroad ties, cable, etc. (pics, too)

11 - pond water sample (pictures)

12 - soil sample