

Los Angeles  Department of Water & Power

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*General Manager*

February 18, 2014

**Sent via Email on February 18, 2014**

C/007/0033  
#4511

Utah Division of Oil, Gas & Mining Coal Program (DOGM)  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Permit Supervisor:

Subject: Intermountain Power Agency (IPA)  
Wildcat Loadout Mining and Reclamation Plan

Attached is a revised applications to amend our DOGM Permit C/007/0033 Wildcat Loadout Mining and Reclamation Plan.

For your convenience, an electronic copy of all submittal materials have been sent to DOGM via email to [ogmcoal@utah.gov](mailto:ogmcoal@utah.gov) on February 18, 2014.

Please let us know if you have any comments once your staff has had the opportunity to review the enclosed information.

If you have any comments or questions, please contact me at (801) 748-1471.

Sincerely,



Lance C. Lee  
Project Manager  
Intermountain Power Project

cc: James A. Hewlett (via email)  
Intermountain Power Agency  
Minh T. Le (via email)  
William W. Engels (via email)

**Los Angeles Aqueduct Centennial Celebrating 100 Years of Water 1913-2013**

111 N. Hope Street, Los Angeles, California 90012-2607 Mailing address: Box 51111, Los Angeles, CA 90051-5700  
Telephone: (213) 367-4211 [www.LADWP.com](http://www.LADWP.com)

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

Permittee: Intermountain Power Agency (IPA)

Mine: \_\_\_\_\_

Permit Number: ACT 007/0033

Title: Office Trailer Addition

Description, Include reason for application and timing required to implement:

Office Trailer added to west side of the facility

**Instructions:** If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

Explain: \_\_\_\_\_

- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- Yes  No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

**Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you.** (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

JANISSA HEWLETT Gen. Mgr. 2-18-14 JANISSA HEWLETT  
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 18<sup>th</sup> day of February, 2014

Notary Public: MICHELLE R. MILLER, state of Utah.

My commission Expires: 8/30/2015

Commission Number: 613249

Address: 10653 S. Riverfront Parkway Suite 100 SS:

City: So. Jordan State: Ut. Zip: 84095



**For Office Use Only:**

Assigned Tracking Number:

Received by Oil, Gas & Mining



## Crusher Building

Motor controls, switchgear, and associated electrical controls for crusher, screen, Conv "T" drive, reclaim vent fan, scale, magnet, metal detector, water pump, and area lighting

## Stacker Area (Control Room Located On Transfer Structure)

Motor controls, switchgear, and associated electrical controls for Conv "Y" drive, conveyor "S" drive, stacker propelling drive, water pump, office building, mobile equipment servicing station and area lighting

Reclaim Area (Control Room Located Near Tunnel Exit On West Side of Conv "R") Motor controls, switchgear, and associated electrical controls for Conv "RT" drive, all storage pile activators, hydraulic power pack drives (for gate actuation), reclaim sensor scale, gate position feedback controls, methane monitors, and area lighting (including reclaim tunnel)

## Loadout Area (Electrical Controls Located In Operators Control Room)

Motor controls, switchgear, and associated electrical controls for Conv "R" drive (4,160 V), batch weighing system, sampling system, car spotter, and area lighting

## Electrical Class

All motors, starters, switchgear, and controls can be Class II, Div. II, even in the reclaim tunnel. However, 2 each methane monitors are to be installed in the reclaim tunnel and 1 each in the truck dump which will deactivate all electrics in the tunnel if methane is detected. Lighting in the tunnels must meet Class I, Div. I requirements.

## Office Trailer

A 40'x10' office and change room trailer will be placed on the west side of the facility. See Plate 1

## Water

### Tanks

2 ea., 10,000 gal., treated for culinary, 35 hp centrifugal pump, enclosed tankside pump houses

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### Tank Location

- At crusher building to serve crusher building and truck dump
- At office building (culinary usage)

## Area of Operations

## Proposed Permit Area

The proposed permit area is located within BLM right-of-way U-48027 and is shown on Plates 1 and 1A.

## Surface Area to be Disturbed

The permit area has been previously impacted by mining and loading. The entire permit area at Wildcat has been used for loading and coal storage previously. The total existing surface area disturbed is 75.67 acres excluding the ASCA Areas and Utah Railway Tracks. Facilities are indicated on Plate 1.

The disturbed area boundary has been modified to include additional area to the east of the main stockpile (radial stacker) in order to accommodate the cleanup of wind-blown fines as required by Division Order DO-04. Additional details regarding this cleanup plan can be found in Appendix P.

## Life of Project

The life of the project has been estimated at 30 years.

## Schedule of Construction, Mine Development, Mining, and Reclamation

All surface facilities have been constructed for the Wildcat Loadout, Reclamation efforts, including, but not limited to, backfilling, grading, topsoil replacement, and revegetation, of all land that is disturbed by surface operations shall occur as contemporaneously as practicable with mining operations. Upon the conclusion of loading activities, the scheduled reclamation phase will begin immediately. Please refer to Part F of this Chapter re Reclamation.

## Cessation of Operations

### Temporary

| IPA will inform the division if it intends to cease operations for a period of more than thirty days. This notice will include information on any activities which may continue while the facility is not in use (water monitoring, etc.).

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### Permanent

| Upon permanent cessation of operations, IPA will reclaim all affected areas according to its' approved MRP and return the land to its' pre-mining conditions.

## Wildcat Operations

## Exploration and Development Drill Sites

Shallow holes for bedrock determination were drilled for foundation studies. Please see Appendix C.

### Blasting

No blasting will occur at this facility.

### Water Supply

Water is trucked into the facility by a local contractor and stored in 2 - 10,000 gallon storage tanks. One tank is used to supply culinary water to the bathhouse facilities and the other tank provides water for dust suppression for the preparation and loading operations.

There is no on-site development of surface or underground water for this facility. There are no wells.

### Power Supply and Communication Facilities

Power and communications were pre-existing at this location. Andalex tapped the 46 KV powerline serving Beaver Creek Coal Company's mines and via an onsite substation, distributing 4160, 440, 220, and 110 V lines throughout the facility.

### Landscaping

All disturbed areas are relatively flat, and vegetative cover has been promptly re-established to stabilize erosion.

### Signs, Markers, Fences, and Gates

Signs of a uniform design, showing the company name, business address, and telephone number as well as the identification number of the current regulatory program permit authorizing the underground mining activities, have been placed at all access points to the permit area. These signs have been placed to be easily seen, are made of a durable material, and conform to local laws and regulations. The topsoil storage area is clearly marked.

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expensive. The following is a list of structures which will be brought down and removed either complete or as scrap/salvage.

1. 14 x 60 Scale House Trailer
2. Truck Scales
3. Substation
4. Truck Dump (west side)\*
5. Crushing Plant (west side)\*
6. Radial Stacker (west side)\*
7. Reclaim Tunnel (west side)
8. Loadout Conveyor (west side)\*
9. Control Building (west side)
10. Truck Dump & Reclaim (2 each)
11. Conveyor T
12. Crusher and Screening Plant
13. Lump Coal Belt
14. Stoker Radial Stacker
15. Conveyor Y, Y-1

16. Main Radial Stacker (2 each)
17. Loadout Reclaim Tunnel, port supports,
18. Conveyor R
19. Loadout Tower
20. Miscellaneous (Guard Rails, Office,  
Water Tanks, Motor Control Centers)
21. Powerline
22. 40' x 40' Shop Building and foundation  
\* Portable
23. 40' x 10' Office Trailer

The next step will be to remove any coal remaining on the various storage areas. This will not amount to a large volume of material and it will either be hauled to an approved storage area off-site or it will be disposed of within the loadout permit area by burial. This will include the coal refuse pile currently stored at Wildcat. The refuse pile will be flattened and buried according to the reclamation plan regarding coal mine refuse.

Once the coal has been removed, then the recontouring and regrading portion will commence. It is anticipated that the structure removal will take approximately one year to complete so at this point, we would be into the reclamation about thirteen months. The first step in the recontouring and regrading would be the removal of the culverts. They have been left in until this point so the disturbed area would drain properly. The recontouring would primarily involve the primary and secondary roads, the loadout pad, and the coal stockpile areas. The undisturbed diversion west of the facility would become permanent at this point and would be capable of

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as established by the Division. (See Appendix B) This bond is based on detailed calculations provided by the Division. A copy of the calculations are also included in Appendix B.

#### Wildcat Loadout Facility

Restoration to the pre-mining land use will require:

#### PHASE I:

##### A. Removal of Structures:

1. 14 x 60 Scale House Trailer and  
Truck Scales
2. Substation
3. Truck Dump (west side)
4. Crushing Plant (west side)\*
5. Radial Stacker (west side)\*
6. Reclaim Tunnel (west side)

7. Loadout Conveyor (west side)\*
  8. Control Building (west side)
  9. Truck Dump & Reclaim
  10. Conveyor T
  11. Crusher and Screening Plant
  12. Lump Coal Belt
  13. Stoker Radial Stacker
  14. Conveyor Y
  15. Main Radial Stacker
  16. Loadout Reclaim Tunnel, port supports,
  17. Conveyor R
  18. Loadout Tower
  19. Miscellaneous (Guard Rails, Office,  
Water and Mag. Tanks, Motor Control Centers)
  20. Powerline
  21. 40" x 40" Shop
  22. 40' 10' Office Trailer
- Total
- \* Portable

B. Cleanup Coal Piles:

1. Radial Stacker
2. Stoker, Lump
3. Mine Run and Lump
4. West Side Stoker
5. West Side Storage Pad

C. Recontouring and Regrading:

Wildcat Loadout C/007/033

Bond Amount

Rev. January 2014

Direct Costs

Subtotal Demolition and Grading	\$174,640
Subtotal Backfilling and Grading	\$304,438
Subtotal Revegetation	<u>\$270,936</u>
Subtotal Direct Costs	<u>\$750,014</u>

Indirect Costs

Mob/Demob	\$75,001	10.0%
Contingency	\$37,501	5.0%
Engineering Redesign	\$18,750	2.5%
Main Office Expense	\$51,001	6.8%
Project Management Fee	<u>\$18,750</u>	2.5%
Subtotal Indirect Costs	<u>\$201,004</u>	26.8%

Total Cost \$951,017

Escalation Factor		0.015
Number of Years		5
Escalation	<u>\$73,498</u>	

Reclamation Cost. \$1,024,515

Bond Amount (round to nearest \$1,000)  
in 2019 dollars \$1,025,000

Cost Factors

Means Number	Material	Unit Cost	Units
02 41 16.13 0100	Mixture of types, average		0.3 CF
Concrete Demo1	Concrete Demolition		10.22 CY
31 23 16.42 1600	Front End Loader 3 CY		1.32 CY
31 23 23.30 0320	12 Cy (16 Ton) dump Truck 1/2 mi. rod. Trip		7.48 CY
02 41 16.17 4200	On Site Disposal		8.65 CY
City Sanitation Price	City Sanitation		2 CY
02 41 16.13 0012	Steel Bld. Large		0.27 CY
	Utility Pole		196 EA
02 41 13.33 0800	Guard Rail		12.13 LF
02 41 13.60 1700	Chain link, posts & fabric remove only		2.98 LF
23 05 05.10 3600	Mechanical equipment heavy		765 Ton
31 23 16.42 0260	Backhoe, hydraulic Bulk Bank Measure		1.42 CY
31 23 16.13 3080	Backfill trench Minimal Haul 2 1/4 CY		1.77 CY
02 65 10.30 0120	6000 gal. to 8000 gal.tank		865 EA
02 65 10.30 1026	6000 gal. to 8000 gal.tank		880 EA
02 65 10.30 0130	9000 gal. to 12000 gal. tank		1295 EA
02 65 10.30 1029	9000 gal. to 12000 gal. tank		1050 EA
Reveg005			23.56 MSF
C007/0331			1380.73 AC
Reveg007			66.24 Ton
01 54 33 4360	D9R Semi-U EROPS (9-25) (2H2007)	19900.00	
01 54 33 4360	Hourly Cost	136.65	
01 54 33 4870	988 G EROPS (9-35) (2nd2007) 2005	21900.00	
01 54 33 4870	Hourly Cost	155.75	
01 54 33 3600	627 G Scraper	25600.00	
01 54 33 3600	Hourly Cost	237.10	
01 54 33 6950	6,000 Gal H2O Truck Diesel	7000.00	
01 54 33 6950	Hourly Cost	89.80	
01 54 33 7200	Pick-up Truck 4x4 1 Ton	660.00	
01 54 33 7200	Hourly Cost	15.55	
	Forman Average Outside	38.65	
	Labor	36.65	
	Heavy Equip. Operator (Heavy)	48.90	
	Heavy Equip. Operator (Med)	48.90	

Loading Bin 01	1069
Scales 02	6710
Substation 03	3506
Truck Dump West 04	2916
Crushing Plant West 05	954
Radial Stacker West 06	3168
Reclaim Tunnel West 07	7022
Loadout Conveyor West 08	1382
Control Building West 09	1164
Truck Dump Reclaim 10	3240
Conveyor 11	1332
Crusher Screen Plant 12	9305
Lump Coal Belt 13	373
Stoker radial Stacker 14	2930
Conveyor 15	2844
Main Radial Stacker 16	17139
Loadout Reclaim 17	11520
Loadout Tower 18	25768
Office 19	4809
Powerline 20	4900
Shop 21	10692
Guardrail 22	12130
Culverts 23	1967
Miscellaneous 24	6175
Truck Dump New 25	3240
Conveyor New 26	1188
Radial Stacker 27	16436
Conveyor 28	10759
Office Trailer 29	<u>To be sold</u>
	174640



























































T13S, R9E, SEC. 33  
T14S, R9E, SEC. 34

BLM RIGHT-OF-WAY (U-48027)



- LEGEND**
- - - - - EXISTING BLM RIGHT OF WAY (U-48027)
  - - - - - DOGM PERMIT BOUNDARY
  - - - - - EXISTING DISTURBED AREA BOUNDARY (66.91 ACRES)
  - - - - - AES OIL LOADING TERMINAL

CONTOUR INTERVAL - 2'  
PHOTOGRAPHY DATE: 10/22/2006

INTERMOUNTAIN POWER AGENCY	
WILDCAT LOADOUT EXISTING SURFACE FACILITY MAP	
REVISION NUMBER: 5	SCALE: 1" = 150'
DATE: JULY 2010	PLATE 1