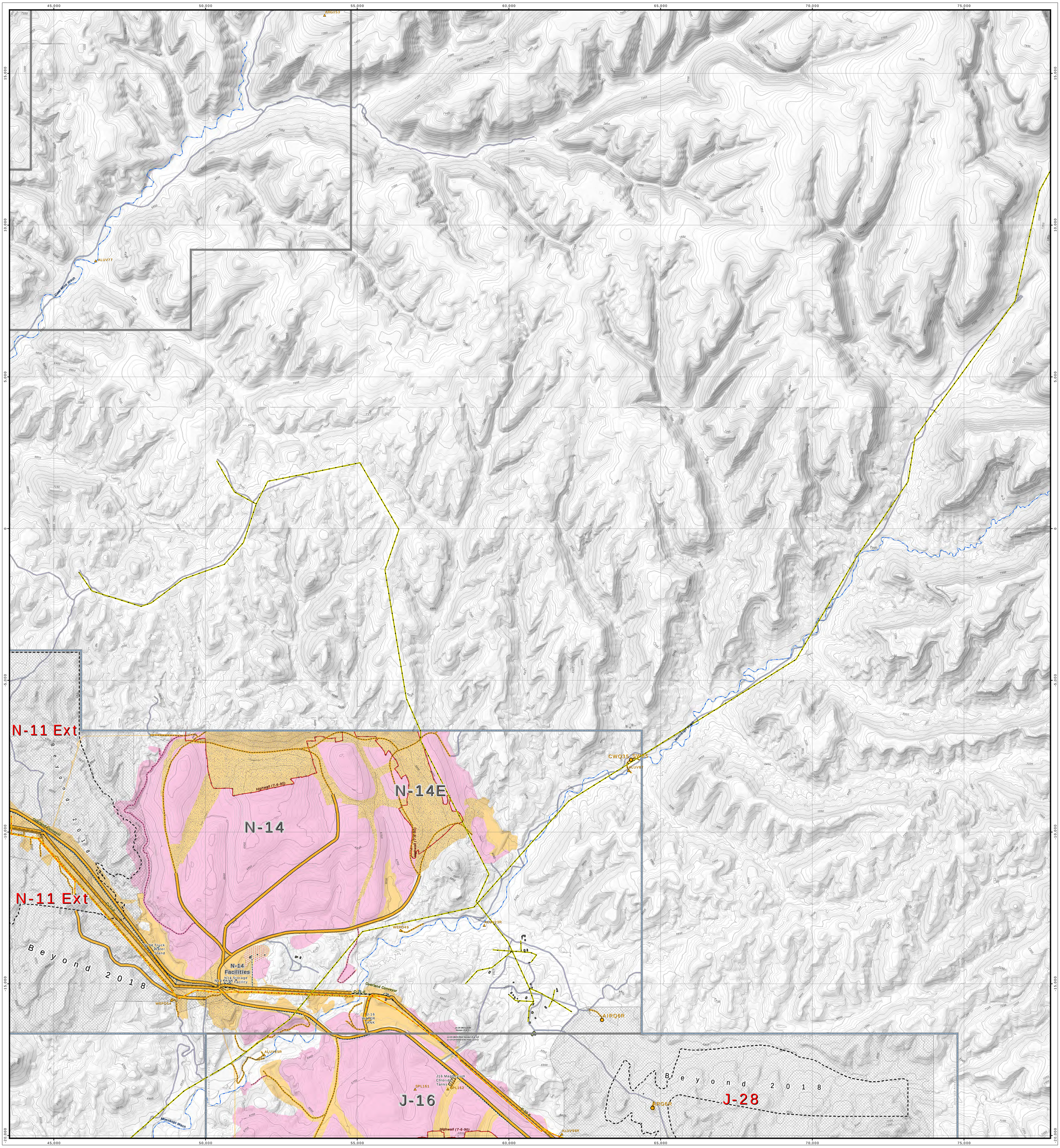


ENGINEER'S CERTIFICATION

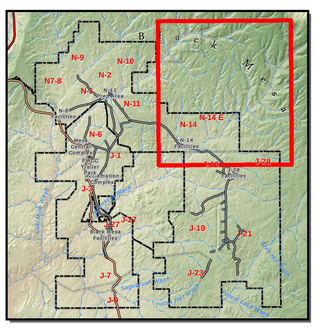
James G. Schlenvogt — Date

Engineering Manager

Peabody Western Coal Company

MAP REVISIONS

CHK'D	DATE	DESCRIPTION
JGS/GW	03-21-2007	Feature Revisions / Software Upgrade
JGS/GW	12-21-2007	Mine Wide Feature Update
JGS	04-25-2008	Airport Revisions
JGS	06-17-2008	OSM Response
JGS	06-27-2008	LOM Mine Plan Update
JGS	11-06-2008	OSM Response (Bonding)
JGS	12-17-2009	Support Facilities and Mineplan Sequence Revision
GW	3-3-2010	Permit Boundary
JGS	4-29-2011	J-21 Bypass Road and Powerline Extension
JGS	8-5-2011	N-8 Bypass Road
JGS	10-3-2011	HRC/N-6 Powerline
JGS	12-19-2011	J-19 ByPass Powerline Revision
JGS	2-8-2012	Pond Construction Support Facilities
JGS	2-24-2012	LOM Mineplan Update



Notes:

A. This drawing identifies those areas within the AZ-0001E permit boundary where various reclamation standards apply. Additionally, the drawing indicates the orientation and direction of mining pits and the boundaries of dragline stripping areas and associated disturbance for the current five-year permit term.

B. The permit reference index can be found in Volume 11, Chapter 25, Table 1. In addition, identification of individual mining-related sites may be found on the following drawings:

85210	Mine Plan Map
85352	Estimated PMT Map
85400	Drainage Area and Facilities Map
85405	Sediment and Water Control Structures Map
85445	Permanent Roads Map
85460-85490	Mine Facilities Map
85600 & 93500	Environmental Monitoring Maps
89800	Bonding Map

C. Due to the large aerial extent of the Kayenta Complex, relatively small or narrow linear disturbance sites (e.g., environmental monitoring sites, sedimentation ponds, topsoil stockpiles, utility lines, conveyors, roads, etc.) are assumed to include the disturbance created during the construction and/or reclamation of these sites. For purposes of this map only, the approximate center or centerline of the disturbance area is shown.

Powerlines
- PWCC
- Non-PWCC

Environmental Quality Monitoring Sites
- Major
- Minor
- Surface
- Underground

Mine Plan and Pit Data
- Mine Plan Blocks (2012-2013)
- Mine Plan Blocks (2013-2018)
- Future Coal Removal Area (Beyond 2018)
- Coal Resource Area
- Highwall (7/6/1990)
- Pit Advance Direction

Protected and Other Areas
- TCP Site
- Protection Buffer
- Non-PWCC Buildings and Structures

Stockpiles and Scoria Pits
- Coal Stockpile
- Scoria Pit

Coal Transport and Mine Facilities
- PWCC Conveyor
- SRP/NGS Railroad
- PWCC Structures and Facilities
- Explosives Storage Facility

Water Features
- Sewage Facility
- PWCC Water Line
- Navajo Water Well
- Major Drainage

Administrative Boundaries
- PWCC Lease Line
- 1E Permit Boundary
- Navajo-Hopi Partition Line

Roads

	Permit 01	Permit 1E
Primary		
Ancillary		
Ramp		

- US 160 & SR 564
- Navajo Rt 41
- Non-PWCC Road

Jurisdictional Permit and Affected Lands Categories
- Termination of Jurisdiction (interim release)
- Pre-Law (before December 16, 1977)
- Interim Program Only (12-16-77 through 2-1-82), Affected Lands
- Interim Program Permit AZ-0001 (2-1-82 to 7-6-90), Affected Lands - Kayenta Mine (2-1-82 to Present), Affected Lands - Black Mesa Mine
- Permanent Permit AZ-0002A (12-28-84 to 7-6-90) Affected Lands
- Permanent Permit AZ-0001E (Present to 12-31-2018 Affected Lands)
- Approved Phase I Release
- Approved Phase II Release
- Beyond 2018
- Dragline Stripping Area (line indicates orientation of pit only)

(1) Defines Area in which Disturbance other than Dragline Overburden Removal may Occur.

(2) Defines Area in which Dragline Overburden Removal is Restricted for the Purpose of Recovering Coal.

Jurisdictional Permit and Affected Lands Map Drawing #85360

Northeast Sheet

Produced by PWCC GIS

Friday, February 24, 2012

File Path: T:\Projects\Permit\JPM 85360\Maps\JPM 1000 LOM.mxd

1 Inch = 1000 Feet

10 foot interval
Indexes at 50 feet

PEABODY WESTERN GIS

Kayenta Complex

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Map Design by Deepsouthwest Enterprises