

SECTION 2

OPERATION AND PERMIT DESCRIPTION

TABLE OF CONTENTS

SECTION	SECTION TITLE	PAGE NUMBER
2	Operation and Permit Description	2-1
2.1	Permit Area Description	2-1
2.1.1	Incidental Boundary Revision (IBR)	2-1
2.2	Permitting During the Life of the Operation	2-1
2.3	Socioeconomic Impact Assessment.....	2-1
2.3.1	The Navajo Mine Workforce.....	2-1
2.3.2	Navajo Mine Estimates on Revenues and Services	2-1
2.3.3	Employment of Native Americans	2-2

SECTION 2

OPERATION AND PERMIT DESCRIPTION

LIST OF TABLES

TABLE

NUMBER TABLE TITLE

2-1	Navajo Mine Workforce by Class
2-2	Navajo Mine Employee Residence by Vicinity

SECTION 2

OPERATION AND PERMIT DESCRIPTION

LIST OF EXHIBITS

EXHIBIT NUMBER	EXHIBIT TITLE
<u>2-1</u>	Area 2 Permit Term Disturbance Schedule
<u>2-2</u>	Area 3 and 4 North Permit Term Disturbance Schedules

SECTION 2

OPERATION AND PERMIT DESCRIPTION

LIST OF REVISIONS DURING PERMIT TERM

REV. NUMBER	REVISION DESCRIPTION	DATE APPROVED
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2 OPERATION AND PERMIT DESCRIPTION

2.1 Permit Area Description

2.1.1 Incidental Boundary Revision (IBR)

The IBR appends an additional 106 acres contiguous with the permit boundary along the east boundary of the Lowe and Dixon pits in Area 3 as shown in Exhibit 6-2, Sheet 2 of 2. The IBR area will be used for power lines and access roads, and to facilitate activities ancillary to mining and reclamation. The IBR area will not be used for any new major facilities such as preparation plants or coal mine waste disposal areas. The IBR area will not increase the size of the area from which coal will be removed beyond the existing permit boundary in accordance with the current Resource Recovery and Protection Plan (R2P2).

2.2 Permitting During the Life of the Operation

The permit term is 5 years. Each phase of mining and reclamation and its corresponding acreage for each pit through the permit is presented on an annual basis for the first five years and in five year increments for the remaining mine life. See [Exhibit 2-1](#) and [Exhibit 2-2](#) (Permit Term Disturbance Schedule) for location of Permit Area.

2.3 Socioeconomic Impact Assessment

The Navajo Mine began operation in 1963 and achieved its current production level by 1971. The mine has been an integral part of the economy and society of San Juan County, New Mexico and the Navajo Nation for more than thirty years.

2.3.1 The Navajo Mine Workforce

As of December 2003, there were 329 (247 hourly, 76 salary, and 6 NMOS salary) employees, of whom 87 percent were American Indians. Employment is expected to fluctuate no more than 10 percent from this level throughout the life of the mine. However, it is not possible to accurately estimate when fluctuations in the size of the workforce might occur.

The Navajo Mine workforce is broken down into classes as shown in [Table 2-1](#). Employees of the Navajo Mine live primarily in San Juan County, New Mexico and commute to work in private vehicles. [Table 2-2](#) shows where Navajo Mine employees reside in the vicinity. Wages and salaries paid to mine employees will average about \$18,000,000 per year (1985 dollars) for the life of the mine.

2.3.2 Navajo Mine Estimates on Revenues and Services

Per Capita income of San Juan County residents in 2000 was \$18,128 for a population of 113,801 (US Census Bureau). Average annual salary per job in San Juan County during the same time was \$27,473. In 2000 the total employed labor force in San Juan County was 45,380 with an unemployment rate of 7.1%.

The total payroll based upon Navajo Mine employment for 2003 at 329 employees generated approximately \$24,244,130, or approximately 1.1 percent of the total (2000) revenues contributed.

Since Navajo Mine was started in 1963, services provided by local towns have not fluctuated much. As noted in the 1985 La Plata Mine Environmental Impact Statement (EIS; OSM 1985), housing will keep up with demand, all four school districts are at or near capacity, health care is adequate, although rural areas are "underserved", particularly in ambulance and emergency treatment, outdoor recreational is abundant, road improvements are lacking, and water supplies are adequate.

2.3.3 Employment of Native Americans

Article 11 of the mining lease between NTEC (formerly BHP Navajo Coal Company, Utah Mining and Construction Company, and Utah International Inc. (UII)) and the Navajo Nation, dated July 26, 1957, states:

"Lessee agrees to employ Navajo Indians when available in all positions for which they are qualified in the judgment of the lessee, and to pay prevailing wages to such Navajo employees, and to utilize services of Navajo contractors whenever feasible in the judgment of the lessee. Lessee agrees to make special efforts to work Indians, giving priority to qualified members of the Navajo Tribe, into skilled, technical and other higher jobs in connection with lessee's operations under this lease".

References

Office of Surface Mining. 1985. Final Environmental Impact Statement. Proposed Mining Plan and Transportation Corridor Plan, La Plata Mine, San Juan County, New Mexico. (OSM EIS-17). September.

Table 2-1 Navajo Mine Workforce by Class

Position	Number
Management	37
Professional	30
Technical	8
Clerical	7
Skilled	120
Semi-skilled	105
Warehouse	15
Total	7
	329

Table 2-2 Navajo Mine Employee Residence by Vicinity

State	City	Total Percent
AZ	Kayenta	0.3%
	Red Valley	0.3%
	Rock Point	0.3%
	Teec Nos Pos	0.3%
AZ Total		1.2%
NM	Aztec	0.9%
	Bloomfield	4.3%
	Crownpoint	0.3%
	Farmington	26.4%
	Flora Vista	1.8%
	Fruitland	21.0%
	Kirtland	24.0%
	La Plata	0.3%
	Newcomb	0.6%
	Prewitt	0.3%
	Sanostee	0.6%
	Sheepspring	0.3%
	Shiprock	11.6%
	Tohatchi	0.6%
	Vanderwagon	0.3%
Waterflow	5.2%	
Yah-Ta-Hey	0.3%	
NM Total		98.8%



Topography Revised By
Aero-Graphics, Inc.
40 West Oakland Avenue
Salt Lake City, Utah 84115

LEGEND

- PAVED ROAD
- DIRT ROAD
- HAUL ROAD
- TRAIL
- BUILDING
- FENCE
- IRRIGATION LINE
- CULVERT
- DAM
- DRAINAGE
- RAILROAD
- TREES
- POWERLINE
- SPOT ELEVATION
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- HORIZ. 6 VERT. CONTROL
- LEASE CORNER
- PERMIT/LEASE BOUNDARY

YEAR 1 COMMENCES SEPT. 1, 2009

1000 0 1000 2000
CONTOUR INTERVAL: 10'

"NOTE"
ADDITIONAL MINE STRUCTURES, INCLUDING ROADS, RAILROAD, PONDS, ENCLOSURES AND CULVERTS, ALTHOUGH PRESENT ON THIS EXHIBIT AS PART OF AERIAL BASE MAPPING, ARE NOT INTENDED TO BE CURRENT OR ACCURATE ON THIS EXHIBIT. PLEASE REFER TO THE APPROPRIATE P.A.P. TEXT SECTION FOR A MINE STRUCTURE EXHIBIT REFERENCE.

NO.	DATE	DRAWN BY	REVISION DESCRIPTION	ENR	E.G.	PC
01-4	1-21-11	PJF	POSTED NEW PLAN CORNER FOR HOSTEEN-YAZZIE, OVERLOOK AND SUBMITTED TO OSM FOR REVIEW	REV	OS	REV
02-1	02-01-09	PJF	REVISED FOR NEW PERMITS AND SUBMITTED TO OSM FOR REVIEW	REV	OS	REV
N	3-06-07	PJF	UPDATED PERMITS PLANNED STRIP TONNAGE AND SUBMITTED TO OSM FOR REVIEW	SS	MC	KB
N	8-08-08	PJF	UPDATED PERMITS PLANNED STRIP TONNAGE AND SUBMITTED TO OSM FOR REVIEW	SH	KJ	LR
L	2-27-08	PJF	Updated Permit Strip 01 thru 40, 41 thru 45 and submitted to OSM for Review	SH	KJ	LR
K	10-19-04	PJF	Updated Permit in Table 02, strip 12-01 thru 12-05 and submitted to OSM for Review	OSM	MC	LR
JR	10-19-04	PJF	Updated Permit in Table 02, strip 12-06 thru 12-10 and submitted to OSM for Review	OSM	MC	LR
JK	10-19-04	PJF	Updated Permit in Table 02, strip 12-11 thru 12-15 and submitted to OSM for Review	OSM	MC	LR
J	4-15-04	PJF	Permit Renewal submitted to OSM for Review	OSM	MC	LR
H	3-04-04	PJF	Extended Strip 47 to 50 on the south end and submitted to OSM for Review	OSM	MC	LR
G	8-10-03	PJF	Updated Strip 46 and submitted to OSM for Review	OSM	MC	LR
F	8-10-03	PJF	Updated Strip 45 and submitted to OSM for Review and Approval	OSM	MC	LR
E	3-20-03	PJF	Permit Renewal submitted to OSM for Review and Approval	OSM	MC	LR
D	1-29-03	PJF	Added new 14 strip permit layout and updated strip layout years in AREA-111	OSM	MC	LR
C	8-11-98	PJF	Added Strip 14 in SOUTH OF LOWE DAM-4	OSM	MC	LR
B	7-15-98	PJF	Strip Layout Changes	OSM	MC	LR
A	7-15-98	PJF	Permit Renewal submitted to OSM for Review and Approval	OSM	MC	LR

CERTIFICATION STATEMENT
I, Ron G. Van Valkenburg hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

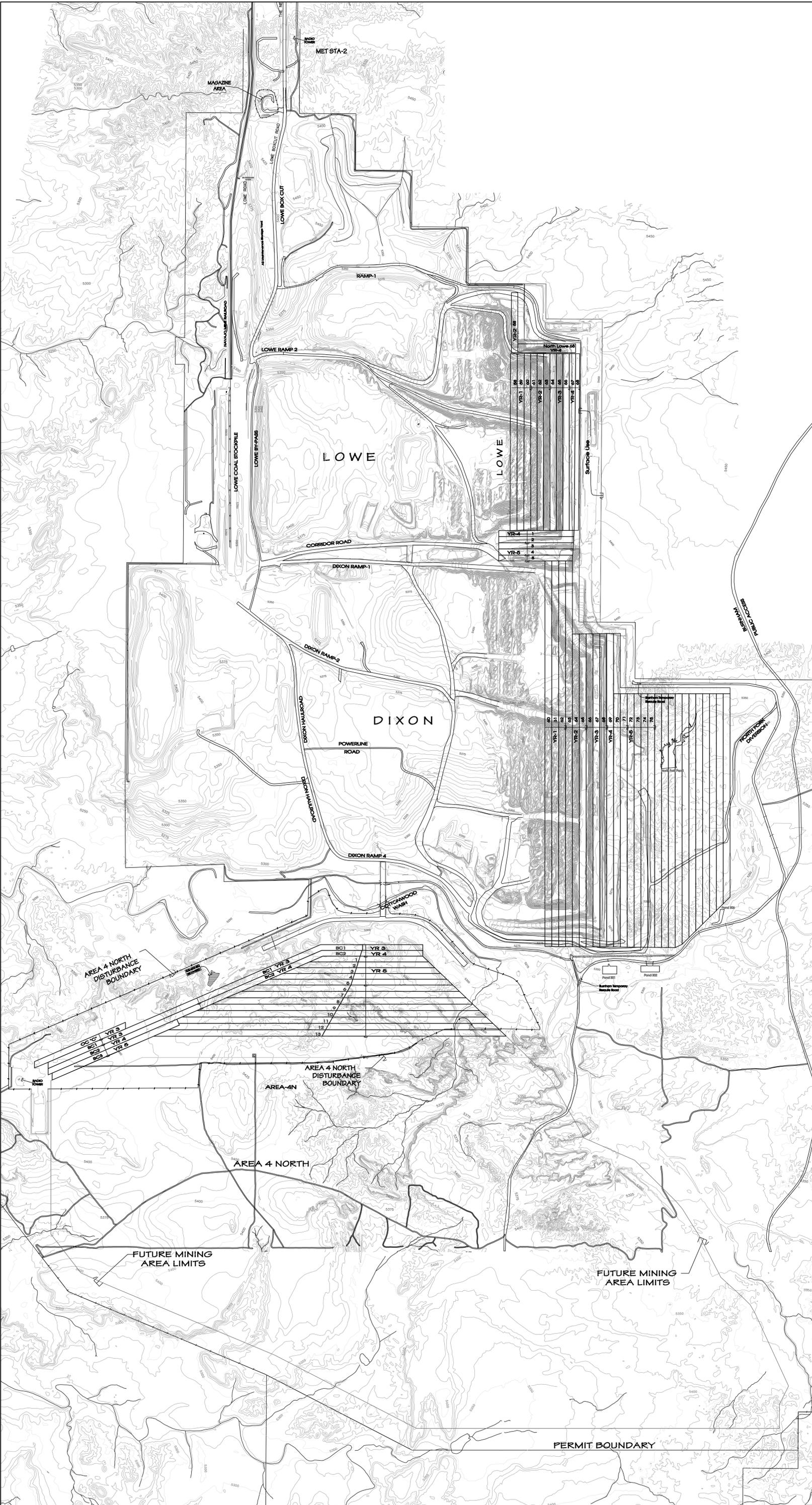
EXHIBIT 2-1

bhpbilliton

BHP Navajo Coal Company
P.O. Box 1717 Fruitland, New Mexico, 87416 Phone: 505-598-4200 Fax: 505-568-3361

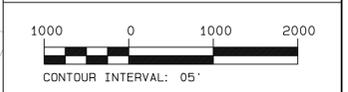
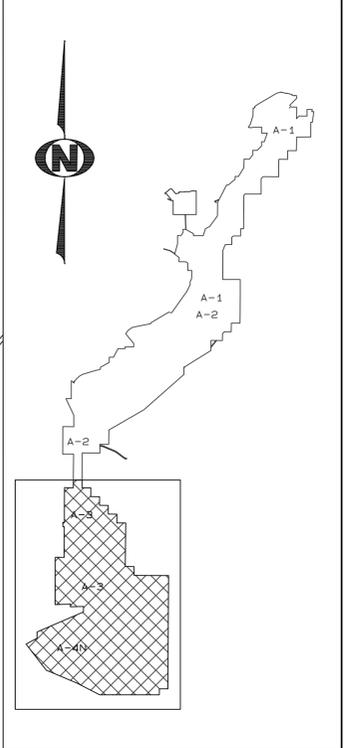
AREA-2 PERMIT TERM DISTURBANCE SCHEDULES

PREPARED BY: BSC/RC/FTJ DRAWN BY: PJF SCALE: 1" = 1000'
APPROVED BY: DATE: June 03, 1998



LEGEND

	PAVED ROAD
	DIRT ROAD
	HAUL ROAD
	TRAIL
	BUILDING
	FENCE
	IRRIGATION LINE
	CULVERT
	DAM
	DRAINAGE
	RAILROAD
	TREES
	POWERLINE
	SPOT ELEVATION
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	HORIZ. & VERT. CONTROL
	LEASE CORNER
	PERMIT/LEASE BOUNDARY



"NOTE"
 ADDITIONAL MINE STRUCTURES, INCLUDING ROADS, RAILROADS, PONDS, IMPROVEMENTS AND CULVERTS, ALTHOUGH PRESENT IN THIS EXHIBIT AS PART OF THE AERIAL BASE MAPPING, ARE NOT INTENDED TO BE CURRENT OR ACCURATE ON THIS EXHIBIT. PLEASE REFER TO THE APPROPRIATE P.A.P. TEXT SECTION FOR A MINE STRUCTURE EXHIBIT.

YEAR 1 COMMENCES SEPT. 1, 2009

NO.	DATE	BY	REVISION DESCRIPTION	CHK.	E.L.	PR.	APPROVAL
1	08-08-09	AE	ADDED NEW PLAN CHANGES FOR STRIP 02 IN AREA 4	AE	IN	AE	
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CERTIFICATION STATEMENT
 I, Andy Erickson, hereby certify that this drawing was reviewed by me and that the information shown is complete and accurate to the best of my knowledge.

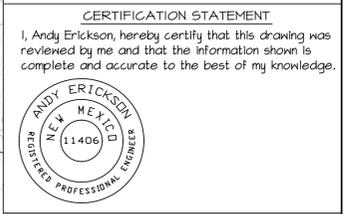


EXHIBIT 2-2



BHP Navajo Coal Company
 P.O. Box 1717 Fruitland, New Mexico, 87416 Phone: 505-596-4200 Fax: 505-568-3361

AREA 3 and 4 North PERMIT TERM DISTURBANCE SCHEDULES
 PREPARED BY CJB DRAWN BY CJB SCALE 1" = 1000'
 APPROVED BY AE DATE 03-18-13