

2 PAGES

15

PAGE #1

CROELL Redi-Mix, # ___ Permit to Mine

August, 2009

MINE PLAN

TABLE OF CONTENTS

Received
Dept. of Envir. Quality
Sheridan

<u>Section</u>	<u>Paragraph Title</u>	<u>Page</u>
MP 1	GENERAL DESCRIPTION OF MINING OPERATION.....	MP.3
MP 1.1	Mining Method.....	MP.3
MP 1.2	Life of Mine.....	MP.4
MP 1.3	Mine Equipment.....	MP.5
MP 1.4	Affected Area Boundaries.....	MP.5
MP 1.5	Relations to Existing Structures.....	MP.5
MP 2	MINE FACILITIES	MP.6
MP 2.1	Structures	MP.6
MP 2.2	Power	MP.6
MP 2.3	Sedimentation and Treatment Ponds	MP.6
MP 2.4	Solid Waste Disposal	MP.7
MP 2.5	Storage and/or Stockpile Sites	MP.7
MP 2.6	Access Control	MP.8
MP 2.7	Auger Mining	MP.8
MP 2.8	Underground Mining.....	MP.8
MP 3	TRANSPORTATION SYSTEMS	MP.8
MP 3.1	Out-of-Pit Access/Haul Roads.....	MP.8
MP 3.2	Other Haul Roads.....	MP.9
MP 3.3	Access Roads	MP.9
MP 3.4	Light-Use Roads.....	MP.10
MP 4	MINING METHODS, SCHEDULES, AND ASSESSMENTS	MP.10
MP 4.1	Mining Sequence.....	MP.10
MP 4.2	Topsoli/Subsoil Handling.....	MP.10
MP 4.3	Overburden Excavation and Backfilling.....	MP.12
MP 4.4	Principal Commodity to be Mined	MP.14
MP 4.5	Developmental Drilling.....	MP.15
MP 4.6	Signs and Markers.....	MP.15
MP 4.7	Groundwater Protection.....	MP.16
MP 4.8	Surface Water Protection	MP.16
MP 4.9	Public Nuisance and Safety.....	MP.16
MP 4.10	Weed Control.....	MP.17
MP 4.11	Archeological Protection.....	MP.17

TABLES

<u>Table Number</u>	<u>Table Title</u>	<u>Page</u>
MP.1	Production Summary, 2008-2027	MP.17
MP.2	Equipment List.....	MP.18

MP.1

EXHIBIT
09-4806
24

CROELL Redi-Mix, # ___ Permit to Mine

August, 2009

PAGE #2

All mining and road construction activities will be conducted outside of the lowlands and drainage bottoms. If culverts are necessary, they will be designed, installed, and maintained according to the requirements of Chapter 3, WDEQ-LQD Noncoal Rules and Regulations. If used, all culverts will be a minimum diameter of 18 inches and will also be designed using LQD Guideline No. 8 criteria.

Received
Dept. of Environ. Quality
Sheldon

Haul roads will be surfaced with a crushed limestone to maintain suitable running surfaces. Maintenance of these roads will include filling potholes, blading, and watering for dust suppression. Drainage structures, including culverts will be maintained and kept free of debris. Water bars, cutouts and other measures will be used to keep accumulated road drainage out of natural waterways.

MP 3.2 Other Haul Roads

Out-of-pit haul roads that are primarily established for the purpose of hauling topsoil or overburden through reclaimed or undisturbed areas will be of minimal length generally not exceeding 600 feet in length and used short term, usually for periods of less than one week. If topsoil is present, it will be removed and stockpiled off to the side of the road for replacement during reclamation of the road. Topsoil haul roads that are established upon or within a topsoil stockpile site or upon, within, or through areas that are actively being reclaimed or stripped of topsoil will consist of a bladed earthen surface only; such roadways are exempt from haul road performance standards. Topsoil haulage will primarily be accomplished with a scraper, blade and/or front-end loader.

MP 3.3 Access Roads

The current mine entrance access road to the pit area is limited in length and has been relocated from the original access road that was previously used by the landowner for ranch access to the area. Other ranch roads are also located within the permit area and may be utilized by the mining operation in the future. All topsoil was salvaged and stockpiled for use in final reclamation of the access road. Side ditches have been established along a portion of the access/haul road where it connects with Rifle Pit Road. The road has a limestone surface. The road functions both to provide site access as well as product haulage out of the permit area. As shown on Map MP-1, the alignment has been chosen to avoid drainages and minimize grades. Maintenance of the roadways will include filling potholes and occasionally mowing or spraying weeds.