

October 13, 2015

Mr. Nick Meeker
Natural Resources Program Principal
Wyoming Department of Environmental Quality
Air Quality Division
122 West 25th Street,
Cheyenne, WY 82002

Re: Revised Mines/Quarry General Form

Dear Mr. Meeker:

After a call received from my clients at Big Horn Redi-Mix, they would like to revise the first page of the Mines/Quarry General Forms page. Please replace the original form that was sent to your office September 15, 2015, with the one attached to the email sent today.

The Annual Production volume has been increase to 200,000 tons/year and a Hot Mix Asphalt Plant and Concrete Batch Plant have been added to the Equipment Operation list.

Please contact me at 307-851-1330 if you have any questions or concerns with the submittal.

Sincerely,



Dan Arima

MINE/QUARRY NAME: <u>Warland BLM Pit #2</u>	
New Mine/Quarry: <input checked="" type="checkbox"/>	Modification to existing Mine/Quarry: <input type="checkbox"/>
Size of Mine/Quarry: <u>57.65</u> Acres	
Legal Description: <u>1/4 NE & SE 1/4</u>	Section <u>9</u> T <u>47</u> N R <u>93</u> W
Latitude: <u>44.05422</u>	Longitude: <u>-108.02836</u>
County: <u>Washakie</u>	
Number of residences within 1 mile radius: <u>0</u>	Distance to nearest residence: <u>2.7 miles</u>
TYPE OF MATERIAL MINED: (This form is Not for Coal Mines) <u>Sand & Gravel</u>	
Total Material Available: <u>750,000</u> tons	Max. Annual Production: <u>200,000</u> tons/yr
Max. Hourly Production: <u>100</u> tons/hr	Avg. Hourly Production: <u>60</u> tons/hr
Max. Hours of Operation: <u>8</u> hours/day <u>5</u> days/week	<u>52</u> weeks/year
EQUIPMENT/OPERATION PLANNED AT THIS SITE: (mark all that apply)	Crushing* <input checked="" type="checkbox"/> Stockpiling* <input checked="" type="checkbox"/> Screening* <input checked="" type="checkbox"/> Blasting* <input type="checkbox"/> Hot Mix Asphalt Plant* <input checked="" type="checkbox"/> Concrete Batch Plant* <input checked="" type="checkbox"/>
DISTURBED/OPEN ACREAGE	
Acreage Subject to Wind Erosion: <u>7.8</u> acres	
TOPSOIL	
Tons/day removed: <u>1,200</u>	tons/year removed: <u>6,000</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
TOPSOIL STOCKPILES	
No. of Topsoil Stockpiles: <u>2</u>	Size of Piles: <u>1,540</u> tons or yd ³ (circle one)
Topsoil Stockpile Fugitive Control Method and Frequency: <u>Interim Seeding</u>	
OVERBURDEN	
Tons/day removed: <u>500</u>	tons/year removed: <u>4,000</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
OVERBURDEN STOCKPILES	
No. of Overburden Stockpiles: <u>1</u>	Size of Piles: <u>2,960</u> tons or yd ³ (circle one)
Overburden Stockpile Fugitive Control Method and Frequency: <u>Water as-needed</u>	
MINED MATERIAL	
Tons/day Removed: <u>115</u>	tons/year removed: <u>200,000</u>
Fugitive Particulate Control Method and Frequency: <u>Water as-needed</u>	
MINED MATERIAL STOCKPILES	
No. of Mined Material Stockpiles: <u>3</u>	Size of Piles: <u>57 - 500 ton</u> tons or yd ³ (circle one)
Mined Material Stockpile Fugitive Control Method and Frequency: <u>Water as-needed</u>	
BLASTING	
Number of Blasts per year: <u>NA</u>	
Type of Blasting Agent Used: _____	Amount of Blasting Agent Used: _____ tons/yr
Horizontal Area of Blast: _____ ft ²	
Operational Practices used for Emission Control: _____	

Reviewer NCM
cc:
Modeler _____
D.E. _____
File A000597
IMP FID 27078



Air Quality Division

New Source Review Permit Application Form Cover Sheet

Is this supplemental information to an application currently under review?
Yes _____ No X
Previous Application #: _____

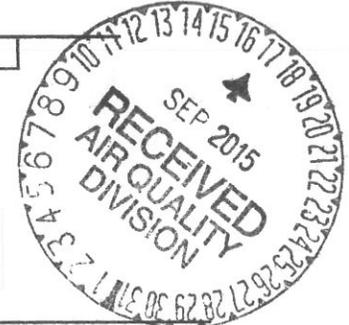
Date of Application: 9/11/15

COMPANY INFORMATION:

Company Name: Big Horn Redi-Mix
Address: P.O. Box 48
City: Thermopolis State: WY Zip Code: 82443
Country: Hot Springs Phone Number: (307) 864-3397

FACILITY INFORMATION:

Facility Name: New BLM Pit
New Facility or Existing Facility: New
Facility Description: Open Pit Sand and Gravel Mine
Facility Class: Minor Operating Status: Operating
Facility Type: Small Mine (non-coal)



For Oil & Gas Production Sites ONLY:

First Date of Production (FDOP)/Date of Modification: _____
Single well or multiple well facility? _____
Does production at this facility contain H2S? * _____
**If yes, contact the Division.*
API Number(s): _____

NAICS Code: 21232 - Sand, Gravel & Clay Mining & Quarrying

FACILITY LOCATION:

*Enter the facility location in either the latitude/longitude area or section/township/range area. Both are not required.

Physical Address: _____
City: _____ Zip Code: _____
State: WY County: _____

OR

Latitude: 44.05633 Longitude: -108.02828 County: Washakie
Quarter Quarter: _____ Quarter: NE & SE
Section: 9 Township: 47N Range: 93W

For longitude and latitude, use NAD 83/WGS84 datum and 5 digits after the decimal (i.e. 41.12345, -107.56789)

CONTACT INFORMATION:

*Note that an Environmental AND NSR Permitting Contact is required for your application to be deemed complete by the agency.

Title: _____ First Name: Cindy
Last Name: DeVries
Company Name: Big Horn Redi-Mix
Job Title: Corporate Secretary
Address: P.O. Box 48
City: Thermopolis State: WY
Zip Code: 82443
Primary Phone No.: (307) 864-3500 E-mail: hhrrmlinda@rtconnect.net
Mobile Phone No.: _____ Fax No.: (307) 864-3609
Contact Type: Responsible Officer Start Date: January 2016

*Name of the contact to whom the permit will be issued: Cindy DeVries

Additional Contact Type (if needed): On-site Operator
 Title: First Name: Daniel
 Last Name: DeVries
 Company Name: Big Horn Redi-Mix
 Job Title: Operations Superintendent
 Address: P.O. Box 48
 City: Thermopolis State: WY
 Zip Code: 82443
 Primary Phone No.: (307) 864-3500 E-mail: bhrm.linda@rtconnect.com
 Mobile Phone No.: (307) 899-2992 Fax No.: (307) 864-3609
 Contact Type: On-site Operator Start Date:

FACILITY APPLICATION INFORMATION:

General Info:

Has the facility changed location or is it a new/ greenfield facility?

New
Yes
No

 Has a Land Use Planning document been included in this application?
 Is the facility located in a sage grouse core area? *
 If the facility is in a sage grouse core area, what is the WER number?
 * For questions about sage grouse core area, contact WY Game & Fish Department.

Federal Rules Applicability - Facility Level:

Prevention of Significant Deterioration (PSD):

No
No

 Non-Attainment New Source Review:

Modeling Section:

Has the Air Quality Division been contacted to determine if modeling is required?

No
No

 Is a modeling analysis part of this application?
 Is the proposed project subject to Prevention of Significant Deterioration (PSD) requirements?

No
No
No

 Has the Air Quality Division been notified to schedule a pre-application meeting?
 Has a modeling protocol been submitted to and approved by the Air Quality Division?
 Has the Air Quality Division received a Q/D analysis to submit to the respective FLMs to determine the need for an AQRV analysis?

No

Required Attachments:

- Facility Map
- Process Flow Diagram
- Modeling Analysis (if applicable)
- Land Use Planning Document
- Detailed Project Description
- Emissions Calculations

Raymond W. DeVries Sr. President
 Responsible Official (Printed Name) Title

an Official Representative of the Company, state that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further certify that the operational information provided and emission rates listed on this application reflect the anticipated emissions due to the operation of this facility. The facility will operate in compliance with all applicable Wyoming Air Quality Standards and Regulations.

Signature: Raymond W. DeVries Sr. Date: 9/14/15
 (ink)

MINE/QUARRY NAME: New BLM Pit
 New Mine/Quarry: Modification to existing Mine/Quarry:
 Size of Mine/Quarry: 58.6 Acres
 Legal Description: 1/4 NE & SE 1/4 Section 9 T 47 N R 93 W
 Latitude: 45.05633 Longitude: 7108.02828
 County: Washakie
 Number of residences within 1 mile radius: 0 Distance to nearest residence: 2.7 miles

TYPE OF MATERIAL MINED: (This form is Not for Coal Mines) Sand & Gravel
 Total Material Available: 750,000 tons Max. Annual Production: 30,000 tons/yr
 Max. Hourly Production: 100 tons/hr Avg. Hourly Production: 60 tons/hr
 Max. Hours of Operation: 8 hours/day 5 days/week 52 weeks/year

EQUIPMENT/OPERATION PLANNED AT THIS SITE: (mark all that apply)
 Crushing* Stockpiling*
 Screening* Blasting*
 Hot Mix Asphalt Plant* Concrete Batch Plant*

DISTURBED/OPEN ACREAGE
 Acreage Subject to Wind Erosion: 7.8 acres

TOPSOIL
 Tons/day removed: 1,200 tons/year removed: 6,000
 Fugitive Particulate Control Method and Frequency: Water as-needed

TOPSOIL STOCKPILES
 No. of Topsoil Stockpiles: 2 Size of Piles: 1,540 tons or yd³ (circle one)
 Topsoil Stockpile Fugitive Control Method and Frequency: Interim seeding

OVERBURDEN
 Tons/day removed: 500 tons/year removed: 4,000
 Fugitive Particulate Control Method and Frequency: Water as-needed

OVERBURDEN STOCKPILES
 No. of Overburden Stockpiles: 1 Size of Piles: 2,960 tons or yd³ (circle one)
 Overburden Stockpile Fugitive Control Method and Frequency: Water as-needed

MINED MATERIAL
 Tons/day Removed: 115 tons/year removed: 30,000
 Fugitive Particulate Control Method and Frequency: Water as-needed

MINED MATERIAL STOCKPILES
 No. of Mined Material Stockpiles: 3 Size of Piles: 500 ton (circle one)
 Mined Material Stockpile Fugitive Control Method and Frequency: Water as-needed
 Road Base - 50 Ton
 Sand - 3000 Ton
 57 - 500 ton

BLASTING
 Number of Blasts per year: N/A
 Type of Blasting Agent Used: _____ Amount of Blasting Agent Used: _____ tons/yr
 Horizontal Area of Blast: _____ ft²
 Operational Practices used for Emission Control: _____

ACCESS & HAUL ROADS *

Maximum Distance Material will be Hauled until Reaching Pavement: 1.6 miles
 Fugitive Particulate Control Method: water as-needed
 Type of Dust Suppressant Used: water
 Control Application Frequency: as-needed

* The application **MUST include a map** identifying all haul roads, including county roads, other unpaved roads, and the first paved road associated with the mining activities.

HAUL TRUCKS (Trucks that Transport Product from the Quarry)

Truck Type 1 (Description): Belly Dumps
 No of Trucks: 2 Capacity (tons): 18 Empty Weight (lbs): 36,000
 Truck Type 2 (Description): End Dump
 No of Trucks: 1 Capacity (tons): 9 Empty Weight (lbs): 23,000
 Truck Type 3 (Description): Side Dump
 No of Trucks: 1 Capacity (tons): 18 Empty Weight (lbs): 36,000
 Truck Type 4 (Description): _____
 No of Trucks: _____ Capacity (tons): _____ Empty Weight (lbs): _____

**Note: The information above does not support data entry.
 You will need to fill out a coversheet and fugitive release point sheet to complete the application.**



T47N

R93W

**Proposed
Disturbance Area**



0 1,000 2,000 ft



ENGINEERING ASSOCIATES
CONSULTING ENGINEERS & SURVEYORS
THERMOPOLIS, WYOMING

**Big Horn Redi-Mix
Proposed New BLM Pit**

Facility Map
Section 9, T47N, R93W
Washakie County, Wyoming

Scale: 1"=2000'

September 2015

500 TON
57

3000 TON
SAND



SD TON BASE
ROAD

CONVEYOR

CONVEYOR

42"
EL JAY
CRUSHER

CONVEYOR

CONVEYOR

FEED
HOPPER

CONTROL
TRAILER

400 WATT
CAT
GENERATOR

TOPSOIL

TOPSOIL



NOT TO SCALE



Chief Washakie

Washakie County Planning Office

1001 Big Horn Avenue Suite 104
Worland, Wyoming 82401
Office: (307) 347-6778
Fax: (307) 347-9366
E-mail: planner@washakiecounty.net

March 20, 2015

Dan Arima
Meldan Environmental Services
755 Raintree Dr
Riverton, WY 82501

Dear Mr. Arima,

Washakie County does not have any zoning or land use permits required for use of the SESE of Sec. 9, T. 47 N., R. 93 W. as a mining operation area. If you have any further questions, please don't hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "David W. Anderson".

David W. Anderson, PE
Washakie County Planner

Project Description

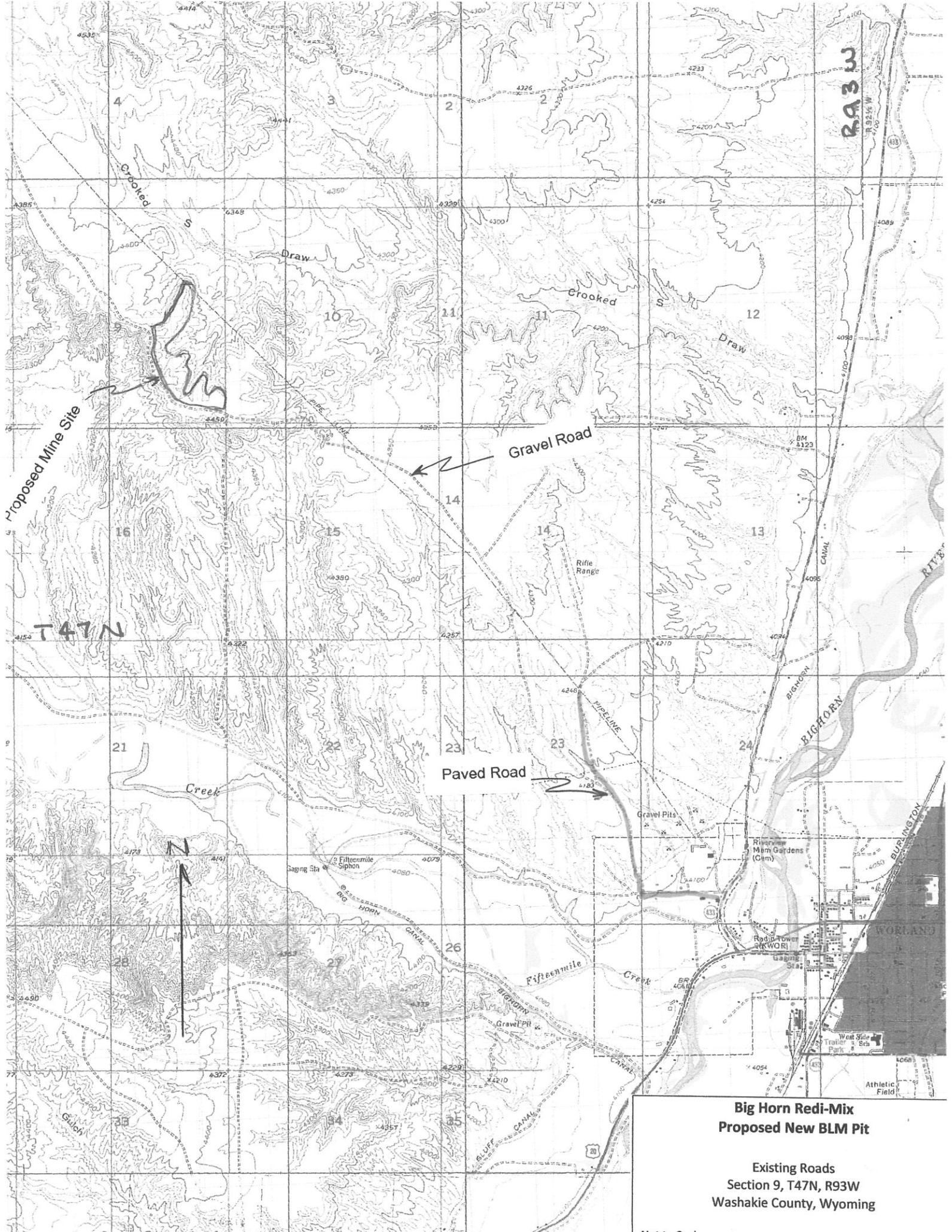
Big Horn Redi-mix is in the process of converting its Wyoming Department of Environmental Quality Land Quality Division (LQD) Limited Mining Operation (LMO) Permit 1608ET into a Small Mine Permit. Since this LMO permit was just recently approved, this application is to serve 2 purposes, first to obtain an Air Quality Permit for the LMO permit and secondly to obtain a permit for the proposed Small Mine Permit – one of the requirements by LQD.

The current mine and the proposed mine is located in the east half of Section 9, T47N, R93W, 6th P.M., Washakie County, Wyoming as illustrated on the Facility Map. These lands are administered by the U.S. Department of Interior – Bureau of Land Management (BLM). A Sale of Minerals Materials contract has been obtained from the BLM (Contract No. WYW-165229).

As required, Big Horn Redi-mix will strip and stockpile any topsoil encountered prior to mining. Based on previous test pits, there is very little to no overburden associated with the mine, so there has been no overburden stockpiled to-date. In the event that overburden is encountered it will either be stockpiled or placed back into the pit as backfill for reclamation of the pit.

Once the gravel is exposed, it will be mined using a D-9 Caterpillar dozer and 966 and 980 Caterpillar loaders. The materials will then be transported with the loaders to a grizzly type feeder hopper and then fed into a crusher where it will be crushed and segregated into the desired material types. The majority of material will be used at Big Horn Redi-mix's concrete batch plant in Worland.

After an area has been mined out, it will be reclaimed including re-seeding. The area will be held under a Reclamation Bond by the LQD and not be released until the revegetation standards as met.



**Big Horn Redi-Mix
Proposed New BLM Pit**

Existing Roads
Section 9, T47N, R93W
Washakie County, Wyoming