STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34168
Exam Date: 08/15/2024

1. Current Owner:
   IDAHO MATERIALS & CONSTRUCTION PO BOX 1310 NAMPA ID 83653-1310
   Owner of Record Correct? _____N
   Address of Record Correct? _____N
   If No Explain:

2. Beneficial Use Fees have been paid: _X_Y ____N Receipt No: C110898

3. Accompanied by: ED HAAS
   Phone No: (208) 573-3099
   Address: 21250 MIDDLETON RD, CALDWELL, ID (BATCH PLANT ADDRESS)
   Relationship to permit Holder: PLANT MANAGER

3. **SOURCE:**
GROUND WATER EXCAVATED POND

Method of Determination: GIS and Canyon County Tax Parcel Data

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-179C, 32580 & 33392	Boise River, Mason Cr, and 15mile Cr	IRRIGATION (MASON DITCH CO)	DECREED

Comments: The permit Place of Use (POU) is overlapped by Irrigation Company service areas.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE	NA	NA	NA

Comments: No other rights share the Point of Diversion (POD) with the permit POD.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼ SW¼, Sec. 17, Twp 04N, Rge 02W, B.M. CANYON County
Method of Determination: GIS & Canyon County Tax Parcel Data

PLACE OF USE: COMMERCIAL STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	02W	17											X						

PLACE OF USE: COMMERCIAL FROM STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	02W	17			X	X L3					X	X	X	X	X	X			
04N	02W	17				X													

Method of Determination: GIS, Canyon County Tax Parcel Data, and the Canyon County GIS imagery.

Change in POU? ____Y _X_N Amendment Required? ____Y _X_N

3.

_X_ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

_X_ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

_X_ Aerial Photo Attached (required for irrigation of 10+ acres).

_X_ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
EXCAVATED POND (HIGH WATER TABLE)	UNKNOWN	25	UNKNOWN	UNKNOWN	UNKNOWN

Comments: The pond is filled due to a high groundwater table. However, diversion to the commercial use is via a 25Hp pump diverting from the pond.

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: The storage is an excavated pond filled due to a high groundwater table. No measurement is required.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: N/A. No reported rate is necessary for the license.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: **N/A**
2. Volume Calculations for Other Uses: **COMMERCIAL FROM STORAGE**

COMMERCIAL USES: TRUCK WASH & DUST ABATEMENT

DAYS OF OPERATION ANNUALLY: 268 DAYS (OPEN MON-FRI + EVERY 3RD SATURDAY. CLOSED 9 HOLIDAYS)

DAILY USE:

TRUCK WASH- 18 Truck each Transporting 8-10 loads daily-1 wash between each use and 1 wash at end of day= 9-11 washes

DUST ABATEMENT -1 Truck filling 5-8 times daily to keep the ground damp throughout the facility.

ANNUAL VOLUME:

TRUCK WASH- 18 Trucks x 9 Washes x 1,000-Gal ea. X 268 Days/yr = 43,416,000 Gal / 325,850 Gal per AF = 133.2 AF annually

DUST ABATEMENT -1 Truck x 8 fills daily x 3,000-Gal ea. X 268 Days/yr = 6,432,000 Gal / 325,850 Gal per AF = 19.7 AF annually

TOTAL ANNUAL VOLUME= 152.9 AF

Comments: I recommend the license be issued for the full permitted annual volume of 150.0 AF for Commercial use from storage, as per the usage as dictated by the plant manager during the field exam.

G. PURPOSE OF USE

COMMERCIAL -DUST ABATEMENT AND TRUCK WASH

Change in Purpose of Use? ____Y _X_N

Method of Determination: Canyon County GIS Maps, GIS, and field observation.

H. NARRATIVE/REMARKS/COMMENTS

The Department received the Proof of Beneficial Use for permit 63-34168 on April 27, 2021. On August 15, 2024, a field examination was conducted by Water Resource Agents Bob Howe and Kate Englund, escorted by plant manager Ed Haas. The beneficial use was developed for Commercial Storage with diversion from storage for dust abatement and truck washing at the concrete batch plant owned and operated by Idaho Material & Construction (the permit holder) on Middleton Road near Caldwell, Idaho. The development period for the project is from 2016 (date permitted) to 2021 (date Proof of Beneficial use received).

The storage POU is an excavated pond approximately 7.5 acres in total area which fills due to a high groundwater table. The application described a maximum depth of 25ft. Water is diverted from the pond using a pontoon pump station with a 25 Hp pump (photos 1, 2a, & 2b). The truck wash is on a timer to meter out approximately 1,000 gallons when activated by a truck driving over a signal hose laid across the lane beneath the truck fill spout (photos 3 & 4). Mixer trucks are washed after each batch is delivered, and once again at the end of the day. The wastewater and material from the barrel of the wix trucks are purged at the east end of the plant onto a concrete slab where it infiltrates the ground near the storage pond without injecting slurry or sediment into the storage pond (see figures 1a & 1b). Water trucks have a 3,000-gallon capacity and are filled by repeated passes over the signal hose. The water trucks are used continuously throughout the production area for dust abatement, as required by environmental guidelines provided to the permit holder by the DEQ. The plant manager, Ed Haas, stated that 18 mixer trucks and a water truck are in operation at the batch plant. The batch plant operates Monday through Friday every week with one Saturday every 3rd week, and it is closed for 9 holidays annually (operating 268 days/yr). Ed stated that the operational hours of the plant are stated in the employee handbook and the company keeps records of the number of batches each mixer delivers.

The usage information provided by the plant manager during the field examination was sufficient to calculate the annual volume used for truck wash and dust abatement at the facility. Based on the annual volume calculations (in section F of this report) I recommend that the license is issued for the full permitted volume for commercial use from storage of 150.0 AF annually, and the full permitted commercial storage annual volume of 169.7 A.

I recommend the license be issued with conditions 219, 220, 123, 01M, and 103 and the commercial use description condition used on the permit. Condition 046, 26A, and 106 should be removed for licensing, as per current guidance. Condition 121 should be replaced by condition 103 for the license, as per current guidance.

Have conditions of permit approval been met? _X_ Yes ____ No

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
COMMERCIAL STORAGE	01/01 to 12/31	N/A	169.7 AF
COMMERCIAL FROM STORAGE	01/01 to 12/31	N/A	150.0 AF
	Totals:		169.7 AF

2. Recommended Amendments

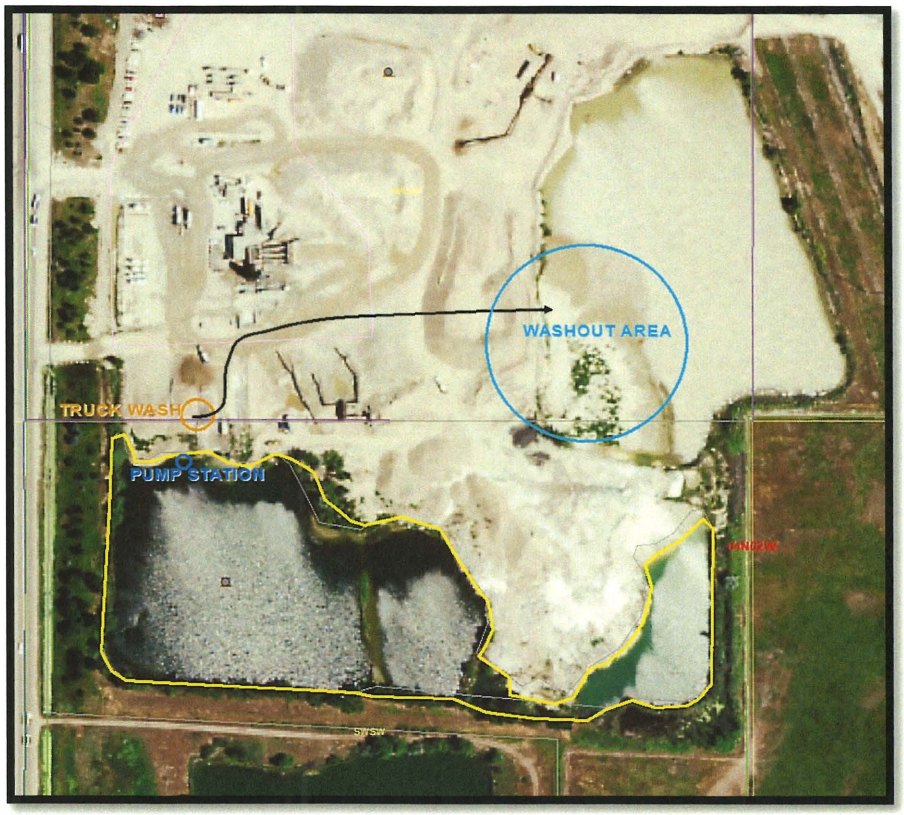
____ Change P.D. as reflected above ____ Add P.D. as reflected above _X_ None

____ Change P.U. as reflected above ____ Add P.U. as reflected above _X_ None

J. AUTHENTICATION Bob Howe - Water Resource Agent

Field Examiner's Name Bob Howe Date 9/30/2024

Reviewer Cody [illegible] Date 9-30-24



Figures 1a & 1b– System Diagram- 1a. GIS 2017 NAIP Imagery (above) 1b. GIS 2021 NAIP Imagery (below) -Water is diverted via a pontoon pump station with a 25Hp pump that discharges to the elevated filling area.

Photo 1 (above)- Facing southeast from the northwest bank of the storage pond. Pontoon pump station with 25Hp pump.

Photo 2a & b (Below. Left to right respectively)- 2a. Pump specification plate is illegible. Horsepower provided by the plant manager during the field examination. 2b. Facing west-Pontoon pump station is along a steep embankment and bottom of the pond drops steeply.

Photo 3 – Near the northwest shore of the storage pond taken facing east. The signal hose attached to the timer switch is circled on the left center of the image.

Photo 4 (below) Truck wash metering system being manually activated for demonstration.