

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8792

Exam Date: 5/23/2012

1. Current Owner: TRIPLE C CONCRETE INC
PO BOX 95
RUPERT ID 83350
(208)436-9373
2. Accompanied by: Brad
Phone No: 208-650-1247
Address: same
Relationship to Permit Holder: Manager

3. SOURCE

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NW1/4SE1/4	Sec. 7,	Twp 09S,	Rge 25E, B.M.
MINIDOKA County				
GROUND WATER	SW1/4SE1/4 (46)	Sec. 7,	Twp 09S,	Rge 25E, B.M.
MINIDOKA County				

Method of Determination: GPS point collected by staff and 2009 aerial photography.

2.

PLACE OF USE: INDUSTRIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	25E	7															X	X	(46)

Method of Determination: 2009 aerial photography.

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
Pump station		60			8 inch

This is the same system that served for permit 36-8791 (first permit for east gravel pit). Triple C moved the pump, meter and gravel washing station to the west and then the south pit in 2009.

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Portaflow	Polysonic	FUJI		240332		5/14/2009

1. Measurements:

On 5/14/2009, Cindy Yenter conducted a flow measurement of the east pump station. This measurement indicated a flow of 757.3 gpm, or 1.68 cfs. In 2009 the entire system was moved from the east and west pits to the south pit so this measurement appears to be valid for this license as well. A measurement was unattainable at the time of the field exam. **Recommended flow for license is 1.68 cfs.**

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: **N/A**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: **N/A**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

Industrial Use:

Volume was taken from the WMIS database annual flow meter usage records for 2009. **Recommended volume of 332.22 AF for license. (see file)**

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 36-8792 was filed on June 17, 1999 for the diversion of 2.5 cfs of groundwater for industrial use associated with a gravel pit. Permit 36-8792 was issued on September 7, 1999 and Proof of Beneficial Use was filed on August 26, 2009.

An amendment was filed to add the SWSE of section 7 as a point of diversion and place of use. The original application for permit was developed in the NWSE but prior to proof being filed the system was moved to the SWSE tract and used there for its final destination (gravel and sand washing always occurred in the same tract as the pump, meter and pond).

The system consists of the same 60 HP pump and gravel washing station as permit 36-8791 but has been relocated to the south pit. As the pit is excavated ground water subs into the pit and fills it. Water is pumped to the washing station for cleaning of sand and gravel and then returned to pond for recycling. Industrial use is non-consumptive.

On 5/14/2009, Cindy Yenter conducted a flow measurement of the east pump station. This measurement indicated a flow of 757.3 gpm, or 1.68 cfs. In 2009 the entire system was moved from the east to the west pit and finally to the south pit so this measurement appears to be valid for this license as well. A measurement was unattainable at the time of the field exam. The permitted amount of 2.5 cfs exceeds the maximum capacity of the system. **Recommended flow for license is 1.68 cfs.**

WMIS records from 2009 indicate a volume of 332.2 AF for annual flow meter usage. **Recommended volume for this license is the recorded 332.2 AF.**

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
INDUSTRIAL	01/01 to 12/31	1.680 CFS	332.20 AF
<u>Totals:</u>		1.680 CFS	332.20 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☒ Add P.D. as reflected above ☐ None

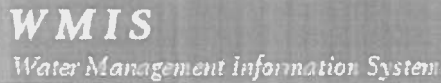
☐ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Sara Reeder Date 9/20/12

Reviewer [Signature] Date 9/20/12

Idaho Department of Water Resources



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Flow Meter Water Usage

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Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2009	890519.00	332.22		End of year reading X 1 rollover. jjr
		Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
		Validated by IDWR	1973072.00	332.22		
		Calibration Data		Acre Feet Qualifier	Preferred Method	
		Date:	5/14/2009 12:00:00 AM	No Monthly Recordings	FM	
		Factor	1.00			
		Vol. Multiplier:	100.0000			
		Vol. Unit	GAL			

Edit	Delete	Report Year*	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
		2008	0.00	273.29		end totalizer as reported by phone 1.16.09. season of use approx Mar15 - Dec10. cy.
		Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
		Validated by Water Master	890519.00	273.29		
		Calibration Data		Acre Feet Qualifier	Preferred Method	
		Date:	5/14/2009 12:00:00 AM	No Monthly Recordings		
		Factor	1.00			
		Vol. Multiplier:	100.0000			
		Vol. Unit	GAL			

36-8791

Idaho Department of Water Resources

WMIS

Water Management Information System

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Flow Meter Calibrations

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Edit	Delete	Calibration Date/Time:	05/14/2009	Factor:	1.00
		Installed Meter Data:		Standard Meter Data:	
		Installed Meter Flow:	760.00	Standard Meter Flow:	757.30
		Rate Unit:	GPM	Rate Unit:	GPM
		Rate Multiplier:	1.0000	Pipe Material:	STEEL
		Volume Multiplier:	100.0000	Outside Diameter (Inches):	8.02
		Volume Unit:	GAL	Wall Thickness (Inches):	0.17
		Location:	GOOD	Downstream Distance (feet):	30.00
		Comments:	flow indicator needle read low (650 gpm), but volume register is within range on timed test. cy.	Upstream Distance (feet):	72.00
				Calibration Confidence:	EXCL
		Installed Meter Information:			
		Manufacturer:	MCCROMETER	Installation Date:	03/01/2008
		Model Number:		Serial Number:	04.02604.8
		Meter Type:	PROPELLER	Other Well:	

May 23, 2012
1:30

Brad
650-1247

36-8791 2004 just NESE (sold Jan. 2011)
just NWSE

36-8792 2009 just SWSE (Prior to proof date)

Last used 2010 in SWSE
currently not using, want to retain right(s)

washing always occurred in same
tract as POD (where water pumped)

narrative:

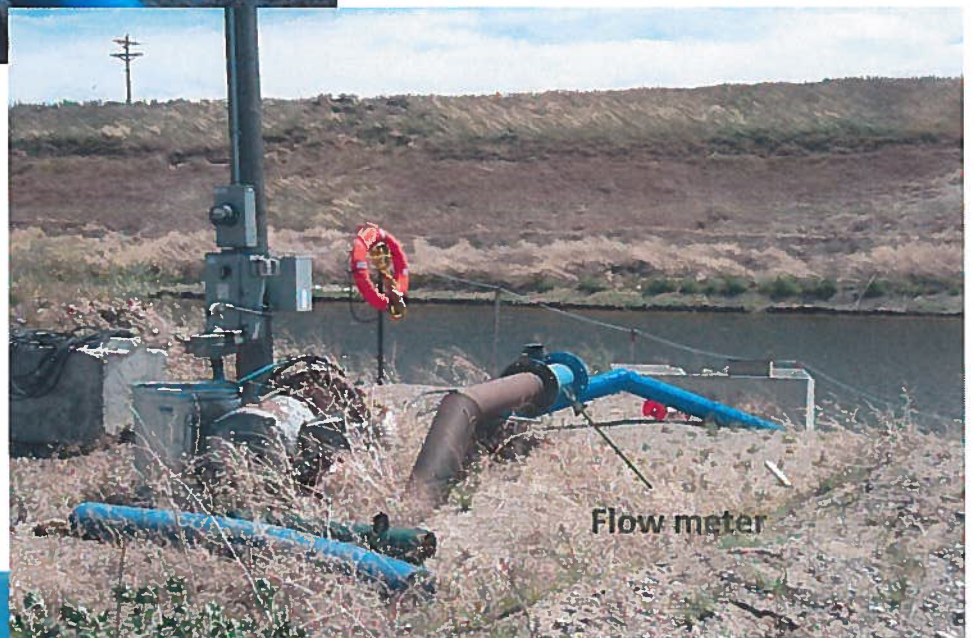
developed in NWSE, but prior
to proof being filed moved to
SWSE and used "final" location

Volume } WMIs records
rate }

757.3 gpm
332.2 AF



Dismantled system South Pit



Flow meter



Gravel Washing Station

State of Idaho
Department of Water Resources

Attachment To Water Right License

36-8792

This map depicts the INDUSTRIAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



0 0.075 0.15 0.3 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

