

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-24209

Exam Date: 1/07/2025

1. Current Owner:
DICKINSON FROZEN FOODS 600 NW 21ST ST FRUITLAND ID 83619-5052
2. Accompanied by: Jason Botwright
Phone No: 208-860-9289
Address: 600 NW 21st St. Fruitland, ID 83619
Relationship to permit Holder: Manager of Dickinson Frozen Foods facility

3. SOURCE:

GROUND WATER

Method of Determination: Field Examination, Proof of Beneficial Use**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-24307	Groundwater	Industrial	Permit

Comments: There are eight overlapping municipal water rights. WR 63-24307 is owned by Dickinson Frozen Foods and is used to supply water to a wastewater treatment plant. The Waste water irrigates the field within the SWSE and NWSE ¼ ¼'s of 08N05W sec 15, where the place of use is located.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-24307	Groundwater	Industrial	Permit

Comments: WR 63-24307 uses groundwater at a rate of 0.11cfs from the same well as WR 65-24209 for industrial wastewater treatment.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼ SE¼, Sec. 15, Twp 08N, Rge 05W, B.M. PAYETTE County

GPS: 44.02751 -116.91985

Method of Determination: Field Examination, OnX GPS, ArcMap Wells Data

PLACE OF USE: INDUSTRIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	05W	15														X	X		

2

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0104334	NA	2	NA	Franklin Electric	24F14 21 08473A

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NA	NA	NA	NA	NA	NA	NA

2. Measurements: No measurements were taken during this field examination.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

Theoretical flow calculation: $(8.8 * 1.5\text{hp} * 0.66) / [30\text{ ft} + (60\text{psi} * 2.31)] = 8.7 / 168.6 = 0.05\text{cfs}$

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses:

Industrial use annual volume:

$0.04\text{ cfs} * 26,930\text{ gph} * 24 * 365 = 9,436,272\text{ gallons per year}$

$9,436,272 / 325,850 = 28.9\text{ AFA}$

G. NARRATIVE/REMARKS/COMMENTS

An in-person field exam for WR 65-24209 was conducted on January 7, 2025. I was accompanied by the facility general manager, Jason Botwright. The permit was issued on May 15, 2023 and the Statement of Completion was submitted on April 24, 2024.

The facility utilizes groundwater for the frozen food processing plant from well D0104334 which is accompanied by a 2 horsepower Franklin Electric pump which is set at 30ft. Pump depth was determined by the drillers report. Item E includes a theoretical flow calculation using pump information gathered at the time of the field exam to represent the capability of the well pump to deliver water to the rest of the system at 0.05cfs. A 1.5" mainline delivers water from the well to the main building of the facility where one hand washing sink, one emergency eye wash and shower station, and two hoses are located. Both hoses have ¾" CF8M 800 series valves. One hose sprays a production belt (figure 9) for 24 hours a day, 365 days per year with a compatible ¾" nozzle, consistent with the nozzle specifications shown in figure 10. The other hose is for intermittent use, fitted with a 5/8" hose barb. It was estimated to run roughly 2-3 hours out of the day if all use of this hose was accounted for.

Wastewater from the facility is treated by a polymer based Triplex Chemical Feed System from Chemtreat (figure 12-14). From the wastewater treatment station, water is delivered to the alfalfa field located within the NWSE and SWSE ¼ ¼'s of T08N R05W S15 via 1.5" mainline pipe. There are 75, 20 ft sections of 3" pipes that irrigate using wastewater during each growing season. The purpose of overlapping WR 65-24307 is to supply additional water to the wastewater treatment system.

I recommend that the permitted 0.04 cfs is licensed with the full volume of 28.9 acre-feet annually. Item E shows that the system can deliver 0.05 cfs to the system. The condition of approval to comply with drilling permit requirements and condition 046 will be removed at licensing. Condition 121 will be replaced with condition 103 to ensure that license holder is notified that they may be called upon to provide mitigation for their consumptive water if water is needed for anadromous fish migration.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
INDUSTRIAL	1 /1 to 12/31	0.04 CFS	28.9 AFA
<u>Totals:</u>		0.04 CFS	28.9 AFA

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

I. AUTHENTICATION

Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date 2/05/2024 15Reviewer Cody Rh Date 03/04/2025

State of Idaho
Department of Water Resources
Attachment to Water Right
65-24209

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.



Figure 1 Map outlining updated place of use and point of diversion for WR 65-24209.



Figure 2 System diagram showing route of fresh and waste water to all amenities under WR 65-24209.



Figure 3 Well head D0104334 located at 44.02751 -116.91985.



Figure 4 Leon's Pumps Ontario, Oregon tag on well D0104334.



Figure 5 Metal tag for well D0104334.

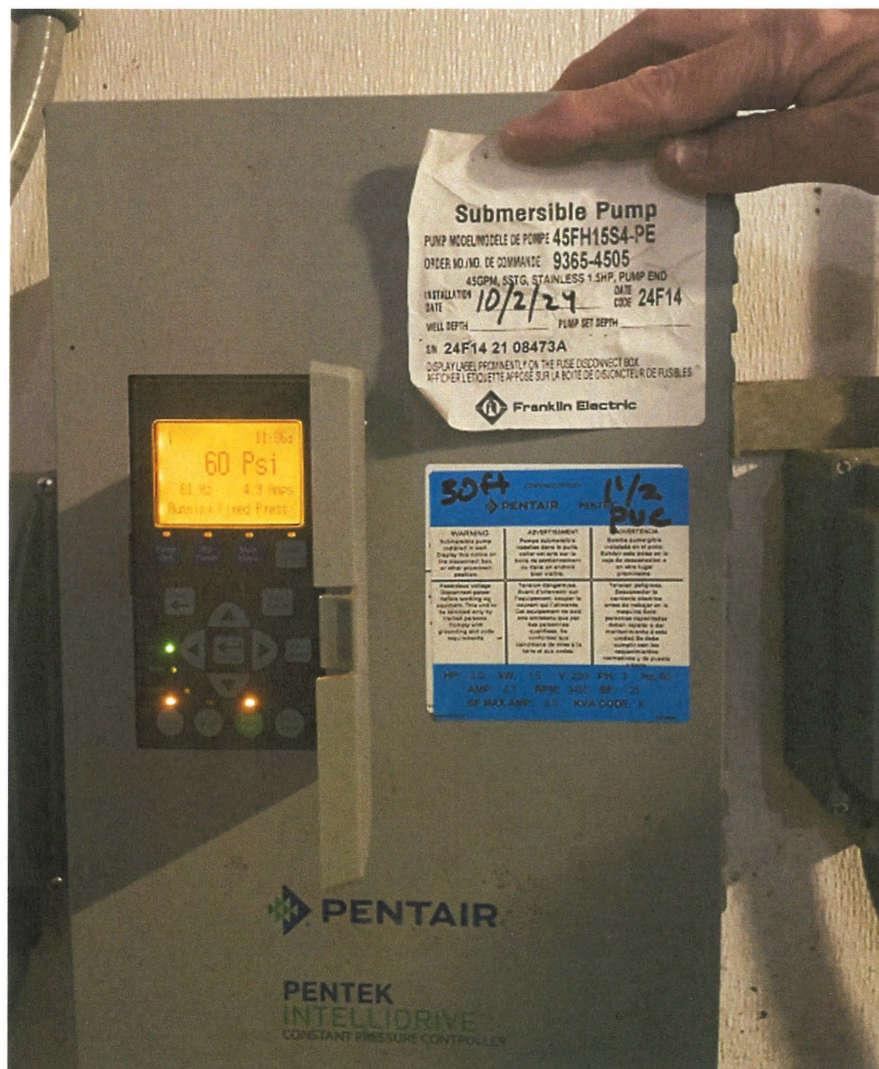


Figure 6 Pentair Pentek Intellidrive pressure controller showing 60psi at the time of the field examination. Pump tag left by Leon's Pump indicates that the Franklin Electric pump is 1.5hp and set at 30ft with 1.5" pvc delivering water from well to facility.

Ratings

HP	1.5 hp
Frequency	60 Hz
Basic Model	45S4
PEI #	0.89
Maximum Flow Rate - 60 Hz	55 gpm
Minimum Flow Rate - 60 Hz	30 gpm
Flow	45 gpm
Shut Off 60 Hz	156 ft
Stages	5
Pump Efficiency	66.0 %
Temperature Rating	120 °F

Figure 7 Pump ratings chart gathered from Franklinwater.com showing specifications for pump model 45FH15S4-PE, installed in well D0104334.



Figure 8 Guardian brand GFR3100 freeze resistant emergency shower and eyewash station. Shower head and eyewash both have 20GPM flow control.



Figure 9 Production belt and two $\frac{3}{4}$ " hoses with Global Industrial CF8M nozzles.

Connection Style	GH
Manufacturers Part Number	572-0751
Gallons per Minute	18 gal/min
Brand	Moon American

Figure 10 Specifications for Global Industrial CF8M nozzles showing maximum output is 18gmp, or 0.04cfs.



Figure 11 Single hand washing sink, used intermittently.



Figure 12 Triplex chemical feed control panel associated with the polymer treatment associated with wastewater system for WR 65-24209.

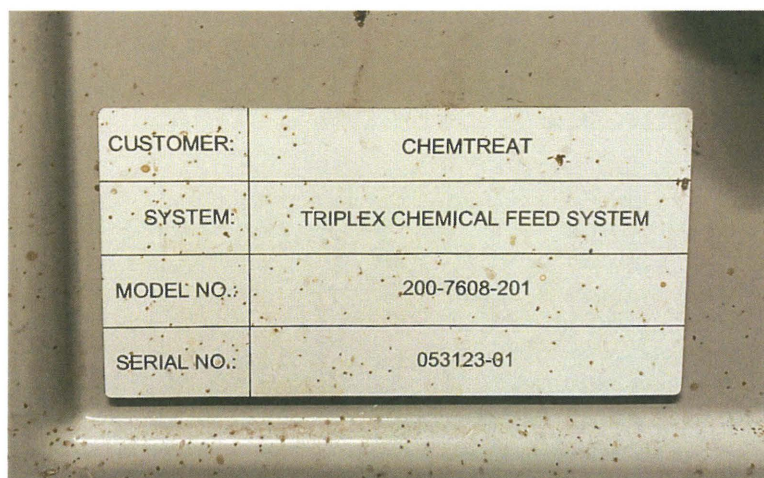


Figure 13 Triplex chemical feed control system specification tag showing model number 200-7608-201 and serial number 053123-01.

VOLTAGE	120VAC	MOTOR FLA	NA
PHASE	1	SCQR	5KA SYMB 120V MAX
FREQ	60HZ	ENCLOSURE + TYPE	UL NEMA 4X
FLA	4.7A	DWG #	JTB06-E201

Figure 14 Triplex chemical feed control system specification tag showing 120VAC voltage, frequency 60Hz, and phase 1 motor.

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0104334
Drilling Permit No. 917303
Water right or injection well # 65-24307
2. OWNER: Dickinson frozen Foods

Name _____
Address 600 Nw 21st Street
City Fruitland State ID Zip 83619

3. WELL LOCATION:

Twp. 08 North ☒ or South ☐ Rge. 05 East ☐ or West ☒
Sec. 15 SW ☐ 1/4 SE ☐ 1/4

Gov't Lot _____ County Payette
Lat. 44 ° 01.6533 (Deg. and Decimal minutes)
Long. -116 ° 55.1882 (Deg. and Decimal minutes)
Address of Well Site 600 NW 21st Street
City Fruitland

(Name of water right or permit - reference to Sub. to Landmark)

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other Industrial

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
bentonite	0	18	1050	temp casing

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing Liner	Threaded	Welded
6	+3	31	.250	steel	☐	☐	☐
5	27	32	.258	steel	☐	☐	☐
5	37	39	.258	steel	☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 31

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☐ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson SS

Method of installation pull back

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
32	37	.025	5	5	SS	.304

Length of Headpipe 5 Length of Tailpipe 2

Packer ☒ Y ☐ N Type 3 lip

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
na				

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☐ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL AND WELL TESTS:

Depth first water encountered (ft) _____ Static water level (ft) 16

Water temp. (°F) _____ Bottom hole temp. (°F) cold

Describe access port wellcap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
<u>too27</u>	<u>40</u>	<u>60</u>

Test method:

Pump	Bailer	Air	Flowing artesian
☒	☐	☒	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water
				Y N
10	0	13	sand and clay	X
10	13	18	sand and gravel	X
6	18	37	sand and gravel	X
	37	39	brown clay and silt	X

Completed Depth (Measurable) 39

Date Started: 9/10/24

Date Completed: 9/11/24

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed

Company Name J McLeran Drilling LLC Co. No. 720

*Principal Driller Josh McLeran Date 9/11/24

*Driller _____ Date _____

*Operator _____ Date _____

*Operator _____ Date _____

Other _____ Date _____

Other _____ Date _____

* Signature of Principal Driller and rig operator are required.