

NOTES

10-24-05

22-7097 { 22-13429 The rest of the right; one of the two wells
 22-13430 Industrial only 0.5 cfs; the other of the two wells

From split, 22-13429 received all domestic and irrigation and 0.3 cfs of industrial. However, after the destruction of their facility from the Teton Flood, Sun-Glo abandoned most of their irrigation right. They began using canal water only except for on 1.2 ac. of lawn, which they have continued to irrigate from the well. Therefore, concentrated irrigation to 0.63 cfs/ac on FOU = 0.36 cfs.

Recommendations

Irrigation 0.036 cfs

Industrial 0.3 cfs

Domestic 0.04 cfs

0.336 cfs

↳ 410 ac = 0.63 cfs/ac.

1.2 ac x 0.03 cfs/ac = 0.036 cfs

Domestic is incidental to irrigation and industrial and is not included in total quantity.

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 22-7097

WATER RIGHT NUMBER: 22-7097

Owner Type Name and Address
 Current Owner SUN-GLO INDUSTRIES
 378 S 7 W
 SUGAR CITY, ID 83448
 (208)356-7346

Priority Date: 07/15/1974

Basis: License

Status: Active

Source Tributary
 GROUND WATER

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	4/01 to 11/01	0.800 CFS	217.00 AF
INDUSTRIAL	1/01 to 12/31	0.800 CFS	165.40 AF
DOMESTIC	1/01 to 12/31	0.040 CFS	1.20 AF
<u>Total Diversion:</u>		1.380 CFS	383.60 AF

A: 62.025
B: 103.375

Location of Point(s) of Diversion

GROUND WATER
 MADISON County

NE1/4NE1/4

Sec. 8, Twp 06N, Rge 40E, B.M.

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06N	40E	8	33.0	12.0	8.0	9.0													62.0

Total Acres: 62

INDUSTRIAL same as IRRIGATIONDOMESTIC same as IRRIGATIONConditions of Approval:

1. 2 P/D IN NENE, S8, T6N, R40E.

Remarks:Comments:

22-7097 22-13429 Paving
SPLIT BY c/o IND. @ CFS only
 Dom

22-13430
0.5 cfs INDUSTRIAL Only
103.375 AF

WATER RIGHT LICENSE

THIS IS TO CERTIFY, that SUN GLO INDUSTRIES

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
Domestic (1 unit)	from January 1 to December 31 at	0.04 cfs and	1.2 acre feet
Irrigation	from April 1 to November 30 at	0.89 cfs and	217 acre feet
Industrial	from January 1 to December 31 at	0.0 cfs and	165.4 acre feet

Subject, however, to the condition that no more than 1.38 cfs of water be diverted at any one time, and that the amount of water so diverted and to which such right is entitled and confined is for the purpose aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed 383.6 acre feet per year, said waters to be diverted within the 2 pts. NE 1/4, Sec. 8, Twp. 6N., Rge. 40E., E.M. in the County of Madison

Description and location of place of use:

[illegible]

Total number of acres irrigated 62

Industrial use is for washing & transporting Idaho potatoes.

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

The right to the use of the water hereby confirmed is restricted and appurtenant to the lands or place of use herein described, as provided by the laws of Idaho.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 30th day of April, 1981.

Director



State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

C. STEPHEN ALLRED
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

April 1, 1981

Sun-Glo Industries
P.O. Box 84
Rexburg, Idaho 83440

Dear Sirs,

A representative of this Department has made an examination of the works covered by your Permit No. 22-7097, and has found the following:

Amount of water that can be recognized as beneficially used under
Idaho law: 1.38 cfs Source: groundwater

The maximum quantity diverted shall not exceed 383.6 acre feet per year.

Point(s) of diversion: 2 pts. NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 8, Twp. 6N, Rge. 40E, B.M.

Beneficial use: Irrigation of 62 acres and domestic use for 1 unit and industrial use within the NE $\frac{1}{4}$, Sec. 8, Twp. 6N, Rge. 40E.

Priority date established: July 15, 1974

Conditions (if any): Industrial use is for washing & transporting Idaho Potatoes.

If you do not concur with these findings please contact us within 10 days, otherwise a water license will be issued as set forth above.

Sincerely,

JIM JOHNSON
Water Distribution Supervisor

6-22-78

3. Water will be used for the following purposes:

Period of Use: from 1/01 to 12/31
(mo.-day) inclusive (mo.-day)

Period of Use: from 4/01 to 11/01
(mo.-day) inclusive (mo.-day)

Period of Use: from 1/01 to 12/31
(mo.-day) inclusive (mo.-day)

4. Total amount to be appropriated:

Max Rate of Diversion 1.38 cubic feet per second and annual volume _____ AF/Annum.

5. Location of Point(s) of Diversion:

Township 6N N/S, Range 70E E/W, B.M., Section 8, Subdivision NE $\frac{1}{4}$ NE $\frac{1}{4}$ Madison
County _____
Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____
County _____
Township _____ N/S, Range _____ E/W, B.M., Section _____, Subdivision _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ _____
County _____

Other Points of Diversions:

Description of diverting works: 2 8" wells with bump & plumbed for potato processing plant

Measuring device required: yes ☒ no ☐

6. Lands to be irrigated or place of use.

TOTAL ACREAGE 70

Permit No. 88-1011
Examination for 0/2

DATE OF EXAM 14th day of August, 1979

ACREAGE
Found 62.2
Recommended 62.2

Irrigation Requirement 3.5 Ac Ft/Ac

USE
Irrigation Q = .80 c.f.s. V = 217.00 AF/Ann. from April 1 to Nov. 1
Domestic Q = .04 c.f.s. V = 1.20 AF/Ann. from Jan 1 to Dec 31
Livestock Q = .80 c.f.s. V = 165.00 AF/Ann. from Jan 1 to Dec 31
Industrial .80 c.f.s. Vind 165.00 AF/Ann. from Jan 1 to Dec 31
1.38 383.20

Is water co-mingled? yes no X

Name source: n/a
twp. N/S Rge. E/W B.M., Sec. Sub. 1/4 1/4 County

Exchange? yes no X

Name source exchanged with: n/a
twp. N/S Rge. E/W B.M., Sec. Sub. 1/4 1/4 County

Point of injection: n/a
twp. N/S Rge. E/W B.M., Sec. Sub. 1/4 1/4 County

Point of exchange: n/a
twp. N/S Rge. E/W B.M., Sec. Sub. 1/4 1/4 County

Total Q measured 2.08 cfs Method of measurement Theoretical
2.08 cfs Theoretical Country

Total Q recommended 1.38 Meter No. 73-4-548 MO type meter Condition std.

Total V recommended 383.20 AF/yr

Recommended Amendments:

P.D.
Place of Use
Other
None

MEASUREMENT CALCULATION:

* Theoretical of 2 production wells $Q = \frac{(1511.8)(.80)(8.814)}{(9) + (40)(2.31)} = 1.04 \text{ cfs} \times 2 \text{ identical wells} = 2.08 \text{ cfs capacity}$

Qirri - measured 300 gpm $\div 448.8 = .80 \text{ cfs}$ $V = 62 \times 3.5 = 217 \text{ AF/yr}$

Qdomestic - .04 cfs by assignment Domestic $= 1.20 \text{ AF/yr}$

Q industrial - measured 300 gpm $\div 448.8 \text{ gpm/cfs} = .80 \text{ cfs}$
SYSTEM DESCRIPTION: Vind = .8 cfs Reduced for 8 mos 6 days a week year round
.80 cfs x .33 dy x 1.4835 AF/dy cfs x 315 operating cfs = 165 AF/yr

See Reverse side for system description See Back for Volume Calculations

Allow 1.38 cfs as per permit

REMARKS: System shown and described by Terry Hastings - Manager

Examined Signature Anthony R. Kozlowski Date 2-1-80

Checked by John D. Cannon Date 4/9/80

Approved by Reyn Date 3/26/81

UNRECORDED

Groundwater is pumped from 2-8" in sed wells having depth of 83' feet by 2-15 H.P. submersible pumps/motors of unknown make, model, and I.D. #8. Groundwater is conveyed to and open discharged into a concrete sump where it is relifted by a 15 H.P. U.S. motors 3ph Vertical pump motor I.D. # - 9309-01-6517875-630 and by a Johnston Vertical turbine pump spn-T4075 mfr 6 EE. The relifted water can be diverted for irrigation or industrial use. Domestic water bypasses the sump and is conveyed directly into the plant to service a mens restroom - 2 toilets - 1 urinal - large circular wash basin, and a women's restroom - 3 toilets - 1 wash basin. There are also 2 drinking fountains in the plant and a sink in the kitchen area. Industrial water is used for washing and transporting Idaho assets. Please note that the industrial water ~~is~~ recycled. It is collected and conveyed to a settling pond where it can be conveyed back to the sump and reused again for irrigation or industrial use.

2. Aceage (62a) are irrigated by 10 solid set handlines of various lengths. This system can pump groundwater for irrigation, industrial, & domestic purposes or can divert recycled water for irrigation and for industrial use.

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