

## 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         |
|            | <u>0.336 cfs</u> |

↳ 410 ac = 0.63 cfs/ac.  $1.2 \text{ ac} \times 0.3 \text{ cfs} = 0.036 \text{ cfs}$   
 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. @ C.D. only  
 Dom

22-13430  
O.S. c/o INDUSTRIAL Only  
103.375 AF

State of Idaho  
Department of Water Resources

WATER RIGHT LICENSE

License of Water Right No. 22-7097 Priority July 15, 1974 Amount 1.38 cfs

THIS IS TO CERTIFY, that SUN GLO INDUSTRIES  
of Rexburg, Idaho, has complied with the terms and conditions of Permit  
No. 22-7097 issued pursuant to Application for Permit dated July 15, 1974,  
and has submitted proof to the Department of Water Resources on June 8, 1979,  
that he has applied water to a beneficial use; an examination by the Department indicates that the works have a  
capacity for the diversion of 2.08 cfs of water from a groundwater source,  
tributary to \_\_\_\_\_, and that the permit holder has applied to a beneficial use and  
established a right to use water as follows:

| Beneficial Use    | Period of Use                                                     | Rate of Diversion   | Annual Volume     |
|-------------------|-------------------------------------------------------------------|---------------------|-------------------|
| Domestic (1 unit) | from January 1 to December 31                                     | at .04 cfs          | and 1.2 acre feet |
| Irrigation        | from April 1 to November 30                                       | at .88 cfs          | and 217 acre feet |
| Industrial        | from January 1 to December 31 at _____ cfs (both dates inclusive) | 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 confirmed 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, S. 11E in the County of Madison

Description and location of place of use:

| Twp. | Range | Section | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Totals |
|------|-------|---------|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 6N   | 40E   | 8       |    |    |    |    |    |    |    |    |    |    |    |    | 62     |

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, 19 81.

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

**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 2.0 cfs Method of measurement Theoretical  
2.0 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 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

RECEIVED

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.

ARR

MICROFILMED