

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

R-23-E

18

17

16

15

WELL

5-10-5

Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

SIMPLOT INDUSTRIES, INC.

by Ramachandran
(Applicant) Secretary

MICROFILMED

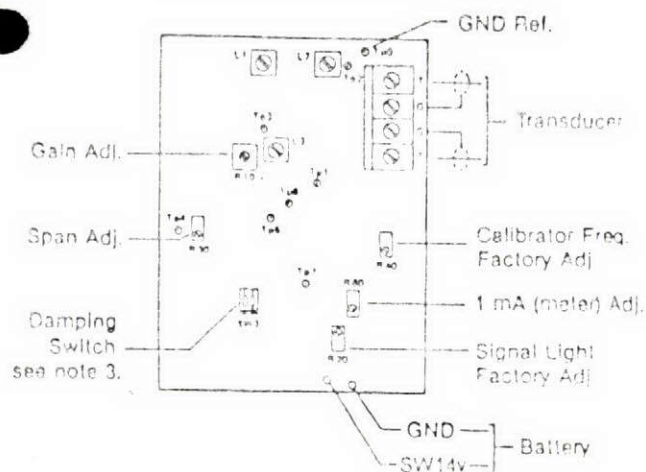
diameters downstream from flow obstructions—recalibrate meter by front cal pot or R60.

3. Reading noise or vibration—stop flow. If meter still reads, turn R10 (Gain Adj.) C.C.W. until meter reads zero.

GENERAL CHECK-OUT

1. Sensitivity Test—check unit for proper option—Independent of flow.
2. Signal Indicator light (SL)—confirms presence of sufficient suspended solids or bubbles. Note: 3 second time delay.

603 COMPONENT BOARD



- NOTES:
1. If output to meter with no flow, adjust R10 C.C.W. to reduce noise. Turn slowly and not further than necessary.
 2. Calibration adjust R50 for field calibration to actual flow or use CAL on front of chassis. Refer to manual for factory calibration.

FPS TO GPM CROSS-REFERENCE (Schedule 40)

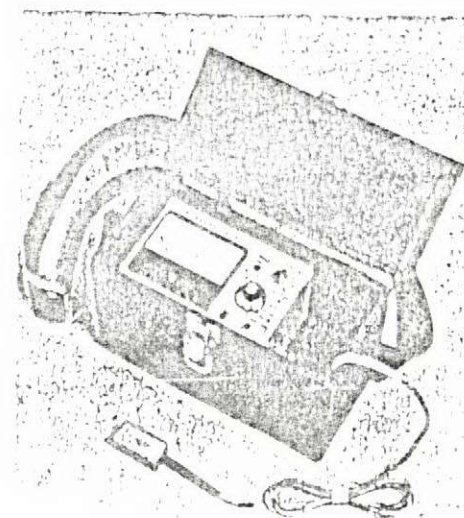
PIPE DIA.	1	1 1/8	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	9	9 1/2	10
1	2.7	4	5.4	6.7	8.1	9.4	10.8	12.1	13.5	14.8	16.1	17.5	18.9	20.2	21.5	22.9	24.3	25.6
1 1/4	4.7	7	9.3	11.6	14	16.3	18.7	21	23.3	25.7	28	30.3	32.7	35	37.3	40	42	44.3
1 1/2	6.3	9.5	12.7	15.8	19	22.3	25.4	28.6	32	35	38	41.2	44.4	47.6	51	54	57	60
2	10.5	16	21	26	31	37	42	47	52	58	63	68	73	78	84	89	94	100
2 1/2	15	22	30	37	45	52	60	67	74	82	89	97	104	112	119	127	134	142
3	23	35	46	58	70	81	92	104	115	127	138	150	161	172	184	196	207	219
3 1/2	31	46.3	62	77	92	106	123	139	154	170	185	200	216	231	247	262	277	293
4	40	60	80	99	120	139	159	179	199	220	238	258	278	298	318	338	357	377
5	62	94	126	156	187	218	250	281	312	343	374	406	437	468	499	530	562	594
6	80.1	115	150	180	215	245	275	305	335	365	395	425	455	485	515	545	575	605
8	155	234	312	390	468	546	624	702	780	858	936	1014	1092	1170	1248	1326	1404	1482
10	246	369	492	615	738	861	984	1107	1230	1353	1475	1598	1722	1845	1968	2091	2214	2337
12	349	524	698	873	1047	1222	1397	1571	1746	1920	2095	2269	2444	2619	2793	2968	3142	3317
14	422	633	844	1055	1266	1477	1689	1900	2110	2321	2532	2744	2955	3166	3377	3588	3799	4010
16	551	827	1102	1378	1654	1929	2205	2481	2756	3032	3308	3583	3859	4134	4410	4686	4961	5237
18	698	1047	1396	1744	2093	2442	2791	3140	3489	3838	4187	4535	4884	5233	5582	5931	6280	6629
20	867	1301	1734	2168	2602	3035	3469	3902	4336	4770	5203	5637	6071	6504	6938	7371	7805	8239
24	1254	1842	2509	3136	3763	4390	5016	5645	6272	6899	7525	8154	8781	9407	10034	10662	11290	11917

EQUATION TO CONVERT FPS TO GPM: $GPM = (PIPE I.D. \times VELOCITY IN FT/SEC. \times 2.45)$

Survey Flowmeter

Model UFT-603

Operation Instructions



Manual 603 OP
Revised 10VR2
Supplement to Series 600
General Instructions
Manual 600 OP



M-C PRODUCTS

Division of Material Control, Inc.
7720 E. Redfield Road • Suite 2
Scottsdale, Arizona 85260
(602) 998-9577 • Call Toll Free 1(800) 227-7701

DOPPLER SURVEY FLOWMETER MODEL UFT-603

GENERAL—The M.C. Products' Doppler Survey Meter is a portable light weight unit which may be carried from pipe to pipe for purposes of spot checking flow. The self-contained battery has a 10 hour life, which will provide service for six months to a year, provided the unit is not energized more than the usual one minute for each flow measurement. This battery is available locally as a 12 volt mercury battery normally used for smoke detectors. An optional rechargeable battery is available. The device measures feet per second in five full scale ranges (i.e.: 1.25, 2.5, 5, 10, and 20 FPS). The great majority of all flows will be less than 10 FPS. A chart is provided which shows the GPM VRS for a particular size of schedule 40 pipe. For proper operation with the UFT-603, 25PPM of suspended solids (30 micron or larger) or bubbles must be present. Acoustical grease must be used between the transducer and the pipe to provide sonic coupling.

CALIBRATION—The calibration pot on the front of the unit allows calibrating the meter for different applications, where required. On the circuit card, pot R40 (cal) provides additional cal range. Without special calibration the calibration pot should always be left on position 0. On applications of 1.25 FPS or less with range switch in LF (1.25FPS F.S.) position, set calibration pot to LF, position 1. The flowmeter will be suitable for $\pm 5\%$ accuracy for most applications. Some characteristics such as porosity of cast iron pipe walls, particles less than 30 microns, solids over 1% and turbulence, can cause the unit reduced accuracy. However, the repeatability is not affected. If a known flow measurement is available, the calibration pot on the unit may be turned so that the meter indicates the desired flow rate in FPS. For that particular application in the future the same calibration number would be employed. If less than the specified solids or bubbles are present, the flowmeter will not perform to specifications. A built-in calibration reference will deflect the flow indicator meter full scale (F.S.) with the calibration pot in position 0 and range switch in Ref. F.S. position.

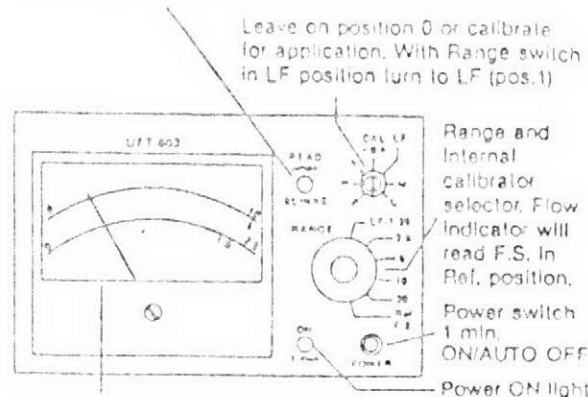
SURVEY FLOWMETERS

FACTORY CALIBRATION—The device is calibrated at the factory by an electronic method, which is found in the general O & M manual, 600 OP. Factory calibration for a special application can be performed by providing the required data on the Flow Application Data Sheet.

UFT-603 CHASSIS

MODEL UFT-603 SURVEY FLOW METER (w/o case)

Signal Light (SL) blinks continuously after 3 sec. If sufficient solids or bubbles are present. If light blinks w/o taking measurements battery may be low. See Trouble Shooting note A1.



Flow Indicator Read scale per corresponding range selection

NOTES:

1. Factory calibrated for water based liquid, with solids between 25 PPM and 1%.
2. SL light must blink continuously, showing greater than 25 PPM solids for proper operation.
3. Range Switch to Ref. F.S. shows proper cal and battery OK if F.S.
4. Flow indicator damping switch SW3 on circuit card:

SW position	1	2	TIME (sec.)
OPEN	OPEN	5	
ON	ON	10	
OPEN	ON	17	
ON	ON	25	

5. Convert FPS to GPM by chart.

OPERATION—For proper operation the following steps must be taken:

1. There must be an acoustic couplant between the transducer face and the pipe in order to inject the sonic ultrasonic energy into the pipe. Any air interface would prevent this. This couplant is usually silicone grease (which is usually used for high temperature applications over 150°F). In addition, silicone rubber may be used if the device is intended to be left at a particular location for sometime. The transducer may be hand held to the pipe or secured by a simple pipe clamp. One pound force is all that is required.
2. The system should not be used on systems where the pipe is partially full, since it will provide incorrect volumetric flow data.

3. The transducer location normally should be on a vertical pipe or, if on a horizontal pipe, should be located other than at the extreme top or bottom, where either air bubbles or heavy solids could be located. Ninety degrees from the top is the favored location.
4. There must be 25 PPM or greater, of 30 micron or larger, particles or suspended air bubbles. The device will operate off turbulence, such as a pump discharge, however, it will read the local velocity which may not be representative of the average flow profile. Turbulence may not be linear with flow.
5. It must be remembered that the unit measures velocity at the transducer location. Locating the transducer near the outside of an elbow, or downstream of some projection, will read a velocity of flow which is not usually the average velocity vector required in volumetric flow determination. Therefore, the transducer should be located downstream at least 8 diameters and upstream 4 diameters from any projections or disturbances.

TROUBLE SHOOTING

A. Meter fails to indicate

1. Battery not turned on, notice power light. If light is very dim, or if SL light blinks without taking measurements, battery may be low. Replace if less than 9 volts when turned on.
2. Insufficient suspended solids or bubbles in the liquid stream—poor application.
3. Sensitivity Test—Flowmeter out of alignment. A good check for sensitivity is to hold transducer active face about 1/2 inch above and parallel to a flat surface and move it toward and away, about 1/2 to 1 inch, at about 2 cycles/sec. This should cause an upscale reading of about 2 FPS on scale, on 10 FPS range. This method insures proper alignment and operation. If this does not occur adjust Pot R10 (GAIN) about 1/4 turn SW to increase sensitivity.
4. Signal light (SL) not blinking, solids level in liquid too low.

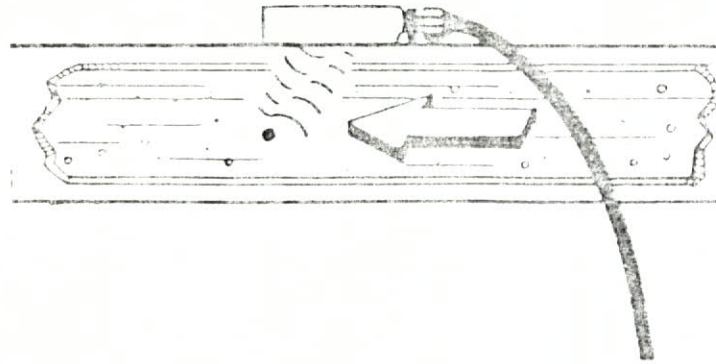
B. Meter reads flow (usually less than 1 FPS) when it should not:

1. Unit is energizing off noise or vibration. Turn pot R10 C.C.W. This will reduce the sensitivity of the unit and decrease the effect of noise. Do not turn more than necessary or reduced sensitivity may prevent operation. Perform sensitivity test in A-3 above to insure proper operation.

C. Meter reads inaccurately:

1. Verify other flow measurement is accurate.
2. Check location of transducer to be at least 8

FLOWMETER



Principle of Operation

The basic principle of flow instrumentation employs the frequency shift (Doppler Effect) of an ultrasonic signal reflected by suspended particles or gas bubbles (discontinuities). This metering technique utilizes the physical phenomenon of a sound wave changing frequency when it is reflected by moving discontinuities in a flowing liquid. Ultrasonic sound is transmitted into a pipe with flowing liquids. These flowing liquids with discontinuities reflect the ultrasonic wave with a slightly different frequency; the frequency difference being directly proportional to the flow of the liquid.

The system incorporates a Transmitter/Indicator/Totalizer and a Transducer. The Transducer is mounted on the exterior of the pipe. It receives electronic impulses from the Transmitter through an interconnecting cable. The Transducer generates an ultrasonic signal which it transmits through the pipe into the flowing liquids. It simultaneously receives an ultrasonic signal reflected from the particles in this flowing liquid. The Transmitter measures the difference between its output and input frequency and converts this different frequency into electronic pulses which are processed for an analog indication and a 4-20 ma output. Additionally the pulses are scaled and totalized for flow quantity in gallons.

The Transmitter circuitry is capable of accommodating a wide variety of liquids, pipe size, composition and pipe liners.

The Transmitter also incorporates an unique circuit which allows adjustment of the signal threshold. This permits almost complete elimination of undesirable ambient noises (both mechanical and electrical) without decreasing the signal to noise ratio. As a result, instrumentation is possible in a variety of locations subject to high levels of sonic, mechanical and electrical noise.

Unique Transducers

The very heart of the Flowmeter is the unique Transducer. It is capable of sensing and transducing a flow of liquid with only 25 (5 ppm with clear water option) parts per million of suspended solids or entrained bubbles, 30 micron or larger.

Flow instrumentation is possible for almost any type of pipe either lined or unlined. The only requisite is adequate transmission through the pipe and liner of the ultrasonic pulses.

The clamp-on type Transducer is encapsulated in a rugged metal housing. However, it is acoustically insulated from this housing to isolate it from pipe vibrations and other ambient noises. The Transducer can be installed easily to the pipe by means

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
RECEIVED
FEB 24 1983
Department of Water Resources

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant J. R. Simplot Co. Phone 336-2110
Simplot Industries, Inc.
Post office address P.O. Box 27, Boise, ID 83702 ATTN: R. N. Graves
2. Source of water supply Snake River which is a tributary of Columbia River*
3. Location of point of diversion is SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 16 Township 10S
Range 23E B.M. Cassia County, additional points of diversion if any: _____
*kw 1/23/1986

4. Water will be used for the following purposes:

Amount 1.60 cfs for Industrial purposes from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 1.60 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. 75 hp. pump, 8" pipe

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 1 years (minimum 1 year - maximum 5 years).

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 16 Township 10S
Range 23E B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

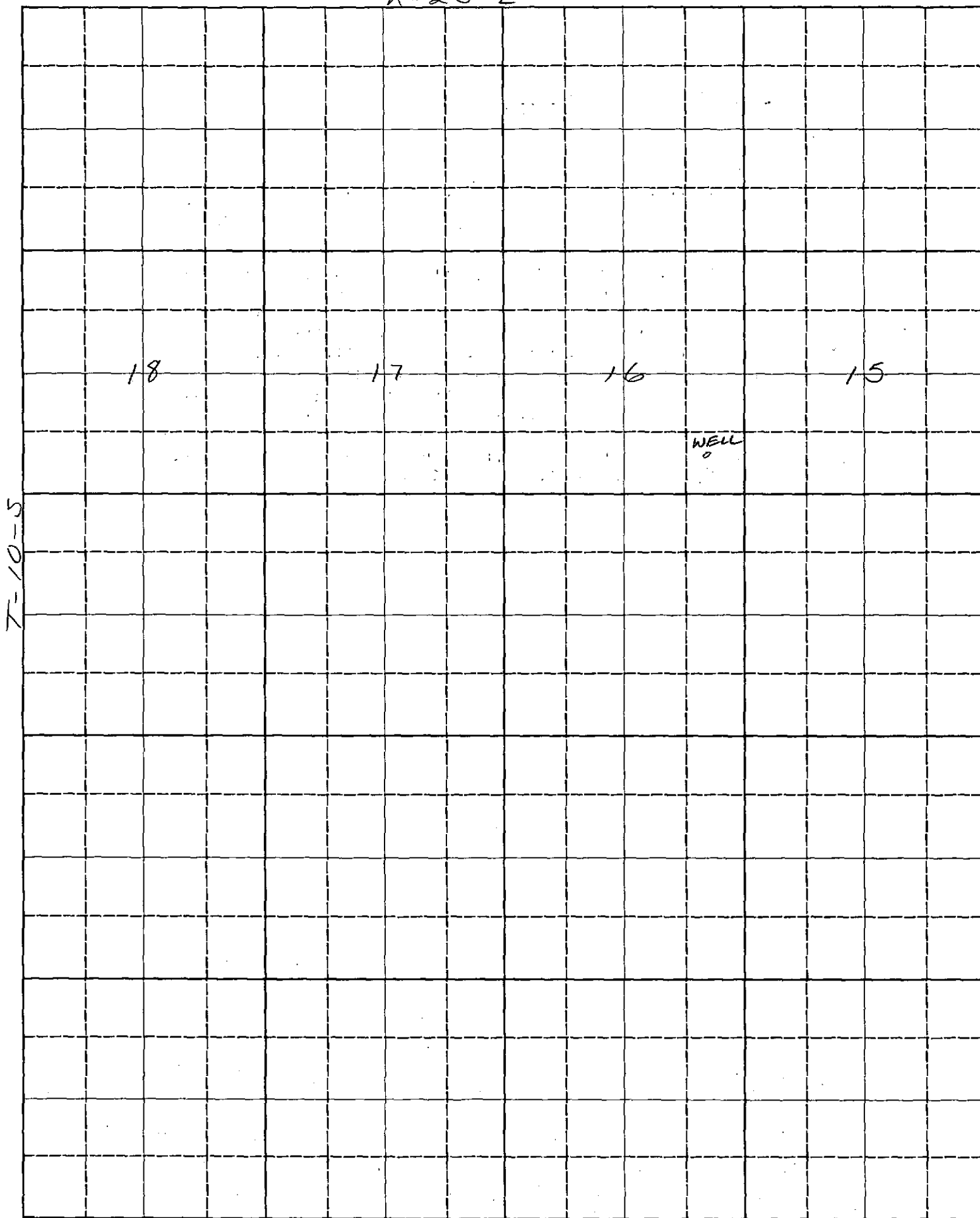
(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.

(5) If water is to be used for other purposes describe: Industrial--pumps water from river
to silt pond, pollution control

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.

R-23-E



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

SIMPLLOT INDUSTRIES, INC.

by Ronald G. Grooms
(Applicant) Secretary

MICROFILMED

MICROFILMED

Proposed Priority 2/24/83 marja 3/3/83 11:30 a
Received by see Date 2/24/83 Time 9:00
Preliminary check by ADM Fee \$ 65⁰⁰
Receipted by rg Date 2-24-83 # 25943
Publication prepared by marja Date 12/10/85
Published in South Idaho Press
Publication dates 12/19 & 12/26/85
Publication approved marja Date 12/18/85
Protests filed by: None

Copies of protests forwarded by _____
Hearing held by _____ Date _____
Recommended for approval denial by ADM kw

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 01-7082, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before February 1, 19 87.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. Other:
 - A measuring device and lockable controlling works of a type acceptable to the Department shall be permanently installed and maintained as part of the diverting works.
 - Return water shall be treated to insure that the effluent meets Idaho Water Quality Standards.
 - Water shall not be diverted under this permit unless the flow of the Snake River exceeds established downstream minimum stream flows.
 - Consumptive use of water under this permit shall not exceed 2.0 acre feet per day.
 - Use of water under this permit is subject to control by the watermaster of State Water District No. 01, Snake River.
 - No water may be diverted under this permit until adequate supplemental water is obtained for the irrigation season when the natural flow is not available.

Witness my hand this 5th day of February, 1986.


Chief, Operations Bureau

RECEIVED

AUG 1 1985

Department of Water Resources

FILED
IN THE OFFICE OF THE
SECRETARY OF STATE OF
STATE OF NEVADA

CERTIFICATE OF OWNERSHIP AND MERGER
INCLUDING ARTICLES OF MERGER

FEB 27 1985

Merging

BRACEMAN - SECRETARY OF STATE

SIMPLOT INDUSTRIES, INC.

01-7082

into

J. R. SIMPLOT COMPANY

(Pursuant to Section 78.486 of the Nevada Revised Statutes
and 16-10-70 of the Utah Business Corporation Act.)

J. R. SIMPLOT COMPANY, a corporation organized and
existing under the laws of Nevada, the parent corporation, does
hereby certify:

FIRST: That this corporation was incorporated on the
28th day of June, 1955, pursuant to the laws of the State of
Nevada.

SECOND: The number of outstanding shares of each
class of SIMPLOT INDUSTRIES, INC., a Utah corporation, and the
number of shares of each class owned by J. R. SIMPLOT COMPANY
are as follows:

<u>Names of Subsidiary</u>	<u>Number of Shares Outstanding</u>	<u>Designation of Class</u>	<u>Number of Shares Owned by J. R. Simplot Company</u>
Simplot Industries, Inc.	10	Common	10

THIRD: That this corporation, by resolution of its
board of directors, duly adopted the following Plan of Merger,
at a meeting held on the 15th day of February, 1985, and deter-
mined to merge into itself said SIMPLOT INDUSTRIES, INC. at the
Effective Time which resolution is in the following words
to-wit:

NOW, THEREFORE, be it resolved that J. R. SIMPLOT COMPANY
merge, and it hereby does merge into itself said SIMPLOT
INDUSTRIES, INC. and assumes all of its obligations, at the
Effective Time; under the following terms and conditions:

A. BE IT RESOLVED that effective as of the close of busi-
ness on the 28th day of February, 1985, (the Effective
Time), SIMPLOT INDUSTRIES, INC. shall be and it is hereby
merged into J. R. SIMPLOT COMPANY, with the effect and
result that the existence of SIMPLOT INDUSTRIES, INC. shall

01-7082

VICROFILMED

cease and J. R. SIMPLOT COMPANY shall continue in existence as the surviving corporation.

B. BE IT RESOLVED that all of the provisions contained in the Articles of Incorporation, as amended, and the By-Laws of J. R. SIMPLOT COMPANY shall remain in force and effect and shall not be deemed altered or amended hereby, and that the laws of the State of Nevada shall continue to govern the surviving corporation.

C. BE IT RESOLVED that the present members of the Board of Directors of J. R. SIMPLOT COMPANY shall continue to hold office during the remainder of the term to which they are elected and until their successors are elected and duly qualified.

D. BE IT RESOLVED that at the Effective Time, all of the property, real, personal or mixed, and all of the assets of SIMPLOT INDUSTRIES, INC. wherever located, shall be deemed automatically transferred to and become vested in J. R. SIMPLOT COMPANY as the surviving corporation, without any further act or deed or instrument of transfer of conveyance for the accomplishment thereof; and whereupon, further, J. R. SIMPLOT COMPANY shall assume and become liable for payment of all of the existing indebtedness and obligations of SIMPLOT INDUSTRIES, INC., including the obligations to perform existing agreements without any special act or assumption of liability for those obligations.

E. BE IT RESOLVED that in as much as SIMPLOT INDUSTRIES, INC. is a wholly-owned subsidiary of J. R. SIMPLOT COMPANY and is being merged into its parent corporation, no additional capital stock of J. R. SIMPLOT COMPANY will be issued upon or as a part of said merger; and after the Effective Time each certificate or certificates theretofore representing issued and outstanding shares of the Capital Stock of SIMPLOT INDUSTRIES, INC. shall be deemed cancelled.

F. BE IT RESOLVED that notwithstanding any action taken with respect to the merger by the Directors of J. R. SIMPLOT COMPANY or SIMPLOT INDUSTRIES, INC. or both, and notwithstanding anything herein or elsewhere to the contrary, the merger may be abandoned at any time prior to the filing thereof by the adoption of a resolution providing for such abandonment by the Board of Directors of J. R. SIMPLOT COMPANY.

G. BE IT RESOLVED that the Executive Vice President and Secretary of this corporation be and they hereby are directed to make and execute, under the corporate seal of this corporation, a certificate of ownership and merger setting forth a copy of the resolution to merge said SIMPLOT INDUSTRIES, INC. and assume its liabilities and obligations, and to file the same in the office of the Secretary of State of Nevada and the Secretary of State of Utah; and

H. BE IT FURTHER RESOLVED that the officers of this corporation be and they hereby are authorized and directed to do all acts and things whatsoever, whether within or without the States of Nevada and Utah which may be necessary or proper to effect said merger.

MICROFILMED

FOURTH: That this corporation survive the merger and may be served with process in the States of Nevada and Utah in any proceeding for enforcement of any obligation of SIMPLOT INDUSTRIES, INC. as well as for enforcement of any obligation of the surviving corporation arising from the merger.

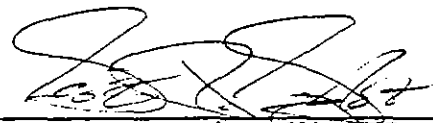
FIFTH: The undersigned corporation hereby (a) agrees that it may be served with process in the State of Utah in any proceeding for the enforcement of the rights of a dissenting shareholder of the above-mentioned subsidiary corporation against the surviving corporation; (b) irrevocably appoints the Secretary of State of Utah as its agent to accept service of process in any such proceeding; and (c) agrees that it will promptly pay to the dissenting shareholders of such domestic corporation the amount, if any, to which they shall be entitled under the provisions of the Utah Business Corporation Act with respect to the rights of dissenting shareholders.

SIXTH: The mailing of Notice of said Plan and Agreement of Merger was waived by the shareholders of SIMPLOT INDUSTRIES, INC. on February 15, 1985.

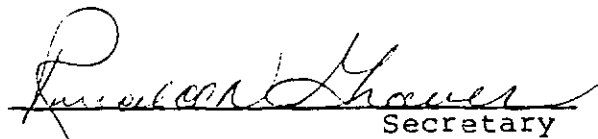
IN WITNESS WHEREOF, said J. R. SIMPLOT COMPANY has caused its corporate seal to be affixed and this certificate to be signed by Scott R. Simplot, its Executive Vice President and Ronald N. Graves, its Secretary this 15th day of February, 1985.

J. R. SIMPLOT COMPANY

By


Its Executive Vice President

ATTEST:


Secretary

MICROFILMED

STATE OF IDAHO)
) ss
County of Ada)

I, Laurel J. Walker, a notary public, do hereby certify that on this 15th day of February, 1985, personally appeared before me Scott R. Simplot, who, being by me first duly sworn, declared that he is the Executive Vice President of J. R. SIMPLOT COMPANY, that he signed the foregoing document as Executive Vice President of the Corporation, and that the statements therein contained are true.

Laurel J. Walker
Notary Public for Idaho
Residing at Boise, Idaho
My Commission Expires: 5/30/87

UNRECORDED

SOUTH IDAHO PRESS
BURLEY, IDAHO

AFFIDAVIT OF PUBLICATION

County of Cassia,)
STATE OF IDAHO) ss.

Marge Barendregt being first
duly sworn, deposes and says that...he is the

Clerk of the South Idaho
Press, a daily newspaper published at Bur-
ley, Idaho, in the county aforesaid and that
the paper is of general circulation therein.
Deponent further states that the printed no-
tice attached hereto was duly published
according to law in the regular editions of

The South Idaho Press for (2) two
consecutive weeks, commencing with the issue
dated Dec 19 1985, and ending
with the issue dated Dec 26, 1985

Marge Barendregt

Subscribed and sworn to before me

this 8th day of Jan
1986

City Staker Notary Public
Cost of Publication 30.80
Notary Fee .50
Total Cost 31.30

RECEIVED

JAN 9 1986

Department of Water Resources
SANDY BURTON, Clerk

85-491

NOTICE OF APPLICATION FOR
WATER RIGHT

Notice is hereby given that the following ap-
plication (s) have been submitted for permit to
appropriate the public waters of the State of
Idaho:

45-7552

TURNER, BRUCE B.
WATER CANYON NO. 13, DECLD, ID 83323

Source: GROUNDWATER

Date Filed: 07/19/1983

Diversion Pt: SESW Sec 14 T 11S R 24E

Use: IRRIGATION (0.20 CFS)

DOMESTIC (0.08 CFS)

In: SWSW SWSE Sec 14 T 11S R 24E NWNE NENW

NWNW Sec 23 T 11S R 24E FOR 10 ACRES

01-7082

J.R. SIMPLOT COMPANY

P.O. BOX 27, BOISE, ID 83707

Source: SNAKE RIVER TRIB to COLUMBIA RIVER

Date Filed: 02/24/1983

Diversion Pt: SESE Sec 16 T 10S R 23E

Use: INDUSTRIAL (1.60 CFS)

In: SESE Sec 16 T 10S R 23E

If issued the permit(s) will be subject to all
prior water rights. Protests against the granting
of any permit must be filed with the Director of
the Idaho Department of Water Resources, 1041
Blue Lakes Blvd. North, Twin Falls, Idaho,
83301 and received on or before January 6,
1985.

A. KENNETH DUNN, Director

Published in the South Idaho Press on
December 19 and 26, 1985.

MICROFILMED

ok
Marge

MEMORANDUM

TO: File 01-7082

FROM: Sharla

DATE: May 29, 1991

RE: Returned Field Exam

On this date, the field exam report for the above referenced file was returned to the region. According to the date proof of beneficial use was filed for this right, an adjudication claim is needed and has not yet been filed.

The region will solicit the claim and based upon response, either the field exam will be returned with the claim after being reviewed by the region for discrepancies, or the right will be disallowed in the Director's Report for failure of the holder to submit the claim.



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 -(208) 327-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

May 30, 1990

Vic Conrad
J.R. Simplot Co.
P.O. Box 27
Boise, ID 83703

RE: Permit NO. 01-7082

Dear Vic:

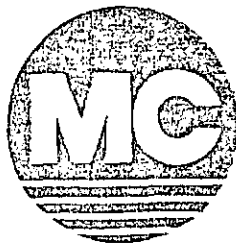
In reviewing the above permit for possible licensing I found that the use represented by this permit is covered by an existing statutory claim. After bringing this to your attention you investigated the matter and concurred with this finding and expressed an interest in having the permit dismissed. We discussed the possibility of your firm voluntarily relinquishing the permit since that would be the most expedient way to dissolve the filing.

Enclosed is a relinquishment form which you may complete and return to the Department at your earliest convenience. I appreciate your cooperation in this matter.

As always, please feel free to contact me directly at 327-7864 if you have further questions.

Sincerely,

Tim Luke
Sr. Water Resource Agent



M-C PRODUCTS

7720 E. Redfield Rd ■ Suite 2, Scottsdale, Arizona 85260
Phone: (602) 998-9577

M-C PRODUCTS SERIES 600 STATIONARY FLOWMETER WITH CW OPTION

MODIFIED OPERATING INSTRUCTIONS FOR THE UFT-603 with the CW option.

GENERAL - With the new CW option the 600 Series is modified to allow operations in virtually any liquid with at least 5 PPM of suspended particulate or bubbles At 30 microns or larger. For operation in clean liquids the sound waves are reflected off the particulate and will operate with essentially any liquid with a velocity greater than 1 FPS.

MODIFICATIONS - The following modifications to the Series 600 operating manual are effective.

1. An additional red noise light is added which informs the operator how to set up an initial sensitivity. The reading should be disregarded when the red NOISE light is on.
2. CAL pot is replaced with a sensitivity (sens) adjustment.
- ③ A second transducer is added requiring two transducers for each measurement. They should be positioned 180° apart facing each other or in the event of a very large pipe this is impractical, then position 90° apart. The transducers may be either hand-held or clamped on the pipe, and must be used with sonic coupling grease, supplied.

OPERATIONS - The 600-CW is utilized by adjusting the sensitivity (sens) adjustment from a minimum counter-clockwise position, turning clockwise until the red NOISE light is off. Turn slowly due to the time response of several seconds. Any reading with the NOISE light constantly on should be disregarded. Occasional blinking of the red noise light is a normal condition and as long as a signal is in a steady state, the flow reading should be considered valid.

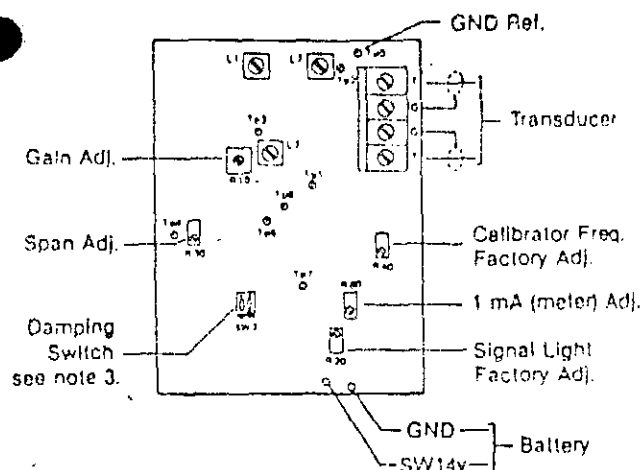
diameters downstream from flow obstructions—recalibrate meter by front cal pot or R60.

3. Reading noise or vibration—stop flow. If meter still reads, turn R10 (Gain Adj.) C.C.W. until meter reads zero.

GENERAL CHECK-OUT

1. Sensitivity Test—check unit for proper option—Independent of flow.
2. Signal Indicator light (SL)—confirms presence of sufficient suspended solids or bubbles. Note: 3 second time delay.

603 COMPONENT BOARD



- NOTES:
1. If output to meter with no flow, adjust R10 C.C.W. to reduce noise. Turn slowly and not further than necessary.
 2. Calibration adjust R60 for field calibration to actual flow or use CAL on front of chassis. Refer to manual for factory calibration.

FPS TO GPM CROSS-REFERENCE (Schedule 40)

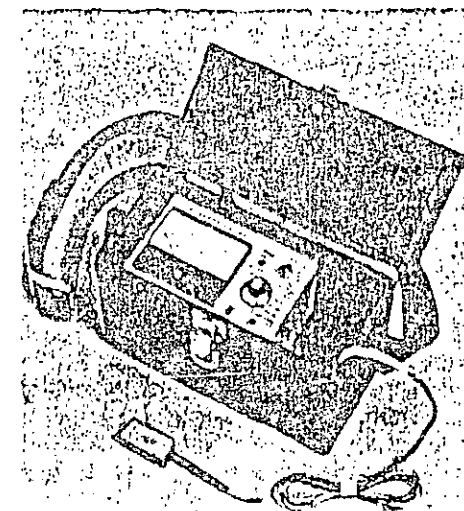
PIPE DIA.	1	1 1/8	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10
1	2.7	4	5.4	6.7	8.1	9.4	10.8	12.1	13.5	14.8	16.1	17.5	18.9	20.2	21.5	22.9	24.3	25.6	27		
1 1/8	4.7	7	9.3	11.6	14	16.3	18.7	21	23.3	25.7	28	30.3	32.7	35	37.3	40	42	44.3	46.6		
1 1/4	6.3	9.5	12.7	15.8	19	22.3	25.4	28.8	32	35	38	41.2	44.4	47.6	51	54	57	60	63.4		
2	10.3	16	21	26	31	37	42	47	52	58	63	68	73	78	84	89	94	99	105		
2 1/2	15	21	28	35	42	50	57	65	73	81	89	97	104	112	119	127	134	142	149		
3	23	35	46	58	70	82	94	106	118	130	142	154	166	178	189	200	211	221	231		
3 1/2	31	44.3	57	71	84	97	110	123	136	149	162	175	188	200	212	224	236	247	258		
4	40	60	79	99	120	139	159	178	197	216	235	254	273	292	311	330	349	367	387		
5	62	94	125	156	187	218	249	280	311	342	373	404	435	466	497	528	559	590	621		
6	80.1	135	180	225	270	315	360	405	450	495	540	585	630	675	720	765	810	855	900		
8	135	234	312	390	468	546	624	702	780	858	936	1014	1092	1170	1248	1326	1404	1482	1560		
10	244	369	492	615	738	861	984	1107	1230	1353	1476	1599	1722	1845	1968	2091	2214	2337	2460		
12	349	524	698	873	1047	1222	1397	1571	1746	1920	2095	2269	2444	2619	2793	2968	3142	3317	3492		
14	422	633	844	1055	1266	1477	1689	1900	2110	2321	2532	2744	2955	3166	3377	3588	3799	4010	4221		
16	551	827	1102	1378	1654	1929	2205	2481	2758	3034	3310	3586	3862	4138	4414	4690	4966	5242	5518		
18	696	1047	1396	1744	2093	2442	2791	3140	3489	3838	4187	4535	4884	5233	5582	5931	6280	6629	6978		
20	867	1301	1734	2168	2602	3035	3469	3902	4336	4770	5203	5637	6071	6504	6938	7371	7805	8239	8672		
24	1254	1842	2509	3136	3763	4390	5015	5645	6272	6899	7526	8154	8781	9407	10034	10662	11290	11917	12544		

EQUATION TO CONVERT FPS TO GPM $GPM = (PIPE\ DIA.)^2 \times VELOCITY\ IN\ FT/SEC. \times 2.45$

Survey Flowmeter

Model UFT-603

Operation Instructions



Manual 603 Op
Revised 10/82
Supplement to Series 600
General Instructions
Manual 600 Op



M-C PRODUCTS

Division of Material Control, Inc.
7720 E. Redfield Road • Suite 2
Scottsdale, Arizona 85260
(602) 928-9577 • Call Toll Free 1 (800) 227-7701

DOPPLER SURVEY FLOWMETER MODEL UFT-603

GENERAL—The M-C Products' Doppler Survey Meter is a portable light weight unit which may be carried from pipe to pipe for purposes of spot checking flow. The self-contained battery has a 10 hour life, which will provide service for six months to a year, provided the unit is not energized more than the usual one minute for each flow measurement. This battery is available locally as a 12 volt mercury battery normally used for smoke detectors. An optional rechargeable battery is available. The device measures feet per second in five full scale ranges (i.e.: 1.25, 2.5, 5, 10, and 20 FPS). The great majority of all flows will be less than 10 FPS. A chart is provided which shows the GPM VRS for a particular size of schedule 40 pipe. For proper operation with the UFT-603, 25PPM of suspended solids (30 micron or larger) or bubbles must be present. Acoustical grease must be used between the transducer and the pipe to provide sonic coupling.

CALIBRATION—The calibration pot on the front of the unit allows calibrating the meter for different applications, where required. On the circuit card, pot R40 (cal) provides additional cal range. Without special calibration the calibration pot should always be left on position 0. On applications of 1.25 FPS or less with range switch in LF (1.25FPS F.S.) position, set calibration pot to LF, position 1. The flowmeter will be suitable for $\pm 5\%$ accuracy for most applications. Some characteristics such as porosity of cast iron pipe walls, particles less than 30 microns, solids over 1% and turbulence, can cause the unit reduced accuracy. However, the repeatability is not affected. If a known flow measurement is available, the calibration pot on the unit may be turned so that the meter indicates the desired flow rate in FPS. For that particular application in the future the same calibration number would be employed. If less than the specified solids or bubbles are present, the flowmeter will not perform to specifications. A built-in calibration reference will deflect the flow indicator meter full scale (F.S.) with the calibration pot in position 0 and range switch in Ref. F.S. position.

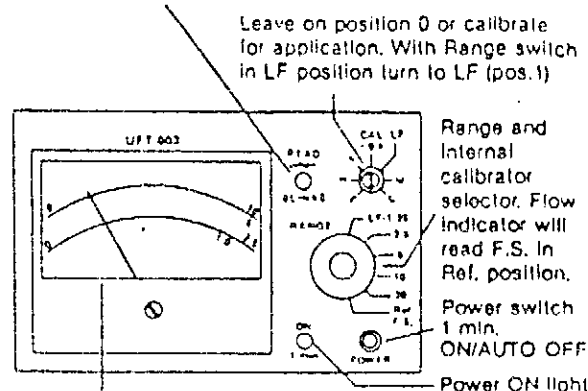
SURVEY FLOWMETERS

FACTORY CALIBRATION—The device is calibrated at the factory by an electronic method, which is found in the general O & M manual, 600 OP. Factory calibration for a special application can be performed by providing the required data on the Flow Application Data Sheet.

UFT-603 CHASSIS

MODEL UFT-603 SURVEY FLOW METER (w/o case)

Signal Light (SL) blinks continuously after 3 sec. If sufficient solids or bubbles are present, if light blinks w/o taking measurements battery may be low. See Trouble Shooting note A1.



Flow Indicator Read scale per corresponding range selection

NOTES:

1. Factory calibrated for water based liquid, with solids between 25 PPM and 1%.
2. SL light must blink continuously, showing greater than 25 PPM solids for proper operation.
3. Range Switch to Ref. F.S. shows proper cal and battery OK if F.S.
4. Flow indicator damping switch SW3 on circuit card:

SW position	1	2	TIME (sec.)
OPEN	OPEN	5	
ON	OPEN	10	
OPEN	ON	17	
ON	ON	25	

5. Convert FPS to GPM by chart.

OPERATION—For proper operation the following steps must be taken:

1. There must be an acoustic couplant between the transducer face and the pipe in order to inject the sonic ultrasonic energy into the pipe. Any air interface would prevent this. This couplant is usually silicone grease (which is usually used for high temperature applications over 150°F). In addition, silicone rubber may be used if the device is intended to be left at a particular location for sometime. The transducer may be hand held to the pipe or secured by a simple pipe clamp. One pound force is all that is required.
2. The system should not be used on systems where the pipe is partially full, since it will provide incorrect volumetric flow data.

3. The transducer location normally should be on a vertical pipe or, if on a horizontal pipe, should be located other than at the extreme top or bottom, where either air bubbles or heavy solids could be located. Ninety degrees from the top is the favored location.
4. There must be 25 PPM or greater, of 30 micron or larger, particles or suspended air bubbles. The device will operate off turbulence, such as a pump discharge, however, it will read the local velocity which may not be representative of the average flow profile. Turbulence may not be linear with flow.
5. It must be remembered that the unit measures velocity at the transducer location. Locating the transducer near the outside of an elbow, or downstream of some projection, will read a velocity of flow which is not usually the average velocity vector required in volumetric flow determination. Therefore, the transducer should be located downstream at least 8 diameters and upstream 4 diameters from any projections or disturbances.

TROUBLE SHOOTING

A. Meter fails to indicate

1. Battery not turned on, notice power light. If light is very dim, or if SL light blinks without taking measurements, battery may be low. Replace if less than 9 volts when turned on.
2. Insufficient suspended solids or bubbles in the liquid stream—poor application.
3. **Sensitivity Test**—Flowmeter out of alignment. A good check for sensitivity is to hold transducer active face about 1/2 inch above and parallel to a flat surface and move it toward and away, about 1/2 to 1 inch, at about 2 cycles/sec. This should cause an upscale reading of about 2 FPS on scale, on 10 FPS range. This method insures proper alignment and operation. If this does not occur adjust Pot R10 (GAIN) about 1/4 turn SW to increase sensitivity.
4. Signal light (SL) not blinking, solids level in liquid too low.

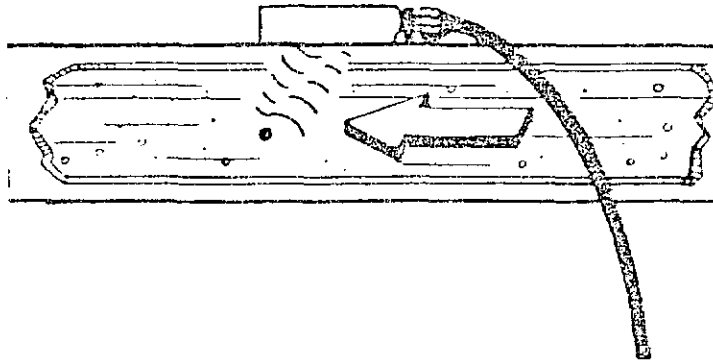
B. Meter reads flow (usually less than 1 FPS) when it should not

1. Unit is energizing off noise or vibration. Turn pot R10 C.C.W. This will reduce the sensitivity of the unit and decrease the effect of noise. Do not turn more than necessary or reduced sensitivity may prevent operation. Perform sensitivity test in A-3 above to insure proper operation.

C. Meter reads inaccurately:

1. Verify other flow measurement is accurate.
2. Check location of transducer to be at least 8

FLOWMETER



Principle of Operation

The basic principle of flow instrumentation employs the frequency shift (Doppler Effect) of an ultrasonic signal reflected by suspended particles or gas bubbles (discontinuities). This metering technique utilizes the physical phenomenon of a sound wave changing frequency when it is reflected by moving discontinuities in a flowing liquid. Ultrasonic sound is transmitted into a pipe with flowing liquids. These flowing liquids with discontinuities reflect the ultrasonic wave with a slightly different frequency; the frequency difference being directly proportional to the flow of the liquid.

The system incorporates a Transmitter/Indicator/Totalizer and a Transducer. The Transducer is mounted on the exterior of the pipe. It receives electronic impulses from the Transmitter through an interconnecting cable. The Transducer generates an ultrasonic signal which it transmits through the pipe into the flowing liquids. It simultaneously receives an ultrasonic signal reflected from the particles in this flowing liquid. The Transmitter measures the difference between its output and input frequency and converts this different frequency into electronic pulses which are processed for an analog indication and a 4-20 ma output. Additionally the pulses are scaled and totalized for flow quantity in gallons.

The Transmitter circuitry is capable of accommodating a wide variety of liquids, pipe size, composition and pipe liners.

The Transmitter also incorporates an unique circuit which allows adjustment of the signal threshold. This permits almost complete elimination of undesirable ambient noises (both mechanical and electrical) without decreasing the signal to noise ratio. As a result, instrumentation is possible in a variety of locations subject to high levels of sonic, mechanical and electrical noise.

Unique Transducers

The very heart of the Flowmeter is the unique Transducer. It is capable of sensing and transducing a flow of liquid with only 25 (5 ppm with clear water option) parts per million of suspended solids or entrained bubbles, 30 micron or larger.

Flow instrumentation is possible for almost any type of pipe either lined or unlined. The only requisite is adequate transmission through the pipe and liner of the ultrasonic pulses.

The clamp-on type Transducer is encapsulated in a rugged metal housing. However, it is acoustically insulated from this housing to isolate it from pipe vibrations and other ambient noises. The Transducer can be installed easily to the pipe by means

Of an adjustable pipe clamp and an epoxy adhesive selected for its ultrasonic acoustical characteristics. The Transducer is so sensitive that hand held applications for survey instrumentation requires only silicone grease. The TL Flowtube Transducers are available in any metal or plastic.

A Word About Accuracy

Without Field Calibration

The accuracy of a flowmeter operating on the Doppler principle, is mainly a characteristic of flow velocity profile integration by the ultrasonic wave. The ability to do this is basically a function of: percent sound reflectors (solids and bubbles), their size, variation, distribution, line size, and the flowmeter design features. Therefore it is unrealistic to state a general accuracy without full application details and Transducer selection.

With Field Calibration

The Accuracy with a field flow calibration is $\pm 1\%$ plus the accuracy of the flow calibration on the actual application at given conditions.

Application

There are four major areas of application where M-C PRODUCTS Flow Instrumentation excels.

Survey or Portable Measurement: Any instrumentation that does not warrant a permanent installation.

Avoiding System Penetration: Where it is not desirable to invade the system or process for flow measurement.

Small Lines: Where standard methods are unsuitable.

Low Cost: Where initial purchase price and installation cost must be kept low.

A partial listing of successful applications:

Sewage	*Chilled Water	Coal Slurry
Waste Water	*Lube Oil	Caustics
Sludge	*Fuel Oil	Acids
Slurries	*Cooling Water	Flow Survey
Paper/Pulp	Coal Dust	Pump Protection
		*Require -CW option

4/86 RECEIVED

FEB 9 1987

Department of Water Resources
Eastern District Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EXAMINATION FEE INFORMATION

For Office Use Only
 Fee Received 12500
 Date 2-9-87
 Receipt # 41040
 Receipt by JMD
 Sent to S.O.

RECEIVED

FEB 27 1987

1. Permit No. 01-7082

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE. Department of Water Resources

☒ I choose to have the department make the field examination of this permit; attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: J.R. Simplot Company

3. Post Office Address: P.O. Box 27, Boise, Idaho 83707

Telephone No. (208) 336-2110

4. Source of Water: Snake River

5. Extent of Use:

Domestic	(No. of households)	Stockwater	(No. and type of stock)
----------	---------------------	------------	-------------------------

Irrigation	(acres)	Other/Remark	Industrial
------------	---------	--------------	------------

6. Total rate &/or volume for which proof is submitted 1.6 cfs acre-feet

7. Show the date water was first diverted and beneficially used under this permit:

February 24, 1983

8. Person to contact to accompany the department representative during the field examination:

Dave Landon

(Name)

P.O. Box 130

Burley, Idaho 83318

(208) 678-3571

(Address)

(Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

J. R. SIMPLOT COMPANY

February 5, 1987
Date

By James E. Harris Secretary
Signature of Permit Holder (and title, if appropriate)

copy retained

State of Idaho

Department of Water Resources

LICENSE EXAMINATION FEE SCHEDULE

(c.f.s. = cubic feet per second
AF = acre feet)

cfs	AF	Fee
0 - 0.04	0 - 4	\$ 0
.05 - 0.20	5 - 20	50.00
.21 - 1.0	21 - 100	100.00
1.01 - 2.0	101 - 200	125.00
2.01 - 3.0	201 - 300	150.00
3.01 - 4.0	301 - 400	175.00
4.01 - 5.0	401 - 500	200.00
5.01 - 6.0	501 - 600	225.00
6.01 - 7.0	601 - 700	250.00
7.01 - 8.0	701 - 800	275.00
8.01 - 9.0	801 - 900	300.00
9.01 - 10.0	901 - 1000	325.00
10.01 - 11.0	1001 - 1100	350.00
11.01 - 12.0	1101 - 1200	375.00
12.01 - 13.0	1201 - 1300	400.00
13.01 - 14.0	1301 - 1400	425.00
14.01 - 15.0	1401 - 1500	450.00
15.01 - 16.0	1501 - 1600	475.00
16.01 - 17.0	1601 - 1700	500.00
17.01 - 18.0	1701 - 1800	525.00
18.01 - 19.0	1801 - 1900	550.00
19.01 - 20.0	1901 - 2000	575.00
20.01 & over	2001 & over	600.00

Checks should be made payable to the
Department of Water Resources

No fee is required for single family
domestic use or stockwater use.



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

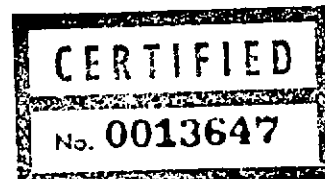
150 Shoup — Suite 15
Idaho Falls, Idaho 83402
(208) 525-7161

A. Kenneth Dunn
Director

01-7082
J. R. SIMPLOT CO.
P.O. BOX 27
BOISE, ID 83707

January 26, 1987

EXAMINATION FEE NOTICE



Dear Permit Holder:

Department records show that proof of beneficial use has been submitted for the above-referenced permit, but that a field examination has not yet been conducted to determine the extent of beneficial use of the water for licensing purposes.

House Bill 671 (effective April 4, 1986) enacted by the 1986 Idaho Legislature requires the payment of a fee before this Department can conduct the field examination needed to issue a license confirming use of water under the permit. This letter is notification that the license examination fee is due within sixty (60) days of the date of this letter. The examination fee information sheet (enclosed) must be returned with the fee.

As an alternative to submitting the fee, the Department will accept a field examination report completed by a certified water right examiner from the private sector. If you choose to have the examination done by a certified water right examiner, you need not submit the license examination fee to the Department, but you must within sixty (60) days of the date of this letter return to the Department, the examination fee information sheet showing appropriate information together with a statement from the certified examiner to verify that you have retained a certified examiner to conduct the field examination. If you choose this alternative, a completed field examination report must be submitted within one year of the date of this letter. You cannot later change your decision to use this alternative and submit the fee needed for the Department to conduct the field examination, but you may change to another certified examiner.

Certified water right examiners are licensed engineers, geologists, or land surveyors certified by the Department to conduct water right examinations. The procedure for certifying examiners results from the recently enacted HB 671 and is being developed at this time. A listing of certified water right examiners will be available from this Department when examiners have been certified.

If your permitted use, in fact, has already been examined by the Department and you have not asked to have the examination repeated, the fee requirement is not applicable to your permit. If you believe this is the case, please contact the Department.

The license examination fee is to be based on the amount of water you indicate you have developed, as listed in item 6 on the examination fee information sheet. The amount of water on which the examination fee is based can be less than the permitted amount, if less water has been diverted and beneficially used. The licensed amount of water, however, will not exceed the amount you claim on the examination fee information sheet. The enclosed license examination fee schedule shows a listing of applicable fees.

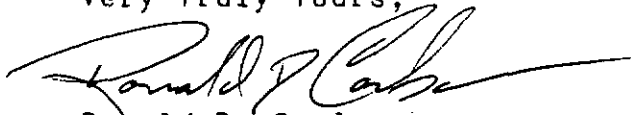
FAILURE TO SUBMIT WITHIN THE SIXTY (60) DAY PERIOD THE FEE OR THE STATEMENT THAT A CERTIFIED EXAMINER HAS BEEN RETAINED TO MAKE THE FIELD EXAMINATION WILL BE CAUSE TO ADVANCE THE PRIORITY OF THE PERMIT ONE DAY FOR EACH DAY THAT THE FEE SUBMITTAL IS LATE.

FAILURE TO SUBMIT THE FEE OR THE COMPLETED FIELD EXAMINATION REPORT WITHIN A YEAR WILL BE CAUSE TO CONSIDER THE PROOF OF BENEFICIAL USE TO BE INCOMPLETE AND TO LAPSE THE PERMIT.

The attached examination fee information sheet and the fee may be submitted to the following Department office:

Eastern Region
Idaho Dept. of Water Resources
150 Shoup Ave., Suite 15
Idaho Falls, Idaho 83401
Phone: 525-7161

Very Truly Yours,



Ronald D. Carlson
Eastern Regional Manager

Enclosures

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern Region

150 Shoup, Suite 15
Idaho Falls, Idaho 83402
(208) 525-7151

APRIL 2, 1986

J.R. SIMPLOT CO.
P.O. BOX 27
BOISE ID 83707

RE: Permit No. 01-7082

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit.

Before a license can be issued, a field examination must be made by a representative of this department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 525-7151 or in person in the third floor State Office Building, 150 Shoup, Idaho Falls, Idaho.

Sincerely,
s/HAROLD W. JONES
Sr. Resource Agent

FORM A

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

RECEIVED
MAY 16 1985

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed development under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below:

Permit No. 01-7082 changed from 45-7526

Name(s) of Permit Holder: _____

~~-Simplot Industries, Inc.~~ J. R. Simplot Co.

Post Office Address: P. O. Box 27, Boise, Idaho 83707

Attn: Ron Graves Telephone No. 336-2110

Source of Water: Snake River

Extent of Use: Domestic (number of households)

Stockwater (number and type of stock)

Irrigation (acres)

Other/Remarks Industrial Odor Control

Indicate the date water was first diverted and beneficially used under this permit: June, 1966*

Measuring Device: Required? Yes No
Installed? Yes No

Flow Measurement Port: Required? Yes No
Required? Yes No

Person to contact to accompany the Department representative during field examination: Ron Graves

(Name)

P. O. Box 27, Boise, Idaho 83707

(Address)

336-2110

(Telephone number)

The above information is a true statement of the extent to which the above numbered permit has been developed.

2-19-85

Date

Simplot Industries, Inc.

Ronald H. Graves Secretary
Signature of Permit
(and Title, if appropriate)

MICROFILMED

3-13-86
JD

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

- - - - -

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
FEBRUARY 07, 1986

J. R. SIMPLOT COMPANY
P.O. BOX 27
BOISE, ID 83707

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 01-7082

DEAR PERMIT HOLDER:

ENCLOSED IS A COPY OF YOUR APPROVED APPLICATION FOR PERMIT. WE DIRECT YOUR ATTENTION TO THE CONDITIONS OF APPROVAL ON THE FOURTH PAGE.

NOTE ALSO THAT WATER SHALL NOT BE DIVERTED UNDER THIS PERMIT UNLESS THE FLOW OF THE SNAKE RIVER EXCEEDS ESTABLISHED DOWNSTREAM MINIMUM STREAM FLOWS. IN ADDITION, THERE ARE MANY APPLICATIONS FOR PERMIT FOR THE USE OF SNAKE RIVER WATER THAT ARE PRIOR TO YOUR PERMIT. THESE APPLICATIONS HAVE BEEN FILED FOR THE IRRIGATION OF LANDS THAT THE APPLICANTS ARE ATTEMPTING TO OBTAIN UNDER THE FEDERAL LAND LAWS SUCH AS DESERT ENTRY AND CAREY ACT. IF THESE LANDS ARE DEVELOPED, AND IF THE ESTABLISHED MINIMUM STREAM FLOWS ARE MAINTAINED, THEN NO WATER WOULD BE AVAILABLE FOR THIS PERMIT. THEREFORE, YOU SHOULD CAREFULLY CONSIDER THESE FACTS BEFORE MAKING ANY EXPENDITURES FOR THE CONSTRUCTION OF YOUR SYSTEM.

BE SURE TO NOTE THE SPECIAL CONDITION REQUIRING YOU TO INSTALL A MEASURING DEVICE AND LOCKABLE CONTROLLING WORKS THAT WILL ENABLE THE WATERMASTER TO CONTROL YOUR RATE OF DIVERSION.

WE HAVE ENCLOSED A FORM ENTITLED "INSTRUCTIONS FOR PROOF OF BENEFICIAL USE". PLEASE READ THE INSTRUCTIONS CAREFULLY SINCE YOU MUST TAKE FURTHER ACTION TO DEVELOP THIS PERMIT. ALSO ENCLOSED FOR YOUR CONVENIENCE IS THE STATEMENT OF BENEFICIAL USE FORM THAT MUST BE SUBMITTED WHEN YOUR PROJECT IS COMPLETED.

SINCERELY,

DAVID R. TUTHILL, JR., P.E.
SUPERVISOR, WATER ALLOCATION SECTION

DRT: SC
ENCLOSURES

MICROFILMED

INTER-DEPARTMENT MEMO — 1

FROM Jim

DATE 1-29-85

TO File

SUBJECT Telecom w/Ron Carlson

Ron feels the storage rental requirement should be added to this right even though it is limited to 2.0 AC-FT/DAY.

MICROFILMED

SIGNATURE

State of Idaho
Department of Water Resources

01-7082
~~45-7526~~

APPLICATION FOR PERMIT ANALYSIS SHEET

SIMPLOT INDUSTRIES, INC.

INITIAL REVIEW BY: ADM

APPLICATION NUMBER: _____

CHECK:

- ☒ Source.
☒ Point of diversion.
☒ County.
☒ Quantity of water and period of use.
☒ Description of diverting works.
☒ Time required for beneficial use of water.
☒ Place of use or acres irrigated.
☒ Map.
☒ Signature.
☒ Fee.
☐ Yes ☒ No Field check required.
☐ Yes ☒ No Critical groundwater area.
☐ Yes ☒ No Request dam safety information. Sent by: _____ Date: _____
☒ Yes ☐ No* In form to receipt.

Field check by: _____

Date: _____

Comments: _____

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

- ☒ Idaho State Health Department.
☐ Idaho Fish and Game Department.
☐ Idaho Department of Lands.
☐ U.S. Bureau of Land Management.
☐ U.S. Forest Service.
☒ Other W.M. Dist. 01

Copies sent by: _____ Date: _____

PROCESSING:

- ☐ Yes ☒ No Platted by: _____ Map No. _____
☐ Yes ☐ No Other rights on same place of use. _____
☒ Yes ☐ No* In form for advertising.
☐ Yes ☒ No Final date for protests: 1/6/85
☐ Yes ☒ No Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

- ☒ Affidavit of publication received. Date: 1/9/86
☒ Application published correctly. If not, record action taken: _____
☒ Fee amount, receipt date & number, recorded on application.
☒ Publication dates and paper, recorded on application.
☒ Protests, dates, withdrawal, etc., recorded on application.
☒ Recommendation & initial, recorded on application.
☒ Yes ☐ No Measuring device required.
☒ Yes ☒ No Access port required.
☒ Yes ☐ No Will water be delivered by watermaster? If yes, what district? 014
☒ 2/24/83 Date of priority recommended.
☒ Special conditions of approval or cover letter. 01E, 05, 09B, 32

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app. released in 1-4 dismissal -
(45-7526 was shown on dismissal)

~~There has not been a subject to~~
~~amended 42-203~~

By: ADMDate: 1/14/86

STATE OFFICE REVIEW:

09B 31 32
01E 05 (01, Snake River)

RECEIVED

- ☐ See attached sheet for more information.

By: KWDate: 1/23/86

JAN 16 1986

Department of Water Resources



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
SOUTHERN REGION

John V. Evans
Governor

A. Kenneth Dunn
Director

1041 Blue Lakes Blvd. North
Twin Falls, Idaho 83301
(208) 734-3578

December 10, 1985

South Idaho Press
Box 190
Burley, Idaho 83318

Gentlemen:

Enclosed you will find a legal notice which we wish to have published once a week for two consecutive weekly issues of your newspaper. We have inserted the publication dates allowing ample time for you to submit us a galley proof for review before publication.

After sending us a galley proof, proceed with the publication on the dates we have inserted, assuming the notice is correct. If we have any corrections, we will notify you before the first publication. If you cannot publish the notice on the proposed dates, please contact us immediately.

In order to receive payment, an affidavit of publication must be submitted to the Department along with the publication bill.

Very truly yours,

Mary A. Newby
Sec/Office Coord.

Encl:

MICROFILMED

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application (s) have been submitted for permit to appropriate the public waters of the State of Idaho:

~~45-7508~~ 01-7082

J. R. SIMPLOT COMPANY

~~SIMPLOT INDUSTRIES, INC.~~
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

P.O. BOX 27, BOISE, ID 83707

Source: SNAKE RIVER trib. to COLUMBIA RIVER

Date Filed: 02/24/1983

Diversion Pt: SESE Sec 16 T 105 R 23E

Use: INDUSTRIAL (1.60 CFS)

In: SESE Sec 16 T 105 R 23E

If issued the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 1041 Blue Lakes Blvd. North, Twin Falls, Idaho, 83301 and received on or before January 6, 1985.

A. KENNETH DUNN
Director

Published December 19 and 26, 1985.

MICROFILMED

01-7082

J.R. SIMPLOT COMPANY

P.O. BOX 27, BOISE, ID 83707

Source: SNAKE RIVER trib to COLUMBIA RIVER

Date Filed: 02/24/1983

Diversion Pt: SESE Sec 16 T 10S R 23E

Use: INDUSTRIAL (1.60 CFS)

In: SESE Sec 16 T 10S R 23E

If issued the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 1041 Blue Lakes Blvd. North, Twin Falls, Idaho, 83301 and received on or before January 6, 1985.

A. KENNETH DUNN, Director

Published in the South Idaho Press on
December 19 and 26, 1985.

ab)
marg
12/18/85



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

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

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

November 25, 1985

RE: Water Rights in the name of "Simplot Industries, Inc."

J. R. Simplot Company
P.O. Box 27
Boise, ID 83707

Gentlemen:

Please be advised that we are in receipt of the Certificate of Ownership and Merger, merging Simplot Industries, Inc. into J. R. Simplot Company. We have corrected our water right records to show this merger on the below listed water rights.

01-4058	43-4194	65-11119	65-6638	29-7036	43-2575
01-7082	43-4196	65-11120	65-6639	33-7007	43-7056
33-2125	43-4197	65-11121	65-6640	33-7053	43-7068
35-4189	43-4198	65-11122	65-6641	33-7061	45-2746
36-4179	43-4201	65-11123	65-7376	35-8114	51-2160
36-4180	43-7145	65-11124	65-0786	36-7333	61-7067
36-4181	45-4167	65-11125	02-7040	37-0465	63-5273
36-4182	63-9335	65-2477	02-7396	37-0692	63-5274
36-8153	65-10426	65-6063	22-7423	43-2519	63-5286
36-8154	65-10428	65-6637	29-4088	43-2569	63-5297
02-0006	02-0015	02-0076	02-2053	02-2118	02-2139
02-2166	02-2220	02-2221	02-2222	02-2409	
33-2119	65-2805				

We have placed a copy of the merger in all of the files above. If you have any questions regarding this matter, please feel free to contact our office.

Sincerely,

KAY WALKER
Technical Records Specialist

KW:k

RECEIVED

NOV 27 1985

Department of Water Resources
Southern District Office

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APR 19 1984

MEMORANDUM

Department of Water Resources
Southern District Office

TO: Southern Region and State Office Routing
FROM: Roberta
SUBJECT: Number Change -- DATA ENTRY CORRECTION MADE AT STATE OFFICE
DATE: April 16, 1984

Please change your records accordingly.

<u>OLD NO.</u>	<u>NEW NO.</u>	<u>NAME</u>
45-7526	01-7082	Simplot Industries, Inc.

Note: 45-7526 has been changed in remarks from "Number not used. Do not issue" to "See rt. 01-7082" since information has gone out on the old number.

Route

Data Entry

cc Southern Region
Microfilm

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