State of Idaho
Department of Water Resources

Water Right License

Water Right No. 63-34369

Priority: April 12, 2017

Maximum Diversion Rate: 1.00 CFS
Maximum Diversion Volume: 0.1 AF

It is hereby certified that:

CITY OF BOISE PUBLIC WORKS DEPT
150 N CAPITOL BLVD BOISE ID 83701-0500

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 12, 2017, and has submitted Proof of Beneficial Use on July 22, 2022. An examination confirms water is diverted from:

Source : GROUND WATER

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
DIVERSION TO STORAGE	01/01 to 12/31	1.00 CFS	
DOMESTIC STORAGE	01/01 to 12/31		0.1 AF
DOMESTIC FROM STORAGE	01/01 to 12/31		0.1 AF

Location of Point(s) of Diversion
GROUND WATER NW¼ NW¼, Sec. 34, Twp 01N, Rge 01E, B.M. ADA County

Place of Use: DOMESTIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Place of Use: DOMESTIC FROM STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Conditions of Approval

1. Domestic from storage use is for a small office and does not include lawn, garden, landscape, or other types of irrigation.

2. Right 63-34369 authorizes the storage of an annual total of 37,000 gallons, comprised of; 5,000 gallons to be used for the initial filling or carryover storage of the storage bladder and up to 32,000 gallons for additional refills for domestic from storage use.

3. Rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461, 63-12470, and 63-34369 when combined shall not exceed a total diversion rate of 60.87 cfs.

SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Water Right License

Water Right No. 63-34369

4. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

This license is issued pursuant to the provisions of Idaho Code § 42-219. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 31st day of JANUARY, 2023.

Angela M. Hansen

ANGELA HANSEN
Water Rights Section Manager

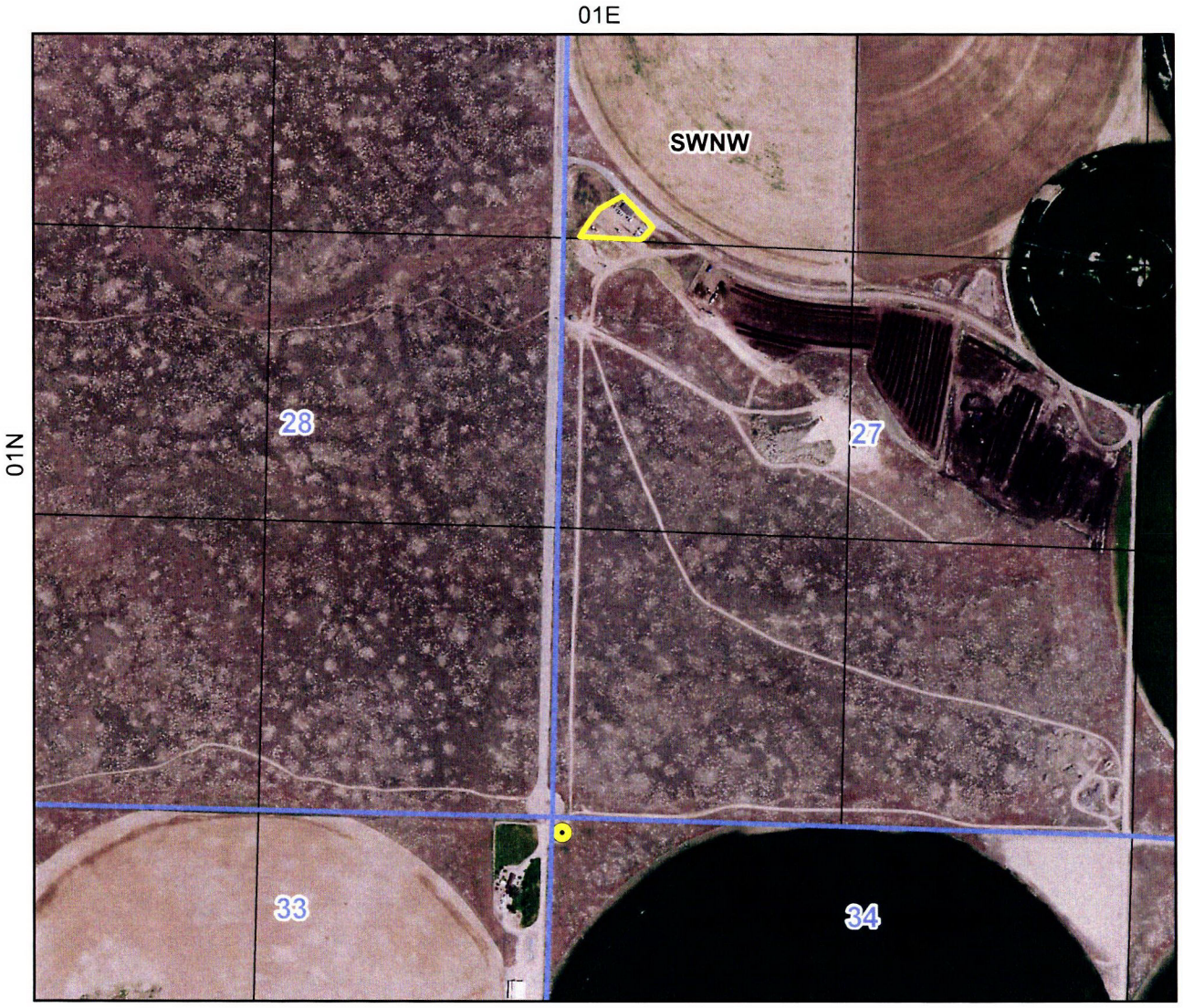
SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Attachment to Water Right

63-34369

This map depicts the DOMESTIC STORAGE and DOMESTIC FROM STORAGE place of use boundary for this water right at the timeof this approval and is attached to the approval document solely for illustrative purposes.



SCANNED
FEB 16 2023

RECEIVED
JAN 30 2023
DEPARTMENT OF
WATER RESOURCES

State of Idaho
Department of Water Resources

Application for Amendment

(For Licensing Purposes)
Water Right No. 63-34369

Priority: April 12, 2017

Maximum Diversion Rate: 1.00 CFS
Maximum Diversion Volume: 0.1 AF

The owner and holder of Permit to Appropriate the Public Waters of the State of Idaho No. 63-34369

CITY OF BOISE
PUBLIC WORKS DEPT
150 N CAPITOL BLVD
BOISE ID 83701-0500

requests the permit be changed as follows:

Source : GROUND WATER

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
DIVERSION TO STORAGE	01/01 to 12/31	1.00 CFS	
DOMESTIC STORAGE	01/01 to 12/31		0.1 AF
DOMESTIC FROM STORAGE	01/01 to 12/31		0.1 AF

Location of Point(s) of Diversion
GROUND WATER NW¼ NW¼, Sec. 34, Twp 01N, Rge 01E, B.M. ADA County

Place of Use: DOMESTIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Place of Use: DOMESTIC FROM STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed this 30th day of January, 20 2023

(Signature)

SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Application for Amendment

(For Licensing Purposes)
Water Right No. 63-34369

FOR DEPARTMENT USE ONLY

Preliminary check by AH Fee = $100 Receipted by KM # C115201 Date 1/30/23

ACTION OF THE DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources hereby approves the above Application for Amendment for Permit No. 63-34369 with the following:

Conditions of Approval

1. Domestic from storage use is for a small office and does not include lawn, garden, landscape, or other types of irrigation.

2. Right 63-34369 authorizes the storage of an annual total of 37,000 gallons, comprised of; 5,000 gallons to be used for the initial filling or carryover storage of the storage bladder and up to 32,000 gallons for additional refills for domestic from storage use.

3. Rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461, 63-12470, and 63-34369 when combined shall not exceed a total diversion rate of 60.87 cfs.

4. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

This amendment is issued pursuant to the provisions of Idaho Code § 42-211.

Signed this 31st day of JANUARY, 2023.

Angela M. Hansen

ANGELA HANSEN
Water Rights Section Manager

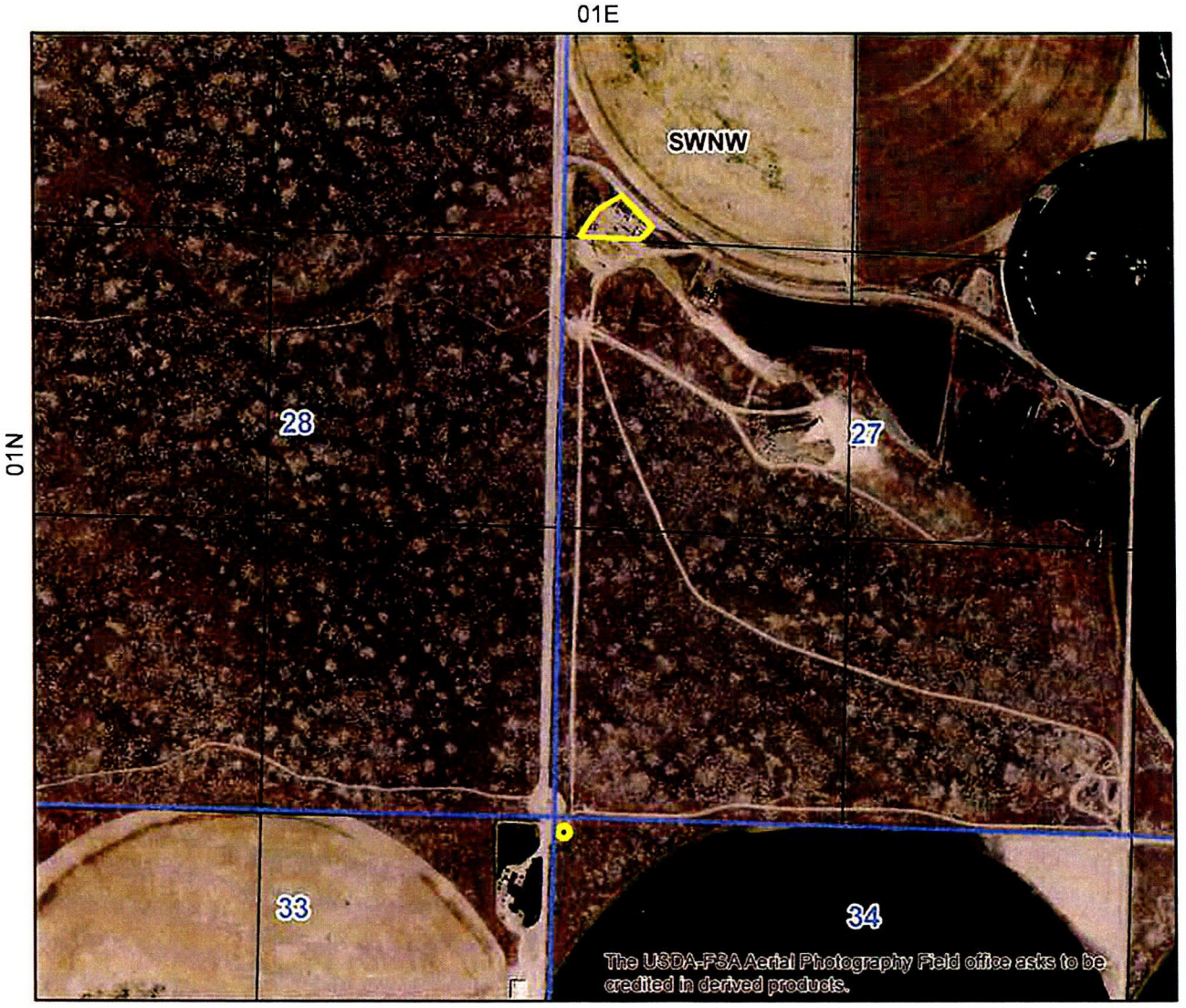
SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Attachment for Application to Amend a Permit

63-34369

This map depicts the DOMESTIC STORAGE and DOMESTIC FROM STORAGE 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.



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

0 0.1 0.2 0.4 Miles

N

SCANNED
FEB 16 2023

Form 42-217 Rev. 6/22

RECEIVED
Jul 22, 2022
DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEMENT OF COMPLETION

FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY
Amt. of Fee $
Receipt No.
Receipted By
Date Receipted

The Idaho Department of Water Resources (Department) considers this form a statement that the permit holder(s) applied water to beneficial use and completed development of a water right to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner (CWRE).** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, complete a Notice of Change in Water Right Ownership form. If you wish to relinquish your permit because you have not established the authorized water use and are not applying for an extension, please notify the Department in writing.

1. Permit No. 63-34369 Name of Permit Holder(s) City of Boise, Public Works Department

Telephone No. 208-608-7150 Email rleebeusan@cityofboise.org

Mailing Address 150 North Capitol Boulevard City Boise State ID Zip 83701-0500

2. Source of Water ground water If Ground Water (well), Date Drilled mo. 7 / yr. 1968

Drilling Permit/Tag No. _____ Drilling Company's Name Hiddleston

3. Extent of use(s) completed **as authorized by the water right permit**:

Domestic (No. households) _____ Irrigation (No. acres) _____ Stockwater (No. and stock type) _____

Other domestic for office

4. Total diversion rate or volume (storage only) for which proof is submitted 0.04 cfs OR _____ af

If the total developed water use is 5 acres of irrigation or less, is stockwater storage of 14.6 acre-feet or less, or has a diversion rate of less than 0.24 cfs, attach a map of the place of use and point of diversion and photographs showing beneficial use.

5. Describe the diversion and delivery system from the water source to the use (pump, lift, irrigation method, etc.)

125-hp pump from 400-foot deep well discharging to water truck that delivers water to a domestic water system at an office serving approximately 10 persons.

6. Permit condition compliance. Refer to the permit approval conditions and check all the items required, then check "Yes" or "No" to indicate whether the required items were established, submitted, and/or installed:

Required?	Yes	No	(If "Yes", attach required data, evidence of compliance, or evidence of installation)
☐	☐	☐	Ground water level data, pumping information, or other diversion data
☐	☐	☐	Mitigation plan
☐	☐	☐	Lockable controlling works
☐	☐	☐	Measuring device
☐	☐	☐	Fish screen
☐	☐	☐	Other requirements of the water right permit _____
	☐	☐	Reasonably Anticipated Future Needs ("RAFN") Municipal use

If RAFN Municipal use, additional increment of beneficial use developed? ☐ Yes (attach CWRE report) ☐ No

7. Fee Enclosed $_____ or ■ CWRE field report attached or ☐ No fee required

See fee schedule on page 3 of the instructions. Proof statements filed without an appropriate fee are incomplete.

8. Person to contact to accompany a Department representative during the field examination of the water system:

Name: _____ Telephone No. _____ Email _____

Mailing Address _____ City _____ State _____ Zip _____

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Stephan L. Burgos Digitally signed by Stephan L. Burgos Date: 2022.07.22 09:23:48 -06'00' | Steve Burgos, Public Works Director | 7/22/2022

SIGNATURE OF PERMIT HOLDER* | PRINTED NAME AND TITLE | DATE

*Attach power of attorney if completing on behalf of permit holder.

SCANNED
FEB 06 2023

IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little **Director Gary Spackman**

February 03, 2023

CITY OF BOISE
PUBLIC WORKS DEPT
150 N CAPITOL BLVD
BOISE ID 83701-0500

RE: License No. 63-34369

ISSUANCE OF LICENSE

Dear Water Right Holder:

The Department of Water Resources ("Department") has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review all the conditions of approval listed on your license. The conditions may include ongoing requirements, such as maintenance of a measuring device or implementation of mitigation, as well as information about how your water use may be administered, such as regulation by a watermaster in a water district.

The license is a PRELIMINARY ORDER issued by the Department pursuant to Rule 730 of the Department's Rules of Procedure (IDAPA 37.01.01.730). It can and will become a final order without further action by the Department unless a party petitions for reconsideration, files exceptions, or requests a hearing as described in the enclosed information sheet.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Water right forms are available from any office of the Department or on the Department's website at idwr.idaho.gov

If you have any questions concerning the enclosed information, please contact me at (208) 287-4951.

Sincerely,

Angela M. Hansen

Angela Hansen
Water Rights Section Manager

Enclosures

SCANNED
FEB 16 2023

CERTIFICATE OF SERVICE

I hereby certify that on February 3, 2023, I served a true and correct copy of Water Right License No. 63-34369 by U.S. Mail, postage prepaid, to the following:

CITY OF BOISE (Current Owner)
PUBLIC WORKS DEPT
150 N CAPITOL BLVD
BOISE ID 83701-0500

HDR INC (Representative)
C/O TERRY SCANLAN – *via email*
412 E PARKCENTER BLVD STE 100
BOISE ID 83706-6659
Terry.scanlan@hdrinc.com

Debbi Judd
Technical Records Specialist

SCANNED
FEB 06 2023

HDR | SPF

RECEIVED
JAN 30 2023
DEPARTMENT OF
WATER RESOURCES

January 30, 2023

Angela Hansen
Water Rights Section Manager
Idaho Department of Water Resources
322 East Front Street
Boise, ID 83702-7371
Via hand delivery

Subject: 63-34369 – Application for Amendment for Licensing Purposes

Dear Angie,

Enclosed on behalf of the City of Boise, please find an Application for Amendment of Permit 63-34369 for Licensing Purposes. The application was signed by City of Boise Public Works Director Steve Burgos. The $100 filing fee is being provided by p-card.

Please contact me with any questions.

Sincerely,
HDR Engineering, Inc.

Terry M. Scanlan

Terry M. Scanlan, P.E., P.G.
Principal Engineer

Cc: Robin Lee-Beusan, Boise Public Works

hdrinc.com

HDR | SPF, River Quarry at Parkcenter, 412 E Parkcenter Blvd Suite 100, Boise, ID 83706
(208) 872-9500

SCANNED
FEB 06 2023

Hansen, Angela

From: Hansen, Angela
Sent: Wednesday, January 18, 2023 11:51 AM
To: Scanlan, Terry
Subject: Water Right Permit 63-34369 Amendment for Licensing Purposes
Attachments: CityOfBoisePermitNo.63-34369LicensingAmendmentApplication.pdf

Terry,

Good morning! Attached is a copy of the permit amendment application sent to the City of Boise today for water right permit no. 63-34369. As you likely recall, Dan Nelson was working with you on this permit and the certified water right exam you submitted on behalf of the City of Boise. The permit amendment contemplates changing the nature of use from domestic to diversion to storage, domestic storage, and domestic from storage to more accurately describe the system proposed and developed. I am working to wrap up this permit amendment and licensing effort since Dan retired. Please let me know if you or your client have any follow up questions regarding this matter. I hope this email finds you well and having a great new year!

Regards,
Angie

IDAHO DEPARTMENT OF
WATER RESOURCES
Angela Hansen | Water Rights Section Manager
322 E Front St, PO Box 83720, Boise, ID 83720
(208) 287-4951 | www.idwr.idaho.gov

SCANNED
FEB 06 2023

State of Idaho
DEPARTMENT OF WATER RESOURCES
322 E FRONT ST STE 648 PO BOX 83720 • BOISE, ID 83720-0098
Phone: (208)287-4800 • Fax: (208)287-6700 • Website: www.idwr.idaho.gov

January 18, 2023

CITY OF BOISE
PUBLIC WORKS DEPT
150 N CAPITOL BLVD
BOISE ID 83701-0500

RE: Water Right Permit No. 63-34369

Dear Permit Holder(s):

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit.

The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Idaho Code § 42-211. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit:

__X__ Other: Nature of Use

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when issued. Please review the amendment form carefully. If you concur with the information presented, please sign and return the form with the filing fee of $100.00 within fourteen (14) days.

If you have any questions, please call me at (208) 287-4951.

Sincerely,

Angela M. Hansen

Angela Hansen
Water Rights Section Manager

Enclosure(s): Application for Amendment

cc: Terry Scanlan, HDR Engineering Inc via email terry.scanlan@hdrinc.com

SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Application for Amendment

(For Licensing Purposes)
Water Right No. 63-34369

Priority: April 12, 2017

Maximum Diversion Rate: 1.00 CFS
Maximum Diversion Volume: 0.1 AF

The owner and holder of Permit to Appropriate the Public Waters of the State of Idaho No. 63-34369

CITY OF BOISE
PUBLIC WORKS DEPT
150 N CAPITOL BLVD
BOISE ID 83701-0500

requests the permit be changed as follows:

Source : GROUND WATER

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
DIVERSION TO STORAGE	01/01 to 12/31	1.00 CFS	
DOMESTIC STORAGE	01/01 to 12/31		0.1 AF
DOMESTIC FROM STORAGE	01/01 to 12/31		0.1 AF

Location of Point(s) of Diversion
GROUND WATER NW¼ NW¼, Sec. 34, Twp 01N, Rge 01E, B.M. ADA County

Place of Use: DOMESTIC STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Place of Use: DOMESTIC FROM STORAGE

Twp	Rng	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
01N	01E	27							X									

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed this _____ day of _____, 20____.

_____
(Signature)

SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Application for Amendment

(For Licensing Purposes)
Water Right No. 63-34369

FOR DEPARTMENT USE ONLY

Preliminary check by _____ Fee = $100 Receipted by _____ # _____ Date _____

ACTION OF THE DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources hereby approves the above Application for Amendment for Permit No. 63-34369 with the following:

Conditions of Approval

1. Domestic from storage use is for a small office and does not include lawn, garden, landscape, or other types of irrigation.

2. Right 63-34369 authorizes the storage of an annual total of 37,000 gallons, comprised of; 5,000 gallons to be used for the initial filling or carryover storage of the storage bladder and up to 32,000 gallons for additional refills for domestic from storage use.

3. Rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461, 63-12470, and 63-34369 when combined shall not exceed a total diversion rate of 60.87 cfs.

4. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

This amendment is issued pursuant to the provisions of Idaho Code § 42-211.

Signed this _____ day of _____, 20____.

_____
ANGELA HANSEN
Water Rights Section Manager

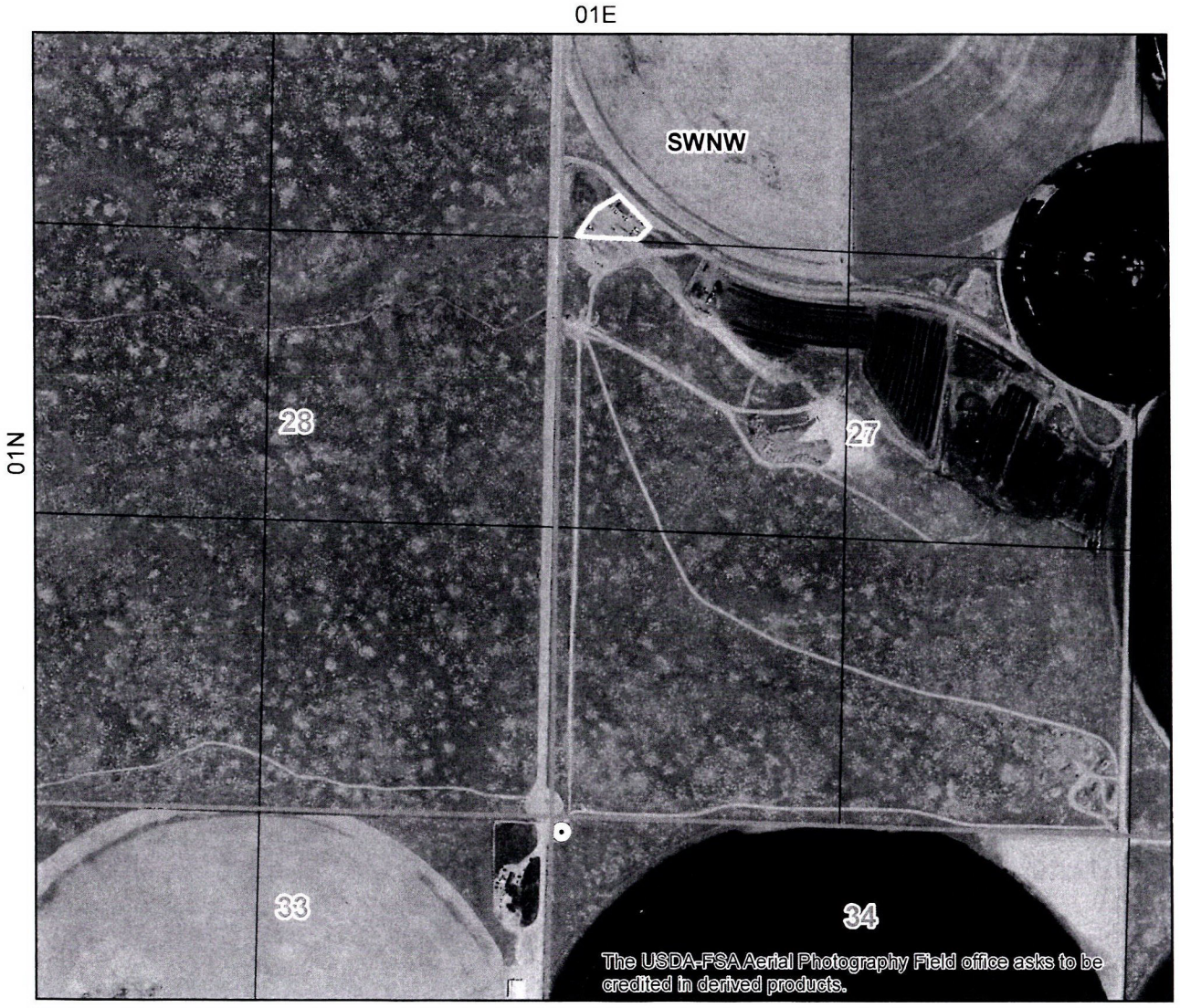
SCANNED
FEB 06 2023

State of Idaho
Department of Water Resources

Attachment for Application to Amend a Permit

63-34369

This map depicts the DOMESTIC STORAGE and DOMESTIC FROM STORAGE 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.



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

0 0.1 0.2 0.4 Miles

N

SCANNED
FEB 06 2023

MEMORANDUM

TO: Water Right File 63-34369

FROM: Daniel Nelson – Analyst 3

DATE: October 19, 2022

SUBJECT: Licensing Review of Water Right 63-34369

The field exam for this right was performed by Certified Water Right Examiner Terry Scanlan of HDR Engineering Inc. Mr. Scanlan recommended 0.04 cfs and 2,500 gallons per day for domestic use. No new well was developed.

History:

This permit was filed to divert water from an existing well for domestic purposes for an office for the City of Boise's compost facility. The application for permit states that the total domestic use will not exceed 2,500 gallons per day. This is important because there is a difference between the daily diversion volume and daily use volume.

Mr. Scanlan described the water diversion system as water being diverted from an irrigation well into a 4,000-gallon water truck at a diversion rate of 1.00 cfs. The water truck then delivers the 4,000 gallons of water to a 5,000-gallon storage bladder that supplies the office of the compost facility.

Mr. Scanlan assumed a volume was not needed on this permit because the daily use was less than 2,500 gallons per day, so he recommended a condition that limited the use to 2,500 gallons per day as described in Idaho Code § 42-111. He did not calculate a volume for this permit. Idaho Code § 42-111 does not speak to use it specifically refers to diversion rate and diversion volume. After reviewing Mr. Scanlan's field report, the diversion rate diverted was 1.00 cfs and the daily diversion volume was 4,000 gallons in a single day. Therefore Mr. Scanlan was asked to provide a volume calculation for this field report. Mr. Scanlan replied with a volume of 0.1 acre-feet of water.

This project diverts water from the well at a diversion rate of 1.00 cfs and has a maximum daily diversion volume of 4,000 gallons per day, so Idaho Code § 42-111 does not apply to this permit. The water use for the office does appear to be less than 2,500 gallons per day, but Idaho Code § 42-111 only refers to the diversion rate and diversion volume.

SCANNED
FEB 06 2023

Another issue arose due to the rate of diversion. The actual diversion from the well is 1.00 cfs, but the permit was issued for 0.04 cfs. Mr. Scanlan's field report states that the diversion rate from the bladder is less than 0.04 cfs, so the overall diversion rate hasn't been exceeded. In an email from Mr. Scanlan, Mr. Scanlan does show that at the 1.00 cfs diversion rate, the water truck is filled in 11 minutes. Mr. Scanlan also states that the average diversion rate to fill the 4,000-gallon tanker truck would be 0.01 cfs. Therefore, the daily diversion rate limitation is not being exceeded in any given day.

Beneficial Use:

Working through the issues with the diversion rate and volume suggests that the permit doesn't represent the intent of the water use from the well. The beneficial uses and the intent of the application for permit don't appear to have changed or been exceeded. However, the description of the water uses do not properly describe what was intended or what was developed.

The water is diverted to a 5,000-gallon water bladder where it is stored until it is used in the office. According to Mr. Scanlan's email, the bladder is only filled approximately 8 times a year or roughly every other month. Mr. Scanlan stated that a volume of 0.1 acre-feet of storage would be reasonable.

Department staff discussed this issue and determined that the permit holder didn't really do anything that they didn't intend to do, but there should have been a storage component and a diversion to storage component to make this system make sense. This permit will be amended to include a diversion to storage, domestic storage, and domestic from storage. These changes are in line with what the application for permit proposed and what was permitted.

Overlap:

Water rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461 and 63-12470 overlap both the point of diversion and the place of use. All of these rights except for 63-7755B are mainly irrigation rights with some domestic rights for homes with in a giant permissible place of use (PPU).

Water right 63-7755B is an industrial use to "dampen compost at the city's new composting facility located within their Twenty Mile South Farm." I am surprised that they didn't include the domestic use for this office in the water right transfer, but the field report clearly states that the industrial use is delivered through a separate system.

SCANNED
FEB 06 2023

I didn't see any issues with these overlapping water rights other than the diversion rate. No additional diversion rate has been developed. The above rights do have a combined diversion rate limit of 60.87 cfs. This permit should not authorize any additional diversion rate. Therefore, there should be a condition that when water rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461, 63-12470, and 63-34369 are combined they are limited to a diversion rate of 60.87 cfs. The volume amounts and acre limitations for the overlapping rights are not needed in the above condition since the diversion rate can more than supply the volume for the existing water rights and this permit, and the acres limitations are not significant to this permit because no irrigation was developed under this permit.

Point of Diversion and Place of Use:

The point of diversion and place of use recommended by the field examiner doesn't appear to be an issue.

Diversion Rate:

As discussed above the diversion rate recommended by the field examiner is 1.00 cfs. Also stated above, the permit was limited to 0.04 cfs. The diversion rate measurements and calculations seem reasonable. An analysis is needed to determine if the 24-hour diversion rate exceeds a daily use if the filling of the 4,000-gallon tanker truck was filled at 0.04 cfs. Mr. Scanlan states that the 4,000-gallon tanker truck can be filled at 1.00 cfs in 11 minutes. My calculations suggest the 4,000-gallon tanker truck filing in closer to 9 minutes (4,000 gallons / [1.00 cfs X 448.8 gpm] = 8.9 minutes).

The same calculations would be used to determine the time it takes to fill the 4,000-gallon tanker truck at a rate of 0.04 cfs. Mr. Scanlan calculated the average daily diversion rate of 0.01 cfs. I calculate that to fill the water truck at a diversion rate of 0.04 cfs it would take approximately 223 minutes of 3.7 hours (4,000 gallons / [0.04 cfs X 448.8 gpm] = 222.8 minutes / 60 = 3.71 hours).

With the analysis for this permit, I am recommending a diversion to storage rate of 1.00 cfs.

Volume:

I reviewed the volume Mr. Scanlan sent in is September 13, 2022, email, and I provided an analysis of what I did to review the volume in an email sent to Mr. Scanlan in my October 18, 2022, email to Mr. Scanlan. Mr. Scanlan responded to my email on October 20, 2022, agreeing to the total volume of 0.1 acre-feet.

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The 0.1-acre-foot total will need to be separated out in conditions to show the multiple fills of the bladder. There will not be any seepage or evaporation losses, since the bladder is completely sealed storage system. Bladder capacity is 5,000 gallons. Mr. Scanlan stated in his September 13, 2022, email, that the permit holder fills the bladder 8 times a year with the 4,000-gallon tanker truck or 32,000 gallons per year. This would leave a total storage use and from storage use of 37,000 gallons per year, or an average of 142 gallons per day (37,000 gallons / [5 days/week X 52 weeks] = 142.3). This volume meets the less than 2,500 gallons per day requested in the application for permit.

I recommend that this permit be limited to 0.1 acre-feet (37,000 gallons / 325850 = 0.1135 acre-feet rounded to 0.1 acre-feet). A condition should be added to authorize storage to 37,000 gallons with a storage capacity of 5,000 gallons and 32,000 gallons for multiple refills.

Conditions:

Where this system is going to change from a domestic use to a domestic storage and domestic from storage, the conditions will be changed significantly. Condition WB5 will be added to describe the domestic from storage use and limit the use to in-office use only. Condition 121 will be changed to 103 as is standard.

Condition X35 will need to be added. This condition will altered as follows:

Rights 63-3013, 63-3014, 63-7005B, 63-7042B, 63-7047, 63-7053, 63-7055A, 63-7055C, 63-7055D, 63-7064A, 63-7064B, 63-7078B, 63-7755B, 63-8130B, 63-8435, 63-9243, 63-9359, 63-12461, 63-12470, and 63-34369 when combined shall not exceed a total diversion rate of 60.87 cfs.

Condition 259 will also be needed. The condition altered as follows:

Right 63-34369 authorizes the storage of an annual total of 37,000 gallons, comprised of; 5,000 gallons to be used for the initial filling or carryover storage of the storage bladder and up to 32,000 gallons for additional refills for domestic from storage use.

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Nelson, Dan

From: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Sent: Thursday, October 20, 2022 8:10 AM
To: Nelson, Dan
Cc: Robin Lee-Beusan; John Roldan
Subject: RE: Field Report for Permit 63-34369

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Dan

I contacted the City and they agree with the 0.1 af storage and domestic from storage volume. Let us know if you need anything else. Thanks.

Terry M. Scanlan, P.E., P.G.
D 208-872-9530 M 208-861-4758

hdrinc.com/follow-us

From: Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
Sent: Tuesday, October 18, 2022 2:13 PM
To: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Subject: RE: Field Report for Permit 63-34369

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Terry,

I have been able to review the additional information you supplied in your email and compare it to the field exam you supplied for this right. The information that you gave me in your email is a bit different than what you requested in the field report. When we send the amendment of permit for licensing purposes to you and your client, it will have a very different domestic storage volume and domestic from storage volume than what was recommended in the field report. I want to make sure you and your client are aware of the changes and how we verified those changes.

I do want to let you know that the information you supplied on the diversion rate should allow us to work through the amendment of permit as was discussed in my earlier email. This includes allowing the 1.00 cfs diversion rate based on your analysis in Question #1 in your earlier email.

You asked us in the field report to limit the diversion volume of water to 2,500 gallons per day based on Idaho Code §42-111. However, the permit did not have any Idaho Code §42-111 limitations included in the conditions. There is no condition that limits the use to 2,500 gallons per day, so Idaho Administrative Code Beneficial Use Examination Rules, IDAPA 37.03.02.035.01.j would not apply to this permit. Generally, Idaho Administrative Code Beneficial Use Examination Rules, IDAPA 37.03.02.035.01.j is only used when there is a condition on the permit that allows it to move forward in a regulated area. Regardless of whether there is a condition or not, this permit doesn't comply with Idaho Code § 42-111(b) which states the following:

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[redacted] [redacted]

Any other uses, if the total use does not exceed a diversion rate of four one-hundredths (0.04) cubic feet per second and a diversion volume of twenty-five hundred (2,500) gallons per day.

The field report and your email confirm that the permit holder is diverting 1.00 cfs from the well and diverts 4,000 gallons in a single day to fill the water truck. This exceeds the diversion rate and volume limitations authorized by Idaho Code § 42-111(b). The 1.00 cfs is an acceptable diversion rate to consider the amendment, because it the 4,000-gallon truck could be filled at 0.04 cfs in a single day as authorized by the permit. However, the actual instantons diversion rate from the well is still 1.00 cfs. This portion of the code simply doesn't represent what is being done on this permit.

In my review of the volume limitation for the domestic storage, I needed to compare the number of fills of the 4,000-gallon bladder to the actual water use of the office staff. Based on your answer to Question 4 of the email, you state they use 4,000 gallons 8 times per year for a total of 32,000 gallons per year or 0.1 acre-feet (4,000 X 8 = 32,000 gpy / 325850 = 0.0982 acre-feet). This seems reasonable and is reinforce by the following calculations.

Your field report states that there are 10 employees. The Non-Irrigation Water Requirements in the Field Examiner's Handbook states that construction workers require 50 gallons per shift and day workers, or office workers use 15 gallons per shift. Assuming these workers are all office type workers, the volume would be as follows:

15 gallons per day X 10 workers X 5 days per week X 52 weeks per year = 39,000 gpy / 325850 = 0.12 rounded to 0.1 acre-feet.

The volume you recommended in the email seems reasonable compared to the water use described in the field report. The water use calculated above is slightly higher, but doesn't take into account holidays, vacations, and sick days of the employees. Since you didn't include a volume in your field report and we are considering changing the water use to domestic storage and domestic from storage, I want to make sure you and your client are aware that the total storage volume will be limited to the 0.1 acre-feet. Please confirm that the 0.1 acre-feet is the domestic storage and domestic from storage volume you and your client want me to include on the licensing amendment.

I know this is a rather long email, but I wanted to go through the process we went through compare the two volume amounts to make they were reasonable. I also wanted to explain why Idaho Administrative Code Beneficial Use Examination Rules, IDAPA 37.03.02.035.01.j didn't apply to this permit.

If you have any questions, please don't hesitate to contact me.

Respectfully,

Daniel Nelson
Water Right Analyst 3
Idaho Department of Water Resources
Telephone (208) 287-4856
Fax (208) 287-6700 (attn: Dan Nelson)

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From: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Sent: Friday, October 14, 2022 12:48 PM
To: Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
Cc: Ben Nydegger <Bnydegger@cityofboise.org>; Robin Lee-Beusan <rleebeusan@cityofboise.org>
Subject: RE: Field Report for Permit 63-34369

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Hi Dan.

Answers to your questions are in **BOLD CAPS** below.

Terry M. Scanlan, P.E., P.G.
D 208-872-9530 M 208-861-4758

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From: Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
Sent: Tuesday, September 13, 2022 11:28 AM
To: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Subject: Field Report for Permit 63-34369

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Mr. Scanlan,

This email is a result of several conversations with Idaho Department of Water Resources ("Department") staff, and our telephone call this afternoon. We agree that it appears as though the City of Boise "Permit Holder" did what they proposed in their application for permit, but that the way the permit was approved in a way that wouldn't allow the Permit Holder to stay in compliance with the diversion rate from such a large well. We are willing to consider an amendment of the permit that would adjust the diversion rates and volumes of the permit in a way that would better describe the water use that was developed and what was requested in the application for permit.

Our thoughts are that we could amend this permit to a diversion to storage, domestic storage, and domestic from storage. To attempt this, we will need to ensure that the developed water use doesn't exceed the water use intended by the permit approval. The permit was approved for 0.04 cfs for a domestic office. Your field report showed that the domestic office was developed as described in the permit, but the diversion from the well was 1.00 cfs. The well is used to fill a bladder that is then used for the domestic office use.

This is where we will need your assistance. We will need you to provide the following information:

1.) The amount diverted from the well at 1.00 cfs will not exceed the total daily diversion rate if it was diverted at 0.04 cfs. This can be done by calculating the amount of time it takes to fill the tanker truck at 1.00 cfs compared to diverting the water into the tanker truck at 0.04 cfs. For example: A 5,000-gallon tanker truck is filled in 11 minutes at 1.00 cfs and 556 minutes or 9.25 hours at 0.04 cfs. **THE TANKER TRUCK HAS A 4000 GALLON CAPACITY AND IS NOT FILLED FOR DOMESTIC OFFICE USE MORE THAN ONCE PER DAY. THEREFORE, THE AVERAGE DAILY RATE IS 0.01 CFS.**

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2.) We will need you to provide the volume of the bladder being used. This will give us the storage capacity for the domestic storage. **THE BLADDER HAS A CAPACITY OF 5000 GALLONS.**
3.) We will need to know the number of times the bladder is filled in a single day. **ONE.** We need to know this to ensure it doesn't exceed the daily volume that could be provided in a 24-hour period at a diversion rate of 0.04 cfs.
4.) We will also need to know the number of times the bladder is filled each year. This will give us the total storage volume for this permit. **OFFICE STAFF ESTIMATE THE BLADDER IS FILLED ABOUT EVERY OTHER MONTH, WITH EACH FILL AT 4000 GALLONS. I SUGGEST THAT YOU ASSUME 8 FILLS PER YEAR WHICH WORKS OUT TO 0.1 AFA.**

As we discussed earlier today, this is something that we are trying to find a way to ensure that the original permit is not enlarged, but meets the intent proposed by the application for permit and water use that was developed. We would be happy to consider anything that discover while gathering this information that may be helpful would be greatly appreciated. This is a very unique system and unique situation. It is difficult to explain exactly what we need and how to prepare the information you are going to submit. You do an excellent job in these situations providing usable information, so I am looking forward to review what you provide.

Respectfully,

Daniel Nelson
Water Right Analyst 3
Idaho Department of Water Resources
Telephone (208) 287-4856
Fax (208) 287-6700 (attn: Dan Nelson)

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Jul 22, 2022
DEPARTMENT OF
WATER RESOURCES

HDR | SPF

July 22, 2022

Dan Nelson
Idaho Department of Water Resources
322 East Front Street
Boise, ID 83702-7371

Subject: 63-34369 - Statement of Completion and Beneficial Use Field Report

Dear Dan,

Enclosed on behalf of the City of Boise, please find (1) a Statement of Completion for Submitting Proof of Beneficial Use for Permit 63-34369 and (2) a Beneficial Use Field Report for Permit 63-34369.

The Field Report recommends licensing the permit for the full 0.04 cfs rate for domestic use. No volume is proposed other than a 2500 gpd limit.

Please contact me with any questions. I look forward to your review and licensing recommendations.

Sincerely,
HDR Engineering, Inc.

Terry M. Scanlan

Terry M. Scanlan, P.E., P.G.
Principal Engineer

Cc: Robin Lee-Beusan, Boise Public Works

hdrinc.com

HDR | SPF, River Quarry at Parkcenter, 412 E Parkcenter Blvd Suite 100, Boise, ID 83706
(208) 872-9500

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Veibell, Amanda

From: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Sent: Friday, July 22, 2022 1:46 PM
To: IDWR File
Cc: Nelson, Dan; Robin Lee-Beusan; John Roldan
Subject: 63-34369
Attachments: Submittal Letter 2022-07-22.pdf; Statement-of-Completion- SIGNED.pdf; BUFR 63-34369.pdf

Terry M. Scanlan, P.E., P.G.
Principal Engineer

We are now HDR | SPF
412 E. Parkcenter Boulevard., Suite 100
Boise, ID 83706
D +1.208-872-9530 **M** +1.208-861-4758
Terry.Scanlan@hdrinc.com
hdrinc.com/follow-us
spfwater.com

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Form 219 07/11

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WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATION

Permit No. 63-34369

1. Owner City of Boise Phone No. 208-608-7150
   Current address Public Works Department,150 N Capitol Boulevard, Boise, ID 83701-0500
2. Examiner's name Terry Scanlan, #129 EXAM DATE July 18, 2022
3. Accompanied by Robin Lee-Beusan Email rleebeusan@cityofboise.org
   Address Public Works Dept., 150 N Capitol Boulevard, Boise, ID 83701-0500
   Relationship to permit holder Employee - Water Resource Analyst Phone No. 208-608-7474
4. Source ground water tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use See Attachment A
2. Other water rights with the same source and point of diversion See Attachment A

C. DIVERSION AND DELIVERY SYSTEM

1. **Point(s) of Diversion:**

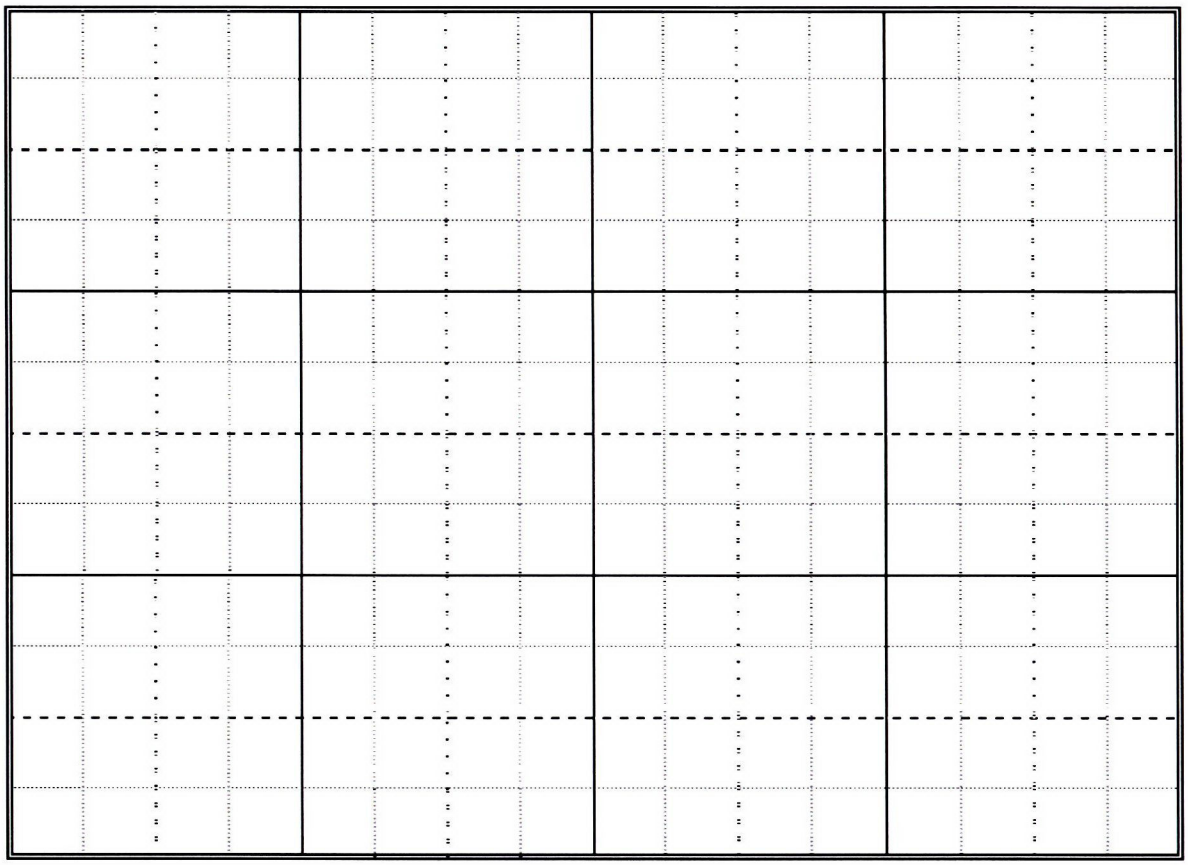
Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			NW	NW	34	1N	1E	Ada	GIS - Farm Well No. 9

2. **Place(s) of Use:** Method of determination

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	1E	27							D										

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3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = _____

☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	**Motor Make**	**Hp**	**Motor Serial No.**	**Pump Make**	**Pump Serial No. or Discharge Size**
Well No. 9	GE	125	5K6268XH1A	Layne	12RKBM 7 Stage

Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	**Type**	**Make**	**Model No.**	**Serial No.**	**Size**	**Calib. Date**
Flow Meter	Mag	ABB	Watermaster	3K62000034-	10 inch	2000 manufacture
				9341		

2. **Measurements:** _____

Flow rate while pumping to irrigation ranged from 800 to 1000 gpm. Flow rate to fill water truck was not measured, but capacity through 6-inch pipe is expected to be approximately 1 cfs.

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E. NARRATIVE/REMARKS/COMMENTS

Water diverted under this permit is used for domestic purposes (sinks, toilets, shower, etc.) at the Twenty Mile South Farm compost facility office. Water is obtained from Farm Well No. 9, where it is loaded into a tanker truck at a water tree on the north side of the well and then trucked to the office where it is discharged into a bladder located in the crawlspace under the building. Bladder is refilled periodically as needed. From the bladder water is diverted into the office plumbing by a booster pump and piping. Uses within the building include mechanical room with utility sink, kitchen/breakroom with sink, and men's and women's restrooms. Wastewater is discharged to a septic drainfield. The facility is utilized by approximately 10 employees.

Water for industrial purposes (wetting of compost) at the facility is diverted under 63-7755B and piped through a separate system to the compost area. There is no irrigation at the office.

Attachment A - Overlap Review

Attachment B - Maps of POU and POD

Attachment C - Exam Photos

Attachment D - Well Driller's Report

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

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F. FLOW CALCULATIONS ☐ Additional computation sheets attached

Measured Method:

Flow rate from well pump measured while pumping to irrigation through ABB Watermaster flow meter. Rate ranged from 800 to 1000 gpm (>2.00 cfs).

Limit rate to permit rate of 0.04 cfs.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

$V_{D.R}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = _____

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

2. Volume Calculations for Other Uses:

Per IDAPA 37.03.02.035.01.j, no annual diversion volume reporting needed for domestic uses as defined in Idaho Code 42-111.

Limit use to 2500 gpd per Idaho Code 42-111(b).

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
Domestic	1/1	12/31	0.04	
		Totals:	0.04	

2. Recommended Amendments

☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☒ None

☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATION

Field Examiner's Signature Terry M. Scanlan Date 7/22/2022

Reviewer _____ Date _____

PROFESSIONAL ENGINEER LICENSED SEAL 6266 STATE OF IDAHO TERRY M. SCANLAN

SCANNED FEB 06 2023

Attachment A

B. Overlap Review

1. Water Rights With Same Place of Use (SWNW Section 27)

Basin	Sequence	Suffix	Basis	Priority Date	Diversion Rate (cfs)	Source	Water Use	Owner
63	3013		Decreed	11/15/1954	3.3	GROUND WATER	IRRIGATION	CITY OF BOISE
63	3014		Decreed	11/15/1954	2.74	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7005	B	Decreed	6/14/1967	6.1	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7042	B	Decreed	12/6/1967	6.5	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7047		Decreed	2/17/1968	2.53	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7053		Decreed	1/10/1968	6.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	A	Decreed	3/29/1968	4.43	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	C	Decreed	3/22/1968	0.39	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	D	Decreed	3/22/1968	1.47	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7064	A	Decreed	4/11/1968	3.2	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7064	B	Decreed	4/11/1968	3.15	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7078	B	Decreed	3/18/1968	3.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7755	B	Decreed	3/23/1973	4.84	GROUND WATER	INDUSTRIAL, IRRIGATION	CITY OF BOISE
63	8130	B	Decreed	5/30/1975	2.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	8435		Decreed	4/13/1977	2.84	GROUND WATER	IRRIGATION	CITY OF BOISE
63	9243		Decreed	6/1/1979	2.6	GROUND WATER	IRRIGATION	CITY OF BOISE
63	9359		Decreed	3/19/1980	1.17	GROUND WATER	IRRIGATION	CITY OF BOISE
63	12461		Decreed	7/22/1998	4.58	GROUND WATER	IRRIGATION	CITY OF BOISE
63	12470		Decreed	9/9/1998	7.32	GROUND WATER	IRRIGATION	CITY OF BOISE

2. Water Rights With Same Point of Diversion (NWNW Section 34)

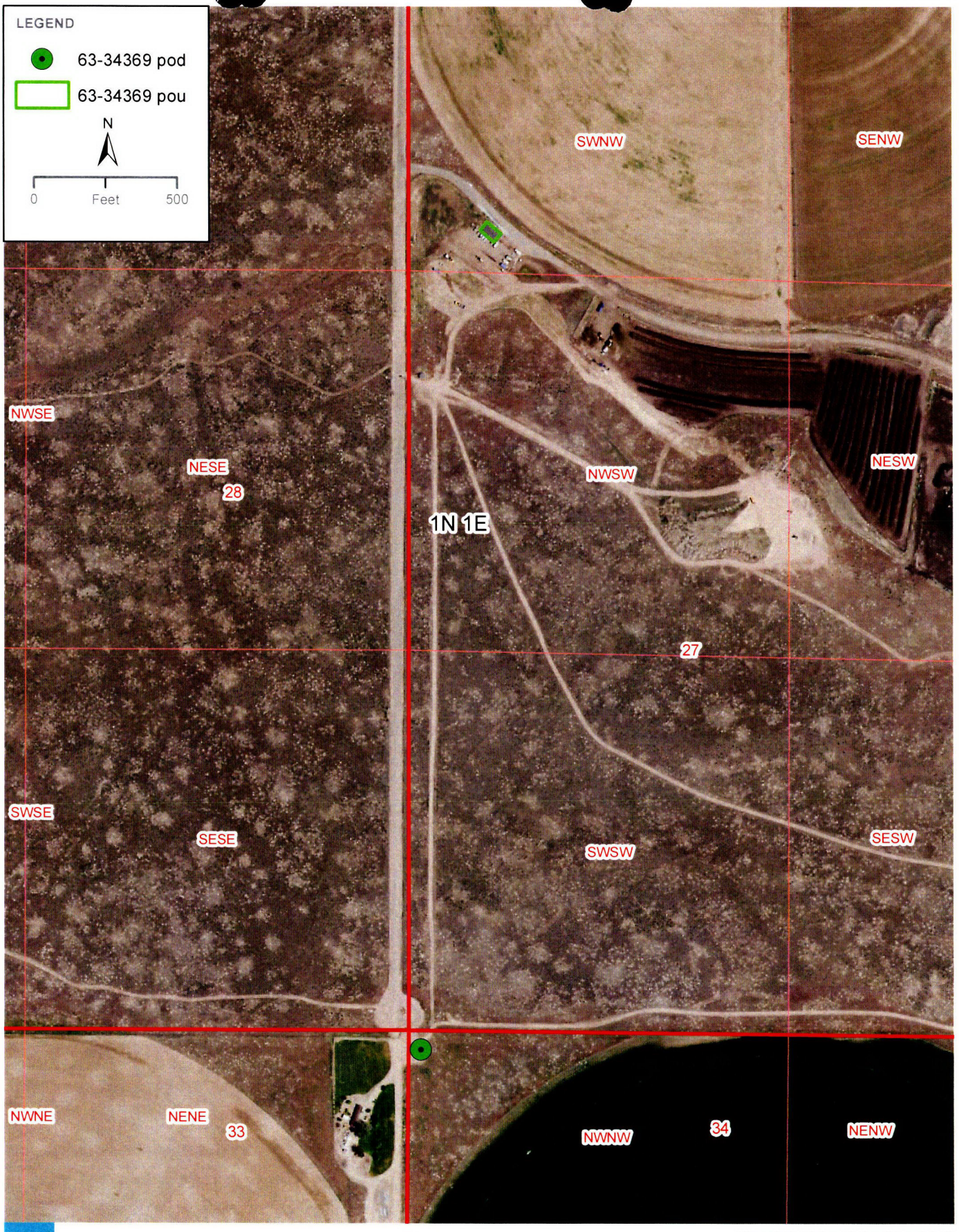
Basin	Sequence	Suffix	Basis	Priority Date	Diversion Rate (cfs)	Source	Water Use	Owner
63	3013		Decreed	11/15/1954	3.3	GROUND WATER	IRRIGATION	CITY OF BOISE
63	3014		Decreed	11/15/1954	2.74	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7005	B	Decreed	6/14/1967	6.1	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7042	B	Decreed	12/6/1967	6.5	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7047		Decreed	2/17/1968	2.53	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7053		Decreed	1/10/1968	6.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	A	Decreed	3/29/1968	4.43	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	C	Decreed	3/22/1968	0.39	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7055	D	Decreed	3/22/1968	1.47	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7064	A	Decreed	4/11/1968	3.2	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7064	B	Decreed	4/11/1968	3.15	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7078	B	Decreed	3/18/1968	3.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	7755	B	Decreed	3/23/1973	4.84	GROUND WATER	INDUSTRIAL, IRRIGATION	CITY OF BOISE
63	8130	B	Decreed	5/30/1975	2.4	GROUND WATER	IRRIGATION	CITY OF BOISE
63	8435		Decreed	4/13/1977	2.84	GROUND WATER	IRRIGATION	CITY OF BOISE
63	9243		Decreed	6/1/1979	2.6	GROUND WATER	IRRIGATION	CITY OF BOISE
63	9359		Decreed	3/19/1980	1.17	GROUND WATER	IRRIGATION	CITY OF BOISE
63	12461		Decreed	7/22/1998	4.58	GROUND WATER	IRRIGATION	CITY OF BOISE
63	12470		Decreed	9/9/1998	7.32	GROUND WATER	IRRIGATION	CITY OF BOISE

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[redacted] [redacted]

Attachment B – Maps of POU and POD

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FEB 06 2023



DATA SOURCE: NAIP 2021

BUFE IMAGERY MAP

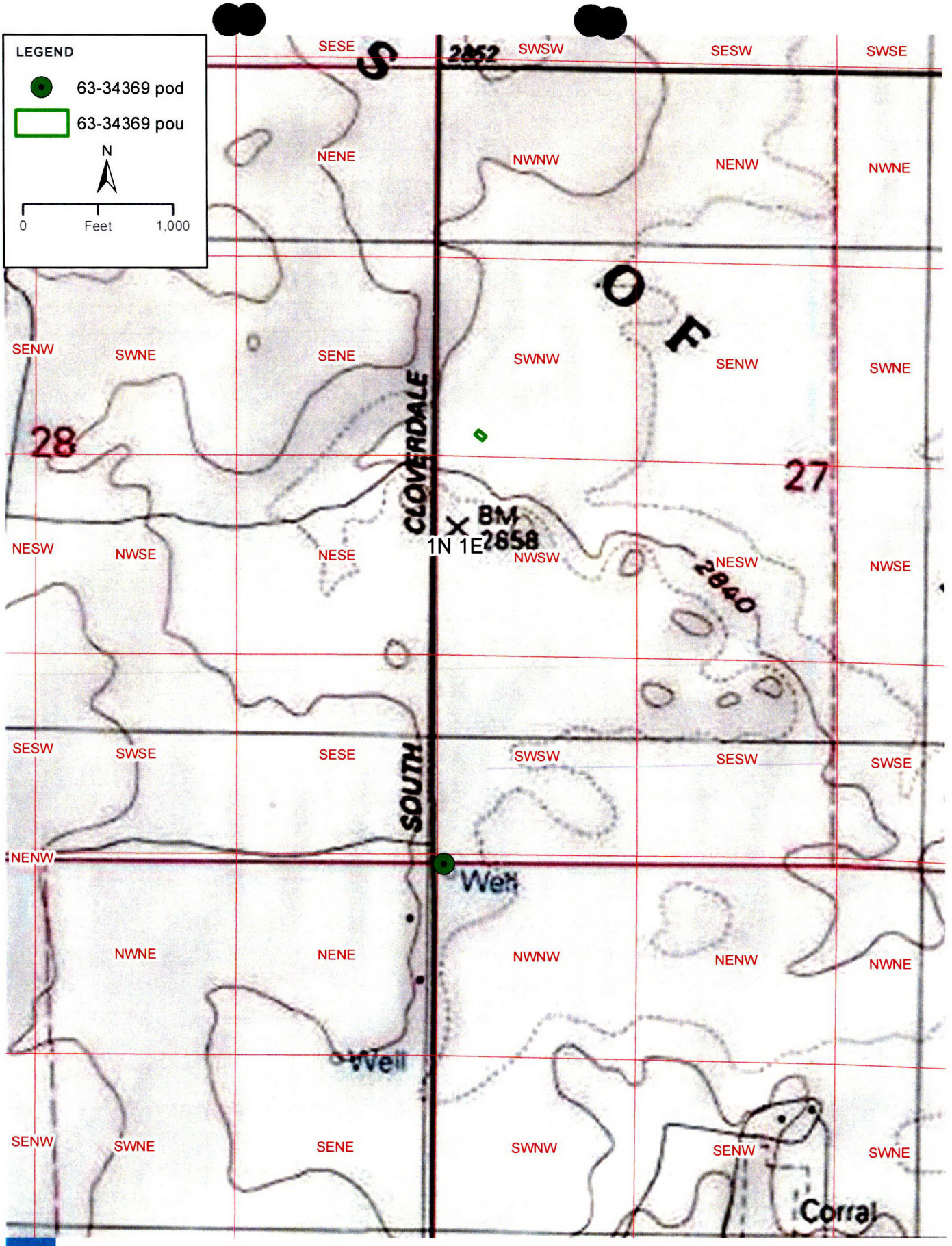
PERMIT 63-34369

CITY OF BOISE

PROJECT #1339882

PATH: C:\USERS\LGRAVES\DESKTOP\STARTUP MAP LG.MXD - USER: LGRAVES - DATE: 7/18/2022

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DATA SOURCE: USA Topo Maps

BUFE TOPO MAP

PERMIT 63-34369

CITY OF BOISE

PROJECT #1339882

PATH: S:\PROJECTS\A THRU D PROJECTS\C PROJECTS\CITY OF BOISE_389\1339882 - 1140_2022 MISC WATER RESOURCE SERVICES\PROJECT\GIS\ARCMAP_PROJECTS\BUFE IMAGERY MAP.MXD - USER: LGRAVES - DATE: 7/18/2022

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Attachment C – Exam Photos



125-hp vertical turbine pump discharge head and motor on Twenty Mile South Farm Well No. 9



Motor nameplate

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FEB 16 2023

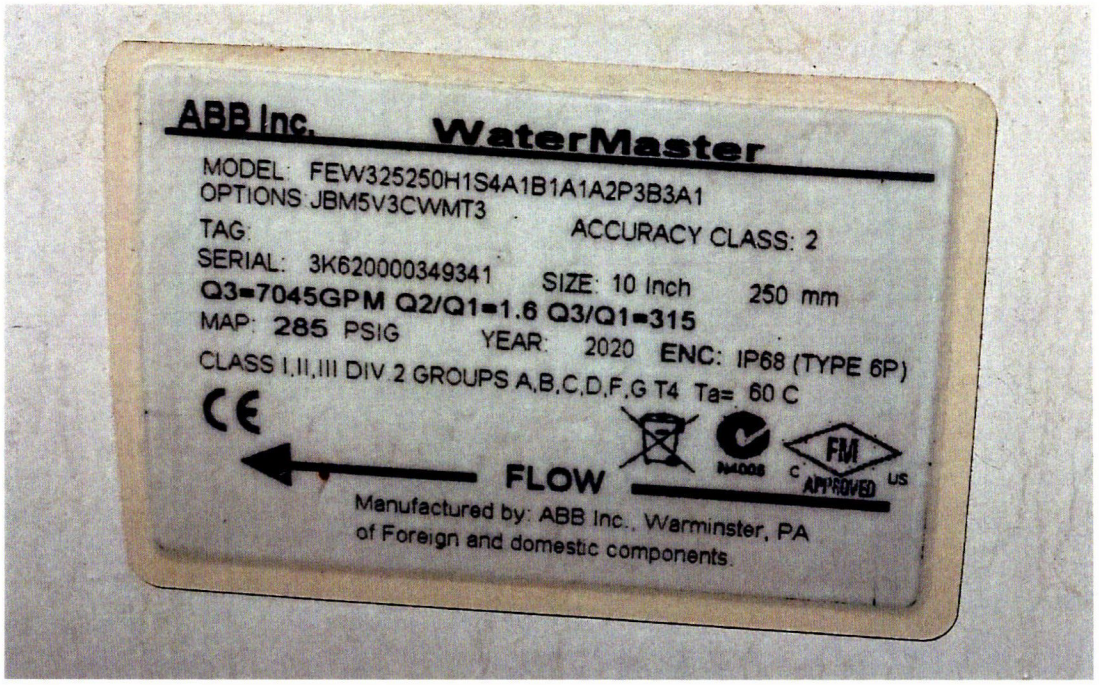


Motor controls



Discharge pipe on south side of well house; upper pipe goes to water tree; flow meter visible

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FEB 16 2023



Flowmeter nameplate



Flow meter display in well house

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Water tree for filling tanker truck with valve actuators in foreground



Water truck used to haul water from well to office

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Office building (place of use)



Bladder tank fill location at the south side of office

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bladder used for water storage, booster pump and hydropneumatic tank in office crawl space



Mechanical space with water heater and softener

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Breakroom sink

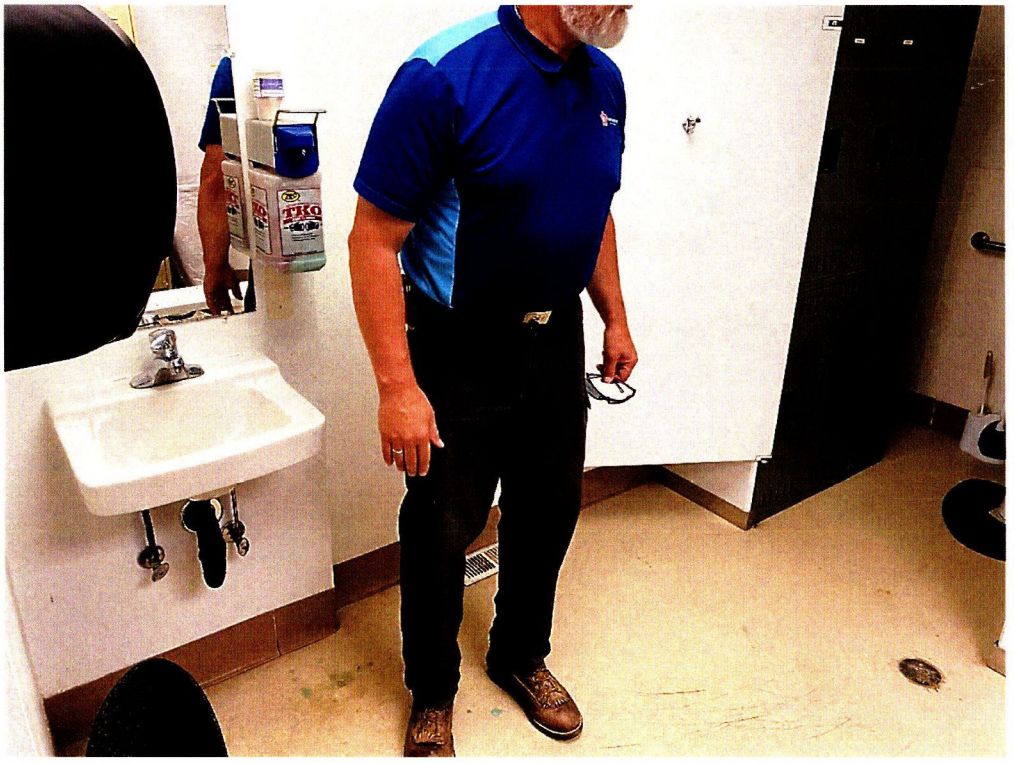


Bottled water is used for potable purposes

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Shower and sink in women's restroom



Sink and toilet stall in men's restroom.

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Attachment D - [redacted] Driller's Report [redacted]

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Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

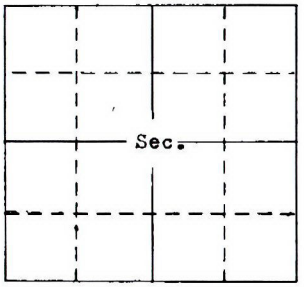
State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Robert V. DeShazo
Address Boise, Idaho

Owner's Permit No. 63-7664
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: irrigation
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other ☐ (explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
20 "Diam. from 0 ft. to 10 ft.
___ "Diam. from ___ ft. to ___ ft.
___ "Diam. from ___ ft. to ___ ft.
___ "Diam. from ___ ft. to ___ ft.
Thickness of casing: 1/4" Material:
Steel ☒ concrete ☐ wood ☐ other ☐ (explain)
PERFORATED? Yes ☐ No ☒ Type of perforator used:
Size of perforations: ___ " by ___ "
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐
No. ☒ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☒ No ☐ To what depth? 16 ft. Material used in seal: concrete and clay
Did any strata contain unusable water? Yes ☐
No. ☒ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☒ No ☐

Locate well in section



LOCATION OF WELL: County Ada
NE ¼ NW ¼ Sec. 34 T. 1 N/S R. 1 E/W

Use other side for additional remarks

Size of drilled hole: 20" Total depth of well: 400 ft. Standing water level below ground: 267 ft. Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:
Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☒

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL 108060	WATER YES OR NO
0	7	Top soil.	
7	10	Boulders.	
10	17	Gray lava.	
17	24	Red lava.	
24	30	Red and gray lava.	
30	45	Red lava.	
45	63	Red and gray lava.	
63	94	Gray lava.	
94	96	Red lava.	
96	110	Gray lava.	
110	135	Gray granite.	
135	142	Gray lava.	
142	146	Gray lava and cinders.	
146	160	Red cinders and clay.	
160	184	Brown lava and cinders.	
184	186	Granite.	
186	198	Brown lava and cinders.	
198	200	Black lava, hard.	
200	203	Brown, gray and red cinders.	
203	210	Red cinders.	
210	222	Red clay and cinders.	
222	230	Gray lava.	
230	243	Brown lava and cinders.	
243	266	Gray lava.	
266	280	Brown lava and cinders.	Yes
280	292	Black lava, hard.	
292	309	Brown lava.	
309	315	Brown lava and granite.	
315	317	No cuttings.	
317	327	Black lava.	
327	370	Brown lava.	
370	387	Gray lava.	
387	398	Yellow clay.	
398	400	Gray lava.	

Work started: 3/8/68
Work finished: 7/3/68

Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: C. L. Hiddleston & Son
Address: 1222 Oakland Dr. Boise, Ida.
Signed by: C. L. Hiddleston
License No. 35 Date: 9/16/68

USGS

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