

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Exam Date: 05/20/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y \_\_\_ N
- a. \_\_\_ Irrigation of 5 acres or less
- b. \_\_\_ Storage of up to 14.6 AF for stockwater purposes only
- c. X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. \_\_\_ Other.

2. Current Owner:

**Canyon County**

Owner of Record Correct? \_\_\_ N

Address of Record Correct? \_\_\_ N

If No Explain:

3. Beneficial Use Fees have been paid: X Y \_\_\_ N Receipt No: W051912

4. Source: Tributary:

**GROUND WATER****NA**Method of Determination: GIS, and Tax Parcel DataChange in Source: \_\_\_ Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: \_\_\_ No Overlap

| Water Right No. | Source      | Purpose of Use           | Basis   |
|-----------------|-------------|--------------------------|---------|
| 63-21870        | Groundwater | Domestic                 | Decreed |
| 63-12126        | Groundwater | Commercial/ Domestic     | License |
| 63-8955         | Groundwater | Domestic/Fire Protection | Decreed |

Comments: The rights listed above all list Canyon County as the current owners and all have places of use (POU) overlapping the permit POU. Right 63-8955 for domestic use and fire protection is in the NWSW of section 21; however, 2023 aerial imagery indicates there are not any structures visible in the quarter/quarter. Right 63-21870 is for a different beneficial use than the permitted use. Right 63-12126 partially overlaps the permit POU in the SWSE of section 21. The overlapping commercial use is described in the backfile as groundwater for use within the commercial buildings including the caretaker's house, office restrooms, scale house w/ bathroom, shop with bathroom, public restrooms, and a fire hydrant/truck fill area for dust suppression, equipment cleaning, and fire control. The applicant emailed that the use developed for this permit is from a well not used for other purposes or rights and is needed in addition to the current use provided throughout the landfill under other partially overlapping POUs.

2. Other water rights with the same point of diversion: X NO Overlap

| Water Right No. | Source      | Purpose of Use | Basis   |
|-----------------|-------------|----------------|---------|
| 63-21870        | Groundwater | Domestic       | Decreed |

Comments: Domestic use right 63-21870 shares the permit point of diversion (POD). However, the well and right were acquired through a land deal with the County and was then widened to provide the commercial use developed under this permit.

**C. DIVERSION AND DELIVERY SYSTEM**

1. Location of Point(s) of Diversion:

| Source                | Govt. Lot | 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. |      | County |
|-----------------------|-----------|-----|-----|-----|------|------|------|------|--------|
| Well Permit ID 782307 |           |     | NE  | NE  | 20   | 02N  | 03W  | B.M. | CANYON |

Method of Determination: GIS, and Tax Parcel DataChange in POD? \_\_\_ Y X N Amendment Required? \_\_\_ Y X N2. Place of Use: **COMMERCIAL & FIRE PROTECTION**

| TWP           | RGE | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|---------------|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|               |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 02N           | 03W | 20  | X  | X  | X  | X  |    |    |    |    |    |    |    |    | X  | X  | X  | X  |        |
| 02N           | 03W | 21  |    | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  |    | X  | X  |    |        |
| Total Acres = |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

Method of Determination: GIS, and Tax Parcel Data

Change in POU? ☐ Y ☒ X N Amendment Required? ☐ Y ☒ X N☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable:

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be

1:24,000 or greater.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

| 3. Diversion Id No.* | Motor Make | HP      | Pump Model | Pump Make | Pump Serial No. or Discharge Size |
|----------------------|------------|---------|------------|-----------|-----------------------------------|
| Well ID 353379       | Unknown    | Unknown | Unknown    | Unknown   | Unknown                           |

\*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 |
|--------------------------|------|------|-----------|------------|------|-------------|
| NONE                     | NA   | NA   | NA        | NA         | NA   | NA          |

2. Measurement Comments: The permit holder stated that the system uses a pump operating at a rate of 20 GPM filling a 15,000 gallon storage tank.**E. FLOW CALCULATIONS**☐ Additional Computation Sheets Attached

Measured Method:

A theoretical calculation and Administrative Memos #17, and 22 were used to determine a reasonable rates of diversion.

20GPM/448.83 gal/1cfs= 0.044cfs

Permit allowed = 0.14cfs

Recommendation= 0.04cfs

Comments:

Based on stepdrawdown testing on the well, over 10-hour usage spans the well is capable of sustainable use at a rate of 0.044cfs without causing a significant depression in the static water level in the surrounding area. The description of the system installed states it is designed to deliver a rate of 0.04 cfs. I recommend a rate of 0.04cfs for the combined uses on the license.**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

NA

2. Volume calculations for Commercial (dust abatement) use:

6 water truck fills daily x 3500 gal per truck x (6 day/week x 52 week/year – 8 holiday/operations closed= 304 days per yr) / 325,850gal per AF = 19.6 AF annually

Comments:

A phone conversation and email correspondence with the representative, David Loper, determined that usage is consistent throughout the year, when diversion is not necessary for dust abatement on roadways it is still used for dust reduction operating the grinder and other landfill operations requiring dust abatement (such as settling). In correspondence the County representative explained that the usage applied for in the permit is needed in addition to that currently provided by existing commercial and fire protection rights held by the County for the landfill. Based on the days of operation and average daily usage provided by the permit holder the calculation above was made to convert the usage described to an annual volume in acre-feet. I recommend an annual volume of 19.6 AF for commercial use on the license.**G. PURPOSE OF USE**Irrigation ☐ Y ☒ X N # Stock NADomestic # of Homes NAChange in Purpose of Use? ☐ Y ☒ X NMethod of Determination: GIS, and Tax lot Data

**H. NARRATIVE/REMARKS/COMMENTS**

This permit for commercial (for dust control) and fire protection use qualifies for an in-office examination for license. The permit holder submitted the Proof of Beneficial Use, received by IDWR on April 26, 2024, stating in section #3 that the beneficial use was developed for Commercial -dust control use. The place of use is the entire Pickle Butte Sanitary Landfill, owned and operated by Canyon County (the permit holder). The county holds several rights within the permit POU. However, only one (domestic use) right shares the same well POD as the permit. Commercial & Domestic use right 63-12126 is for internal facility water use, dust abatement, and fire protection in the POU within the SWSE of section 21 (figure 1). Domestic and Fire Protection right 63-8955 overlaps the permit fire protection use POU in the SWNW of section 21 (figure 1). Concerns regarding the overlaps were negligible as the proposed permit use has been properly assessed in advance of a recommendation for the elements of the beneficial uses. I was unable to determine the total number of days annually the commercial use is applied, so I called the permit holder requesting additional information regarding any periods of non-use or reduced usage and an actual number of days yearly that the use is fully applied. David Loper, the Director for Canyon County Solid Waste, emailed describing the usage as being consistent throughout the days the landfill is open (304 days per calendar year). Based on the information provided the annual volume used is approximately 19.6 AF for commercial use associated with the operation of the Pickles Butte Landfill (see calculation and comments in section F).

Based on the step drawdown testing data provided with the proof of beneficial use submitted, the system was developed for a sustained 0.04cfs rate for filling the 15,000 gallon tank, which is used to fill water trucks for commercial and fire protection use.

I recommend the license be issued with a combined total rate of 0.04cfs based on the system design limitations provided by the permit holder and conditions 077, 103 and the commercial use description condition used on the permit. Condition 046 should be removed for licensing, as per current guidance. Condition 121 should be replaced by condition 103 for the license, as per current guidance.

Have conditions of permit approval been met? ☒ Yes ☐ No

**I. RECOMMENDATIONS**

## 1. Recommended Amounts:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>DIVERSION RATE</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|-----------------------|----------------------|
| COMMERCIAL            | 01/01 TO 12/31       | 0.04CFS               | 19.6 AF              |
| FIRE PROTECTION       | 01/01 TO 12/31       | 0.04CFS               |                      |
| <u>Totals:</u>        |                      | 0.04CFS               |                      |

## 2. Recommended Amendments:

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

Other: < >

**J. AUTHENTICATION- Bob Howe- Water Resource Agent**

Field Examiner's



Date

7-29-2024

Reviewer



Date

7/31/24

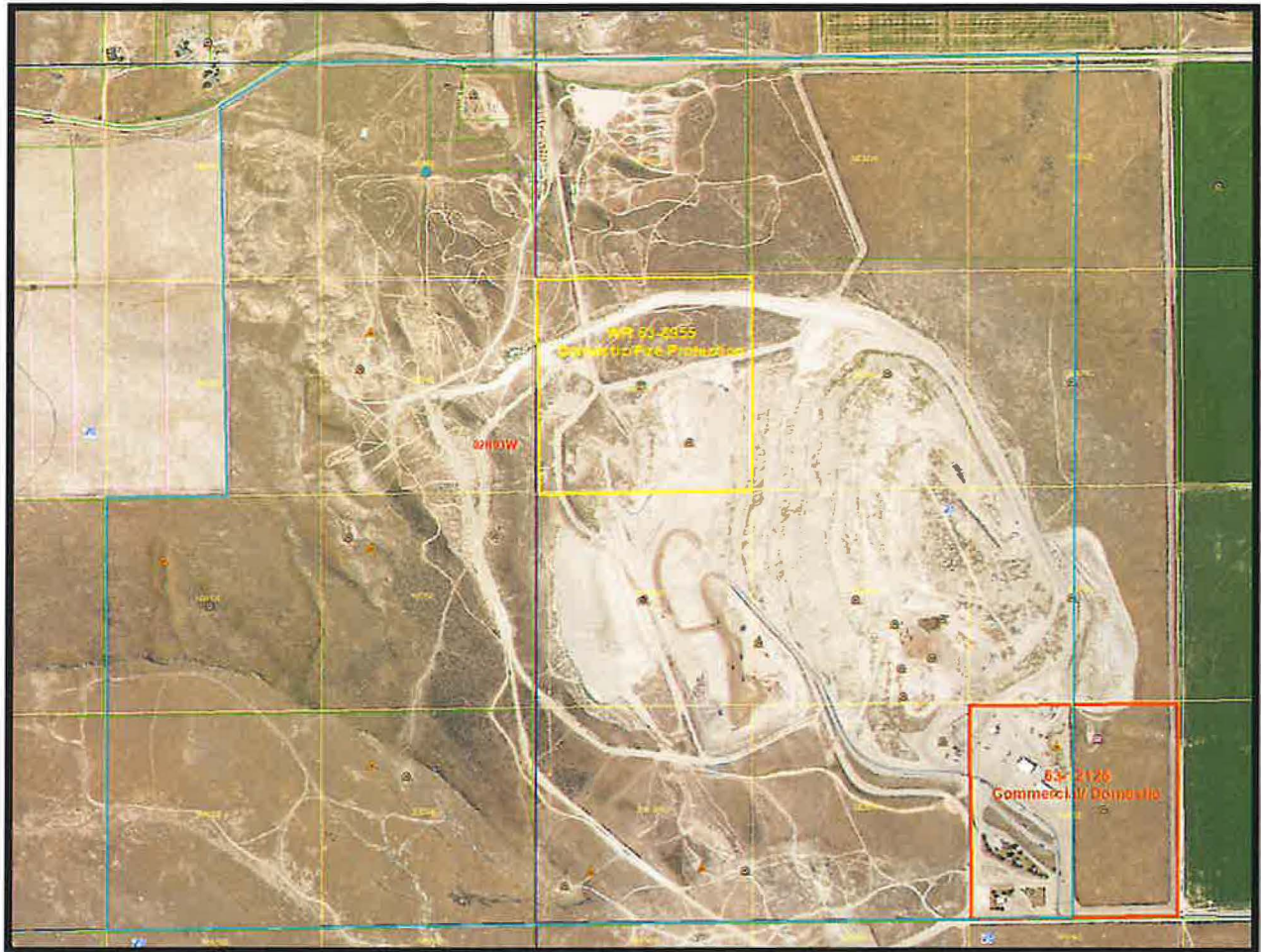


Figure 1- GIS 2023 imagery of the permit POU (blue outlined area) and POD (blue point in the NENE). The overlapping POUs of commercial and fire protection rights are outlined in red and yellow.

**Howe, Bob**

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**From:** David Loper <David.Loper@canyoncounty.id.gov>  
**Sent:** Friday, May 17, 2024 8:49 AM  
**To:** Howe, Bob  
**Cc:** McGraw, Maureen  
**Subject:** RE: Further Clarification Requested- RE: [External] Additional Information Requested Re: Pckle Butte Sanitary Landfill Permit 63-34858

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Bob,

Hope this helps,

Thanks,

David

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**From:** Howe, Bob <Bob.Howe@idwr.idaho.gov>  
**Sent:** Thursday, May 16, 2024 9:41 AM  
**To:** David Loper <David.Loper@canyoncounty.id.gov>  
**Cc:** McGraw, Maureen <Maureen.McGraw@tetrattech.com>  
**Subject:** Further Clarification Requested- RE: [External] Additional Information Requested Re: Pckle Butte Sanitary Landfill Permit 63-34858

Good Morning David,

Thank you for your response and your call. If I understand your comment and our phone conversation correctly. The commercial use is for dust abatement, which is used on roads, site areas and while running the grinder. These uses combined remain consistent throughout weather conditions during all the days of operation, which total 304 days per year. Is this correct? **yes**

One final item that we discussed in our phone conversation was the other rights within the permit place of use that include commercial dust abatement and fire protection. You also mentioned that the Domestic wells in the landfill area are not used for dust and fire protection. Are the 6 trucks filled daily for commercial dust abatement use on the permit in addition to the other rights, or is this the total use throughout the place of use when combined with the other rights? **Yes, in addition**

Specifically, those other commercial and fire protection rights for the facilities and the areas surrounding them in the southwest of the permit place of use.

Feel free to reach out to me with any questions or concerns.

Best Regards,



IDAHO DEPARTMENT OF  
**WATER RESOURCES**

Bob Howe | Water Resource Agent

322 E Front St, PO Box 83720, Boise, ID 83720

(208) 287-4800 | [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

**From:** David Loper <[David.Loper@canyoncounty.id.gov](mailto:David.Loper@canyoncounty.id.gov)>

**Sent:** Wednesday, May 15, 2024 2:53 PM

**To:** Howe, Bob <[Bob.Howe@idwr.idaho.gov](mailto:Bob.Howe@idwr.idaho.gov)>; David Loper <[David.Loper@canyoncounty.id.gov](mailto:David.Loper@canyoncounty.id.gov)>

**Cc:** McGraw, Maureen <[Maureen.McGraw@tetrattech.com](mailto:Maureen.McGraw@tetrattech.com)>

**Subject:** RE: [External] Additional Information Requested Re: Pckle Butte Sanitary Landfill Permit 63-34858

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Bob,

Please find the below response in red, and per our phone conversation last week.

Thank you,

David

**From:** Howe, Bob <[Bob.Howe@idwr.idaho.gov](mailto:Bob.Howe@idwr.idaho.gov)>

**Sent:** Tuesday, May 7, 2024 10:50 AM

**To:** David Loper <[David.Loper@canyoncounty.id.gov](mailto:David.Loper@canyoncounty.id.gov)>

**Subject:** [External] Additional Information Requested Re: Pckle Butte Sanitary Landfill Permit 63-34858

Dear David Loper-Canyon County,

The Department received the Proof of Beneficial Use you submitted for permit #63-34858, for dust abatement at Pickle Butte Sanitary Landfill. I am currently reviewing the permit eligibility for an in-office examination for licensing. In-office examination expedites the licensing process by using information and documentation submitted by the permit holder(s) and GIS aerial images to process the examination without the need for a field examination to be scheduled and conducted at a later time. The permit issued provided a scope for the development of future uses. The purpose of the examination is to record the details of the use that has been developed.

After reviewing your Proof of Beneficial Use and supporting documentation, there is an item in need of further clarification.

There is no value assessed, nor adequate data to determine the annual volume of water used for dust control at Pickles Butte Sanitary Landfill included in the proof submitted.

The information you have provided describes the use as 6 truck fills per day (at 3500 gal per truck fill) for a total of 21,000 Gallons per day. However, the number of days per year that water is used for this purpose is not provided.

**The system could be used 304 days out of the calendar year.**

Based on the Online posting the Landfill hours of operation are 6 days a week year round with 8 holidays on which the Landfill is closed.  $6 \times 52 = 312$  - 304 days of operation per year.

When there is precipitation or in freezing conditions does the application for dust control cease or is it decreased? Please provide the maximum number of days yearly the water is used for dust abatement as described. **304**

Feel free to reach out to me with any questions or concerns regarding the items requested. If I am unavailable any of my team members should be able to assist you, if you provide your permit # 63-34858. It is important that you **respond to this request within 14 days** by email and/or phone, in order to pursue this method to expedite your licensing process.

Thank you for your time and attention in this matter.

Best Regards,

**Bob Howe**

 IDAHO DEPARTMENT OF  
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