Idaho Department of Environmental Quality
Reuse Permit
M-216-03

(Previous Permit No. LA-000216-02)

City of Ketchum and Sun Valley Water and Sewer District (hereafter "permittee") is hereby authorized to construct, install, and operate a reuse facility in accordance with (1) this permit; (2) IDAPA 58.01.17 "Recycled Water Rules"; (3) an approved plan of operation; and (4) all other applicable federal, state, and local laws, statutes, and rules. This permit is effective from the date of signature and expires September 13, 2032.



Signature

09/13/2024

Date

Susan Switzer

Regional Administrator
Twin Falls Regional Office
Idaho Department of Environmental Quality

Idaho Department of Environmental Quality
Twin Falls Regional Office
650 Addison Avenue West, Suite 110
(208) 736-2190

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1. Common Acronyms/Abbreviations and Definitions

BOD_5	Five Day Biological Oxygen Demand
CA	compliance activity
DEQ	Idaho Department of Environmental Quality
director	DEQ director or designee unless otherwise specified
E_i	irrigation efficiency
EPA	United States Environmental Protection Agency
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
GW	prefix for groundwater reporting serial number
IDAPA	Numbering designation for all administrative rules in Idaho promulgated according to the Idaho Administrative Procedure Act
IDWR	Idaho Department of Water Resources
NPDES/IPDES	National Pollutant Discharge Elimination System/Idaho Pollutant Discharge Elimination System, as applicable and most current.
lb	pound
LG	prefix for lagoon reporting serial number
material change	a change in a document required by this permit that would impact DEQ's ability to ensure compliance and protect human health and the environment
µmhos/cm	micromhos per centimeter
MG	million gallons
mg/kg	milligram per kilogram
mg/L	milligram per liter
mL	milliliter
NTU	nephelometric turbidity unit
N	nitrogen
ppm	parts per million
P	phosphorus
PO	plan of operation

QAPP	quality assurance project plan
RED	reduction equivalent dose – is the minimum UV dose required for inactivation of target pathogens based on the UV disinfection system dose algorithm developed using the results of bioassay testing.
responsible official	facility contact person authorized by the permittee to communicate with DEQ on behalf of the permittee on any matter related to the permit, including without limitation, the authority to communicate with and receive notices from DEQ regarding notices of violation or non-compliance, permit violations, permit enforcement, and permit revocation. The responsible official provides written certification of permit application materials, annual report submittals, and other information submitted to DEQ as required by the permit. Any notice to or communication with the responsible official is considered a notice to or communication with the permittee. The responsible official may designate an authorized representative to act as the facility contact person for any of the activities or duties related to the permit, except signing and certifying the permit application, which must be done by the responsible official. The authorized representative must act as the responsible official and will bind the permittee as described in this definition. Designation of the authorized representative must follow the requirements specified in section 6.1.3 of the permit.
SW	prefix for supplemental irrigation water reporting serial number
UV	ultraviolet light
UVT	UV transmittance is the ratio of light entering the water to that exiting the water
WW	prefix for wastewater reporting serial number
SVWSD	Sun Valley Water and Sewer District
yr	year

2. Facility Information

Information Type	Information Specific to This Permit
Class of recycled water	Municipal Recycled Water, Class A
Method of treatment	Headworks (screening and grit removal), primary activated sludge treatment, secondary clarification, tertiary filtration, and UV disinfection.
Method of reuse	Slow rate land application and other non-potable uses per IDAPA 58.01.17.602.02.
Collection and treatment system classification	Wastewater collection system classification Ketchum: I Wastewater collection system classification SVWSD: II Wastewater treatment system classification: IV
Facility location	110 River Ranch Road Ketchum, Idaho 83340
Facility mailing address	P.O. Box 2315 Ketchum, Idaho 83340
Facility responsible official and authorized representative	**Responsible Official:** Mayor City of Ketchum P.O. Box 2315 Ketchum, Idaho 83340 (208) 726-7825 participate@ketchumidaho.org **City of Ketchum Authorized Representative:** Wastewater Department Supervisor City of Ketchum P.O. Box 2315 Ketchum, Idaho 83340 (208) 726-7825 mmummert@ketchumidaho.org **SVWSD Authorized Representative:** General Manager P.O. Box 2410 Sun Valley, Idaho 83353 (208) 622-7610 pat@svwsd.com Notify DEQ within 30 days if there is a change in personnel for any of the above facility contacts. A minor permit modification will be issued by DEQ to confirm the change.

Groundwater	Seasonal depth ranges from 10 to 90 feet below ground surface. Shallow, unconfined aquifer, generally flowing in a south direction.
Surface water	Big Wood River and numerous small tributaries. Beneficial uses include: cold water aquatic life, salmonid spawning, primary and secondary contact recreation, special resourced water, domestic water supply, and agricultural water supply

3. Compliance Schedule for Required Activities

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-216-01 Six (6) months after issuance	**Plan of Operation (PO)**: The permittee must submit to DEQ for review and approval a PO that reflects current operations and incorporates the requirements of this permit. The PO must comply with the applicable requirements stated in IDAPA 58.01.17.300.05 and must address applicable items in the most current Plan of Operations Checklist available. The PO must be updated as needed to reflect current operations. The permittee must notify DEQ of material changes to the PO and copies must be kept on site and made available to DEQ upon request.

<table>
<tr><th>Compliance Activity (CA) Number and Completion Due Date</th><th>Compliance Activity Description</th></tr>
<tr><td>CA-216-02
Six (6) months after permit issuance</td><td>
Quality Assurance Project Plan (QAPP): The permittee must prepare and implement a QAPP that incorporates all monitoring and reporting required by this permit. A copy of the QAPP along with written notice that the permittee has implemented the QAPP must be provided to DEQ. The Permittee must follow the QAPP when collecting, analyzing, and reporting monitoring data submitted to DEQ.

The QAPP must be designed to assist in planning for collecting, analyzing, and reporting all monitoring in support of this permit and in explaining data anomalies when they occur. At a minimum, the QAPP must include the following:

1. Details on the number of measurements, number of samples, type of sample containers, preservation of samples, holding times, analytical methods, analytical detection and quantitation limits for each target compound, type and number of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements
2. Maps indicating the location of each monitoring and sampling point
3. Qualification and training of personnel
4. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee
5. Example formats and tables that will be used by the permittee to summarize and present all data in the annual report

The format and content of the QAPP should adhere to the recommendations and references in the Quality Assurance and Data Processing sections of the reuse guidance.

The permittee must amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP. The permittee must notify DEQ of material changes to the QAPP and copies must be kept on site and made available to DEQ upon request.
</td></tr>
<tr><td>CA-216-03
As specified</td><td>
Seepage Testing: The following table shows the date by which the permittee must complete seepage testing on the specified lagoons:

<table>
<tr><td>Lagoon:</td><td>Seepage Test Due Date:</td></tr>
<tr><td>LG-216-02 (Weyyakin Pond)</td><td>2024</td></tr>
</table>

Submit to DEQ for review and approval a proposed schedule and procedure for performing the required seepage tests at least 45 days prior to the planned seepage test. The seepage test procedures must be sealed by the Idaho licensed professional engineer or professional geologist in responsible charge for the test.

Seepage tests must be completed according to the procedures approved by DEQ. The seepage test report must be sealed by the person in responsible charge and submitted within 90 days after completion of the seepage test.

Allowable seepage rates can be found in IDAPA 58.01.16.493.03. Requirements for lagoons leaking above the allowable amount are outlined in IDAPA 58.01.16.493.04.
</td></tr>
</table>

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-216-04 As specified	**Disinfection Monitoring Report:** If the permittee is proposing a reduced monitoring frequency for total coliform, then the permittee must submit to DEQ for review and approval a Disinfection Monitoring Report within two (2) years of permit issuance that fully demonstrates that a reduction in monitoring frequency will not have detrimental effect upon existing water quality, beneficial uses, and human health. 1. The report must summarize the historical operation and performance of the Class A recycled water disinfection system. 2. The report must discuss the results and adequacy of required daily total coliform monitoring. 3. The report must also include an analysis of risks to human health and the environment that would result from a reduced total coliform monitoring frequency. If the disinfection monitoring report indicates that a reduced monitoring frequency is protective of water quality, beneficial uses, and human heath, the permittee may propose a new monitoring frequency.
CA-216-05 One (1) year prior to the expiration date of this permit	**Pre-application Conference:** If the permittee intends to continue operating the reuse facility beyond the expiration date of this permit, the permittee must contact DEQ and schedule a pre-application conference to discuss the compliance status of the facility and the content required for the reuse permit application package.
CA-216-06 180 days prior to the expiration date of this permit	**Permit Renewal Application:** The permittee must submit to DEQ a complete permit renewal application package that fulfills the requirements specified in CA-216-05 and identified at the pre-application conference.

4. Permit Limits and Conditions

4.1 Recycled Water Irrigation Area Descriptions

Description	Irrigation System Type and Irrigation Efficiency (E_i)	Maximum Acres Allowed
Weyyakin Ranch Subdivision	Residential: Varies (E_i = 0.85) Pasture: Varies (E_i = 0.60)	66
Elkhorn Golf Course	Varies (E_i = 0.85)	118
	Total acreage	184

4.2 Hydraulic Loading Limits

Description	Growing Season Hydraulic Loading	Nongrowing Season Maximum Hydraulic Loading
All areas of Class A Recycled Water use	No Limit	Not Allowed[a]

a. Irrigation is only allowed during the growing season.

4.3 Constituent Loading Limits

Description	Constituent Loading from All Sources	
	Nitrogen (lb/acre)	Non-volatile dissolved solids (lb/acre)
All areas of Class A Recycled Water use	No Limit	No Limit

4.4 Management Unit Buffer Zones

Description	Buffer Distances (in feet) from Hydraulic Management Units					
	Public Water Supplies	Private Water Supplies	Inhabited Dwellings	Permanent and Intermittent Surface Water	Irrigation Ditches and Canals	Areas Accessible to the Public
All areas of Class A Recycled Water use	100[a]	100[a]	-	-	-	-

a. These buffer zone distances must be maintained unless a well location acceptability analysis approved by DEQ indicates reduced buffer distances are acceptable.

4.5 Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing season	April 1 through October 31 (214 days)
Nongrowing season	November 1 through March 31 (151 days)
Reporting year for annual loading rates	November 1 through October 31
Application season	• Irrigation is only allowed during the growing season. • Other Class A recycled water uses are allowed year-round.
Allowed Recycled Water Uses	• Uses allowed for Class A recycled water are listed in Recycled Water Rules, IDAPA 58.01.17.602.02, exclusive of groundwater recharge. • The DEQ approved PO must state all recycled water uses and be kept up to date.
Turbidity limits in treated effluent prior to disinfection	• An in-line, continuously monitoring and recording turbidimeter is required following filtration and prior to disinfection. • The daily arithmetic mean of all measurements of turbidity must not exceed 2 NTU. • Turbidity must not exceed 5 NTU at any time.
Disinfection limits in recycled water	Class A: • The median number of total coliform organisms must not exceed 2.2 total coliform organisms/100 mL, as determined from the bacteriological results of the last 7 days for which analyses have been completed. • No sample will exceed 23 total coliform organisms/100 mL in any confirmed sample.
Disinfection system requirements	• The UV disinfection process, when combined with filtration, must achieve 5-log inactivation of virus. • Maintain total flow through the UV disinfection system to less than 3.1 MGD, with a maximum flow of 1.56 MGD per channel. • Maintain the RED at or above 100 milliJoules per square centimeter (mJ/cm^2). • Maintain the UVT at the appropriate value, within the validated operational range (64.5-86.8%), that yield the required RED. • Disinfect the common splitter box after every incident, accidental or deliberate, in which effluent quality exiting the UV disinfection train does not comply with Class A recycled water requirements, specified in IDAPA 58.01.17.601.01, before returning to Class A recycled water production.

Category	Permit Limits and Conditions
Turbidity and disinfection limit exceedances.	• Automatic activation of the redundant system (NPDES/IPDES discharge) must occur if turbidity exceeds 5 NTU for more than 5 minutes or if the disinfection system does not achieve the required 5-log removal/inactivation of virus for more than 5 minutes. • The maximum number of times that the turbidity or disinfection limits can be exceeded is twice in one week, all of which are required to be immediately reported in accordance with Section 6.2 of this permit.
Nitrogen limit	Total nitrogen must not exceed 30 mg/L based on a monthly arithmetic mean as determined from weekly composite sampling.
BOD_5 limit	BOD_5 must not exceed 10 mg/L based on a monthly arithmetic mean from weekly composite sampling.
pH limit	The pH must be between 6.0 and 9.0 as determined by daily grab samples or continuous monitoring.
Operator certification and endorsement	The wastewater treatment facility and reuse system must be operated by personnel certified and licensed in the State of Idaho wastewater operator training program at the operator class level specified in IDAPA 58.01.16.203 and properly trained to operate and maintain the system.
Requirements for Class A recycled water distribution system operators	• All operators of Class A recycled water distribution systems, including operators of distribution systems that utilize a combination of Class A recycled water and other irrigation waters, operators of the distribution system from the wastewater treatment plant to the point of compliance or point of use or point of sale, as applicable, and those operators that are employed by buyers of the Class A recycled water for subsequent use, including home occupants, must be required to sign a utility user agreement provided by the utility providing the Class A recycled water that states that the user understands the origin of the effluent and the concept of agronomic rate for applying the Class A recycled water. Contracts for sale of Class A recycled water for subsequent use must also include these requirements. Individual homeowners are allowed to operate or maintain Class A recycled water distribution systems. • Providers of the Class A recycled water must undertake a public education program within its service area to teach potential customers the benefits and responsibilities of using Class A recycled water. • Executed user agreements must be retained by the permittee until such time as Class A recycled water is no longer provided or available to the user.
Access	Drinking fountains, picnic tables, food establishments, and other public eating facilities must be placed out of any spray irrigation area in which Class A recycled water is used, or must be otherwise protected from contact with the Class A recycled water.

Category	Permit Limits and Conditions
Recycled water storage and irrigated public area identification and signage	Where Class A recycled water is stored or impounded, or used for irrigation in public areas, warning signs must be installed and contain, at a minimum, one inch purple letters (Pantone 512, 522 or other equivalent product acceptable to DEQ) on a white or other high contrast background notifying the public that the water is unsafe to drink. Signs may also have a purple background with white or other high contrast lettering. Warning signs and labels must read, in English or a secondary language as applicable, “Caution: Recycled Water - Do Not Drink” or equivalent signage approved by DEQ.
Recycled water pumping facilities identification and signage	• All exposed and above ground piping, risers, fittings, pumps, valves, etc., must be painted purple color (Pantone 512, 522 or other equivalent product acceptable to DEQ). In addition, all piping must be identified using an accepted means of labeling reading “Caution: Recycled Water - Do Not Drink” or equivalent signage in English lettering or a secondary language as applicable. In a fenced pump station area, signs must be posted on the fence on all sides. • Warning labels must be installed on designated facilities such as, but not limited to, controller panels and washdown or blow-off hydrants on water trucks, hose bibs, and temporary construction services. The labels must read, “Caution: Recycled Water - Do Not Drink” or equivalent signage, in English or a secondary language as applicable.
Recycled water distribution system identification and signage	• All new buried pipe conveying Class A Recycled Water, including service lines, valves, and other appurtenances, must be colored purple, and the precise color used, e.g., Pantone 512, 522 or equivalent, must be consistently used throughout the system. The precise color proposed for use must be identified in the plans and specifications. If fading or discoloration of the purple pipe is experienced during construction, identification tape or locating wire along the pipe is required. Label piping every 10 feet “Caution: Recycled Water - Do Not Drink” or equivalent signage in English or a secondary language as applicable. • If identification tape is installed along with the purple pipe, it must be prepared with white or black printing on a purple color field as approved by DEQ, having the words, “Caution: Recycled Water - Do Not Drink” or equivalent signage in English or a secondary language as applicable. The overall width of the tape must be at least 3 inches. Identification tape must be installed 18 inches above the transmission pipe longitudinally, must be centered over the pipe, and must run continuously along the length of the pipe. • All valves must have locking valve covers that are non-interchangeable with potable water valve covers, and must have an inscription cast on the top surface stating “Recycled Water.” • All above ground pipes and pumps must be consistently color coded (purple) and marked to differentiate Class A recycled water facilities from potable water facilities. • The permittee must maintain detailed and up to date maps of the recycled water distribution system.

Category	Permit Limits and Conditions
Construction plans	Pursuant to Idaho Code §39-118, IDAPA 58.01.16, and IDAPA 58.01.17, detailed plans and specifications must be submitted to DEQ for review and approval prior to construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, groundwater monitoring wells, or reuse facility. Inspection requirements must be satisfied and within 30 days of completion of construction, the permittee must submit as-built plans or a letter from an Idaho Professional Engineer certifying the facilities or structures were constructed in substantial accordance with the approved plans and specifications.
Flow meter calibration/verification	Calibration/verification of flow measurement devices must be done in accordance with the device manufacturer's specifications and with the permittee's QAPP.
Backflow prevention and testing requirements	Backflow prevention is required to protect surface water and groundwater from an unauthorized discharge of recycled water or wastewater. Refer to Section 9.1.1 of this permit.
Records retention requirements	Keep records generated to meet the requirements of this permit for the duration of permit, including administrative extensions, plus 2 years.

5. Monitoring Requirements

5.1 Recycled Water and Supplemental Irrigation Water Sampling and Analyses

5.1.1 Constituent Monitoring

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (Units in mg/L Unless Otherwise Specified)
WW-216-01 Filtration Effluent prior to disinfection	Filtration effluent	Continuously (during period of recycled water production)	- Turbidity (NTU)
WW-216-02 Recycled Water Pump Station after disinfection	Recycled water distributed to all uses	Grab sample: Daily (during periods of recycled water production)[a]	-Total coliform (organisms / 100 mL)
		Grab Sample: Daily or continuously (during periods of recycled water production)	- pH
		24-hour composite sample: Weekly (during periods of recycled water production)	- Total nitrogen - BOD_5

a. This monitoring frequency must be maintained unless a Disinfection Monitoring Report, compliance activity CA-216-04 is approved by DEQ indicating a reduced monitoring frequency is acceptable.

5.1.2 Management Unit and Other Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Sample Description	Sample Type and Frequency	Measured Parameters, each MU or FM
FM-216-01 Flow meter at Recycled Water Pump Station	Recycled water flow from Recycled Water Pump Station to all uses	- Daily meter reading - Monthly compilation of data	- Volume (MG/day) - Volume (MG/month)
FM-216-02 Weyyakin Ranch Subdivision flow meter located in Recycled Water Splitter Box	Recycled water flow delivered to the Weyyakin Ranch Subdivision	- Daily meter reading - Monthly compilation of data	- Volume (MG/day) - Volume (MG/month)
FM-216-03 SVWSD flow meter located in Recycled Water Splitter Box	Recycled water flow delivered to the Elkhorn Golf Course	- Daily meter reading - Monthly compilation of data	- Volume (MG/day) - Volume (MG/month)
Each Class A recycled water use	Volume of recycled water distributed to each use	- Daily meter reading - Monthly compilation of data	- Volume (MG/day) - Volume (MG/month)

5.2 Groundwater Monitoring: Not Required

5.3 Soil Monitoring: Not Required

5.4 Crop Monitoring: Not Required

5.5 Recycled Water Storage Facility Information

Serial number	Description	Surface Area, acres	Maximum Operating Volume, MG	Liner Type
LG-216-01	SVWSD Storage Reservoir	0.11	1.00	Concrete
LG-216-02	Weyyakin Irrigation Pond	0.50	0.89	EPDM Geomembrane with Stone Cover

6. Reporting Requirements

6.1 Annual Report Requirements

The permittee must submit to DEQ an annual report prepared by a competent environmental professional covering the previous reporting year.

6.1.1 Due Date

The annual report is due no later than **January 31** of each year, which must cover the previous reporting year.

6.1.2 Required Contents

The annual report must include the following:

1. Detailed results of the required monitoring as described in section 5 of this permit. The report must present all monitoring data in summary tables to expedite review. If the permittee monitors any parameter for compliance purposes more frequently than required by this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the annual report.
2. A brief interpretive discussion of the results of all required monitoring data as specified by section 5. The discussion must address data quality objectives, validation, and verification; explain what the data say about permit compliance; and reuse facility environmental impacts. The reporting year for this permit is specified in section 4.5.
3. Status of all work described in section 3 of this permit.
4. Results of all backflow testing, repairs, and replacements required by section 9.1.1 of this permit.
5. Discussion of major maintenance activities such as major equipment replacement, lagoon liner maintenance, and wastewater treatment and reuse facility maintenance.
6. A summary of all noncompliance events that occurred during the reporting year. Examples of noncompliance events that must be discussed include, but are not limited to: exceedance of permit limits, complaints, missed monitoring events, incorrect monitoring dates or frequencies, dry monitoring wells, uncontained spills causing runoff, construction without DEQ engineering plan approval, construction without engineering inspection, and reporting incorrect acreage.
7. Laboratory analytical reports that show results, analytical methods, and practical quantitation limits for monitoring specified in section 5 of the permit. Chain of custody forms, supporting information for laboratory analytical reports, and quality assurance documentation must be available for review upon request by DEQ.
8. The calculations and results for the parameters in the following table:

Parameter (Calculate for each reuse area)	Units
Total recycled water volume distributed	- MG/month - MG/year
Recycled water volume delivered to each user	- MG/month - MG/year
Daily arithmetic mean of turbidity in treated effluent prior to disinfection during days of recycled water production.	- NTU
Daily median number of total coliform organisms determined by the bacteriological results of the last 7 days for which analyses were completed during periods of recycled water production	- Total coliform organisms/100 mL
Monthly arithmetic mean of total nitrogen concentrations during periods of recycled water production	- mg/L
Monthly arithmetic mean of recycled water BOD_5 concentrations during periods of recycled water production	- mg/L
Other Reporting Requirements: 1. Identify all recycled water irrigation areas and associated acreages used, with maps delineating locations. 2. Report all implemented recycled water uses.	

6.1.3 Submittals

All applications, annual reports, or other information submitted to DEQ as required by this permit must be signed and certified as follows:

- Permit applications must be signed by the responsible official as described below:
  - For a corporation by a responsible corporate officer.
  - For a partnership or sole proprietorship by a general partner or the proprietor, respectively.
  - For a municipality, state, federal, Indian tribe, or other public agency by either the principal executive officer, ranking elected official, or a person of decision-making authority who can legally bind the permittee with respect to the permit.
- Annual reports and other information required by this permit must be signed by the responsible official or by a duly authorized representative of that person. A person is a duly authorized representative only if all of the following are true:
  - The authorization is made in writing by the responsible official.
  - The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual having overall responsibility for environmental matters for the company.
  - The written authorization is submitted to DEQ.

Submit all applications, annual reports, and other information required by this permit to the following DEQ regional office at this address:

Engineering Manager
Idaho Department of Environmental Quality
Twin Falls Regional Office
650 Addison Avenue West, Suite 110
Twin Falls, Idaho 83301

The annual report, or any other data or monitoring information submitted to DEQ, must include the following certification statement and be signed, dated, and certified by the permittee's Responsible Official or duly Authorized Representative:

> *"I certify that the information provided in this submittal was prepared in conformance with the current Quality Assurance Project Plan and is to the best of my knowledge, true, accurate and complete and I acknowledge that knowing submission of false or incomplete information may result in permit revocation as provided for in IDAPA 58.01.17.920.01 or other enforcement action as provided for under Idaho law."*

Permit applications must include the following certification statement and be signed, dated, and certified by the permittee's Responsible Official:

> *"I certify that the information provided in this submittal is, to the best of my knowledge, true, accurate and complete and I acknowledge that knowing submission of false or incomplete information may result in permit revocation as provided for in IDAPA 58.01.17.920.01, non-issuance of the permit, or other enforcement action as provided for under Idaho law."*

Other information submitted to DEQ as required by the permit must include the above certification statement and be signed, dated, and certified by the permittee's Responsible Official or duly Authorized Representative.

6.2 Emergency and Noncompliance Reporting

The permittee must report noncompliance incidents to DEQ's regional office at (208) 736-2190 or toll-free at (800) 273-1663

The permittee may also be required to report unauthorized discharges to surface waters to DEQ's IPDES program. The DEQ IPDES hotline is (833) IPDES24 or (833) 473-3724.

In case of public health emergencies, the permittee should call the 24-hour Idaho Emergency Medical Services Communications Center number at (800) 632-8000.

Section 8 of this permit and IDAPA 58.01.17.500.04 provide the reporting requirements for facilities.

The permittee must report all instances of permit non-compliance that may endanger public health or the environment and unauthorized discharges to surface waters of the State of Idaho to DEQ's regional office by telephone (phone numbers provided in this section) within 24 hours from the time the permittee becomes aware of these events at the phone numbers provided in this section.

The permittee must provide a written follow-up to the DEQ regional office within five days from the time the permittee became aware of the permit non-compliance or unauthorized discharge.

7. Reserved

8. Standard Permit Conditions

The following standard permit conditions are included as terms of this permit as required by the "Recycled Water Rules," (IDAPA 58.01.17.500).

500. STANDARD -CONDITIONS.
Permit conditions will protect human health and the environment from the potential hazard of an existing or proposed wastewater treatment system. The permittee must comply with all conditions of the permit. The following conditions apply to and are included in all permits. (4-6-23)

01. Facility Operation. At all times, the permittee must properly maintain and operate all structures, systems, and equipment installed or used by the permittee for treatment, control, and monitoring to achieve compliance with the permit or these rules. (4-6-23)

02. Provide Information. If requested by the Department, the permittee must provide the Department, within a reasonable time, information including copies of records, to help the Department determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these rules. (4-6-23)

03. Entry and Access. The permittee must allow the Department, consistent with Title 39, Chapter 1, Idaho Code, to: (4-6-23)

a. Enter the permitted facility and all associated property; (4-6-23)

b. Inspect any records kept under the conditions of the permit; (4-6-23)

c. Inspect and photograph any permitted facility, equipment, practice, records, or operation; and (4-6-23)

d. Sample or monitor any substance or any parameter at the facility to ensure permit compliance. (4-6-23)

04. Reporting. The permittee must report to the Department as specified in this section. (4-6-23)

a. A written report submitted at least thirty (30) days before: (4-6-23)

i. Any planned physical or operational alteration to the permitted facility that results or would result in a significant change in information submitted during the application process. If a major permit modification is needed, the alteration cannot be made before the Department issues approval. (4-6-23)

ii. Any anticipated change that would result in noncompliance with any permit condition or these rules. (4-6-23)

b. Orally within twenty-four (24) hours from the time the permittee became aware of any noncompliance that may endanger human health and the environment at telephone numbers provided in the permit. (4-6-23)

c. A written report as soon as possible, but within five (5) days of the date the permittee knows, or should reasonably know, of any noncompliance unless extended by the Department, providing: (4-6-23)

i. Description of the noncompliance and its cause; (4-6-23)

ii. Period of noncompliance including, to the extent possible, times and dates, if the noncompliance has not

been corrected, and the anticipated length of time it is expected to continue; and (4-6-23)

iii. Steps taken or planned, including timelines, to reduce or eliminate the continuance or reoccurrence of the noncompliance. (4-6-23)

d. In writing as soon as the permittee knows, or should reasonably know, of material facts not submitted or corrections to information submitted in a permit application, report, or notice provided to the Department. (4-6-23)

e. No person may knowingly make any false statement, representation, or certification in any form, notice, or report required under any permit, or any applicable rule or order in force pursuant thereto. (4-6-23)

05. Minimize Impacts. The permittee must take all necessary actions to eliminate and correct any adverse impact on human health and the environment resulting from permit noncompliance. (4-6-23)

06. Applied Waters Restricted to Premises. Wastewater or recycled water applied to the land surface must be restricted to the premises of the reuse site. (4-6-23)

07. Hazard or Nuisance Prohibited. Wastewater or recycled water must not create a public health hazard or a nuisance condition. (4-6-23)

08. Renewal. If the permittee intends to continue operating the permitted facility after the existing permit expires, the permittee must apply for a permit renewal according to these rules. (4-6-23)

9. General Permit Conditions

The following general permit conditions are based on the cited rules at the time of issuance and are enforceable as part of this permit. Note that the rules cited in this section, and elsewhere in this permit, are supplemented by the rules themselves. Rules applicable to your facility are enforceable whether or not they appear in this permit.

9.1 Operations

9.1.1 Backflow Prevention

Reuse facilities with existing or planned cross-connections or interconnections between the recycled water system and any water supply (potable or nonpotable) or surface water, must have backflow prevention assemblies, devices, or methods as required by applicable rule or as specified in this permit and approved by DEQ.

For public water systems, backflow assemblies must meet the requirements of IDAPA 58.01.08.543. Assemblies must be adequately maintained and must be tested annually by a certified backflow assembly tester, and repaired or replaced as necessary to maintain operational status.

Domestic water and irrigation water supply wells must meet the requirements of IDAPA 37.03.09.36 for preventing any waste or contamination of the groundwater resource. Backflow prevention assemblies or devices used to protect the groundwater must be adequately operated and maintained.

Discharge of recycled water to surface water is regulated by the DEQ or EPA. An IPDES or NPDES permit is required for any discharge to surface water and backflow prevention must be implemented to prevent any unauthorized discharge. Backflow prevention assemblies or devices used to protect surface water must be adequately operated and maintained.

Records of all testable backflow assembly test results, repairs, and replacements must be kept at the reuse facility along with other operational records, and must be discussed in the annual report and made available for inspection by DEQ. Other approved means of backflow prevention, such as siphons and air-gap structures that cannot be tested, must be maintained in operable order.

9.1.2 Restricted to Premises

Wastewaters or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water require an IPDES or NPDES permit (IDAPA 58.01.16.600.02).

9.1.3 Solids Management

Biosolids are the nutrient-rich organic materials resulting from the treatment of sewage sludge. When treated and processed, sewage sludge becomes biosolids that can be safely recycled and applied as fertilizer to sustainably improve and maintain productive soils and stimulate plant growth.

Biosolids generated from sewage sludge are regulated by DEQ or EPA under 40 CFR Part 503 and require a DEQ-approved sludge disposal plan as outlined in IDAPA 58.01.16.650. Contact DEQ before to applying biosolids at any permitted reuse facility.

Sludge is the semi-liquid mass produced and removed by wastewater treatment processes. This does not include grit, garbage, and large solids.

Sludge may be generated by wastewater treatment processes at municipal and industrial facilities. A DEQ-approved sludge disposal plan, as outlined in IDAPA 58.01.16.650, may be required.

Solid waste is any garbage or refuse, sludge from a waste water treatment plant, water supply treatment plant, or air pollution control facility and other discarded material including solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations and from community activities, but does not include solid or dissolved materials in domestic sewage, or solid or dissolved material in irrigation return flows or industrial discharges that are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act, as amended or source, special nuclear, or by-product material as defined by the Atomic Energy Act of 1954, as amended.

Solid waste does not include inert wastes, manures and crop residues ultimately returned to the soils at agronomic rates, and any agricultural solid waste that is managed and regulated pursuant to rules adopted by the Idaho Department of Agriculture. DEQ reserves the right to use existing authorities to regulate agricultural waste that impacts human health or the environment.

Solid waste is regulated under the “Solid Waste Management Rules” (IDAPA 58.01.06). Wastes otherwise regulated by DEQ (i.e., this permit) are not regulated under IDAPA 58.01.06.

Waste solids include sludge and wastes otherwise regulated by DEQ according with IDAPA 58.01.06.001.03.a.xii. Waste solids may include vegetative waste, silt and mud containing organic matter, and other non-inert solid wastes.

Inert wastes are defined as non-combustible, nonhazardous, and non-putrescible solid wastes that are likely to retain their physical and chemical structure and have a de minimis potential to generate leachate under expected conditions of disposal, which includes resistance to biological attack.

Waste solids require a DEQ-approved sludge disposal plan as outlined in IDAPA 58.01.16.650.

9.1.4 Temporary Cessation of Operations and Closure (IDAPA 58.01.17.801)

Temporary cessation of operations and closure must be addressed as follows:

01. Temporary Cessation. A permittee must implement any applicable conditions specified in the permit for temporary cessation of operations. When the permit does not specify applicable temporary cessation conditions, the permittee must notify the Department before a temporary cessation of reuse operations at the facility greater than sixty (60) days in duration and any cessation not for regular maintenance or repair. Cessation of operations necessary for regular maintenance or repair of a duration of sixty (60) days or less do not require Department notification under this section. Notification compliance under this section includes a proposed temporary cessation plan to ensure the cessation of operations will not pose a threat to human health and the environment. (4-6-23)

02. Closure. A closure plan is required when a facility is closed voluntarily and when a permit is revoked. A permittee implements any applicable conditions specified in the permit for facility closure. Unless otherwise directed by the terms of the permit or by the Department, the permittee submits a closure plan to the Department for approval at least ninety (90) days before ceasing operations. The closure plan ensures the closed facility will not pose a threat to human health and the environment. Closure plan approval may be conditioned upon a permittee's agreement to complete such site investigations, monitoring, and any necessary remediation activities. A permittee must complete all closure plan activities. (4-6-23)

9.1.5 Plan of Operation (IDAPA 58.01.17.300.05)

The PO must comply with the following:

05. Reuse Facility Plan of Operation. A plan of operation must contain, as applicable, operation and management responsibility, permits and standards, general plant description, operation and control of unit operations, reuse area site maps, wastewater and recycled water characterization, cropping plan, hydraulic loading rate, constituent loading rates, compliance activities, seepage rate testing, site management plans, monitoring, site operations and maintenance, solids handling and processing, laboratory testing, general maintenance, records and reports, store room and inventory, personnel, and an emergency operating plan. Permittees are required to submit a plan of operation for review and approval. Amendments are also subject to review and approval. (4-6-23)

9.1.6 Seepage Testing Requirements (IDAPA 58.01.16.493.02.c)

Subsequent Tests. All lagoons covered under these rules must be seepage tested by an Idaho licensed professional engineer, an Idaho licensed professional geologist, or by individuals under their supervision every ten (10) years after the initial testing. (3-31-22)

9.1.7 Ground Water Quality Rule (IDAPA 58.01.11)

The permittee must comply with the requirements of the "Ground Water Quality Rule" (IDAPA 58.01.11).

9.2 Administrative

Requirements for administration of the permit are defined as follows.

9.2.1 Permit Modification (IDAPA 58.01.17.700)

01. Causes. A permit modification may be initiated by a permittee through a modification request or by the Department if one (1) or more of the following causes exist. (4-6-23)

a. Material and substantial alterations or additions to the permitted facility or activity occurred after permit issuance which justify applying permit conditions that are different or absent in the existing permit. (4-6-23)

b. Standards or regulations on which the permit was based amended by promulgation or by judicial decision after the permit was issued. (4-6-23)

c. The Department determines good cause exists for modifying a compliance schedule or terms and conditions of a permit. (4-6-23)

d. Level of discharge of any pollutant that is not limited in the permit exceeds the level that may cause an adverse impact to surface or ground waters. (4-6-23)

e. Correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions. (4-6-23)

f. When a treatment technology proposed, installed, and properly operated and maintained by the permittee fails to achieve the requirements of the permit. (4-6-23)

9.2.2 Permit Transferable (IDAPA 58.01.17.800)

01. General. A permit may be transferred only upon Department approval. No transfer is required for a corporate name change if the permittee, via secretary of state filings, can verify a change in name alone occurred. An attempted transfer is not effective until approved in writing by the Department. (4-6-23)

9.2.3 Permit Revocation (IDAPA 58.01.17.920)

01. Conditions. The Department may revoke a permit or coverage under a reuse general permit if the permittee violates any permit condition or these rules, or the Department becomes aware of any omission or misrepresentation of condition or information relied upon when issuing the permit. (4-6-23)

02. Notice. Except in emergencies, the Department will issue a written notice of intent to revoke to the permittee before final revocation. Revocation becomes final within thirty-five (35) days of the permittee receiving notice unless, within that time, the permittee requests an administrative hearing in writing. The hearing is conducted according to IDAPA 58.01.23, Contested Case Rules and Rules for Protection and Disclosure of Records. (4-6-23)

03. Emergency Action. If the Department finds the human health, safety, or welfare requires emergency action, the Department will incorporate findings to support the action and issue a written notice of emergency revocation to the permittee. Emergency revocation is effective upon receipt by the permittee. If requested by the permittee in writing, the Department will provide the permittee a revocation hearing. Hearings are conducted according to IDAPA 58.01.23, Contested Case Rules and Rules for Protection and Disclosure of Records. (4-6-23)

04. Revocation and Closure. A permittee must perform the closure requirements in a permit and these rules and complete all closure plan activities regardless of the permit revocation. (4-6-23)

9.2.4 Severability

The provisions of this permit are severable, and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. Other Applicable Laws

DEQ may refer enforcement of the following provisions to the state agency authorized to enforce that rule. The permittee must comply with all applicable provisions identified in this section. Compliance with this permit does not relieve the permittee from applicable requirements in other federal, state, and local laws, statutes, and rules.

10.1 Owner Responsibilities for Well Use and Maintenance

10.1.1 Well Use

The well owner must not operate any well in a manner that causes waste or contamination of the groundwater resource. Failure to operate, maintain, knowingly allow the construction of any well in a manner that violates these rules, or failure to repair or properly decommission (abandon) any well as herein required will subject the well owner to civil penalties as provided by statute. See IDAPA 37.03.09.036.01 and consult the Idaho Department of Water Resources (IDWR) for more information.

10.1.2 Well Maintenance

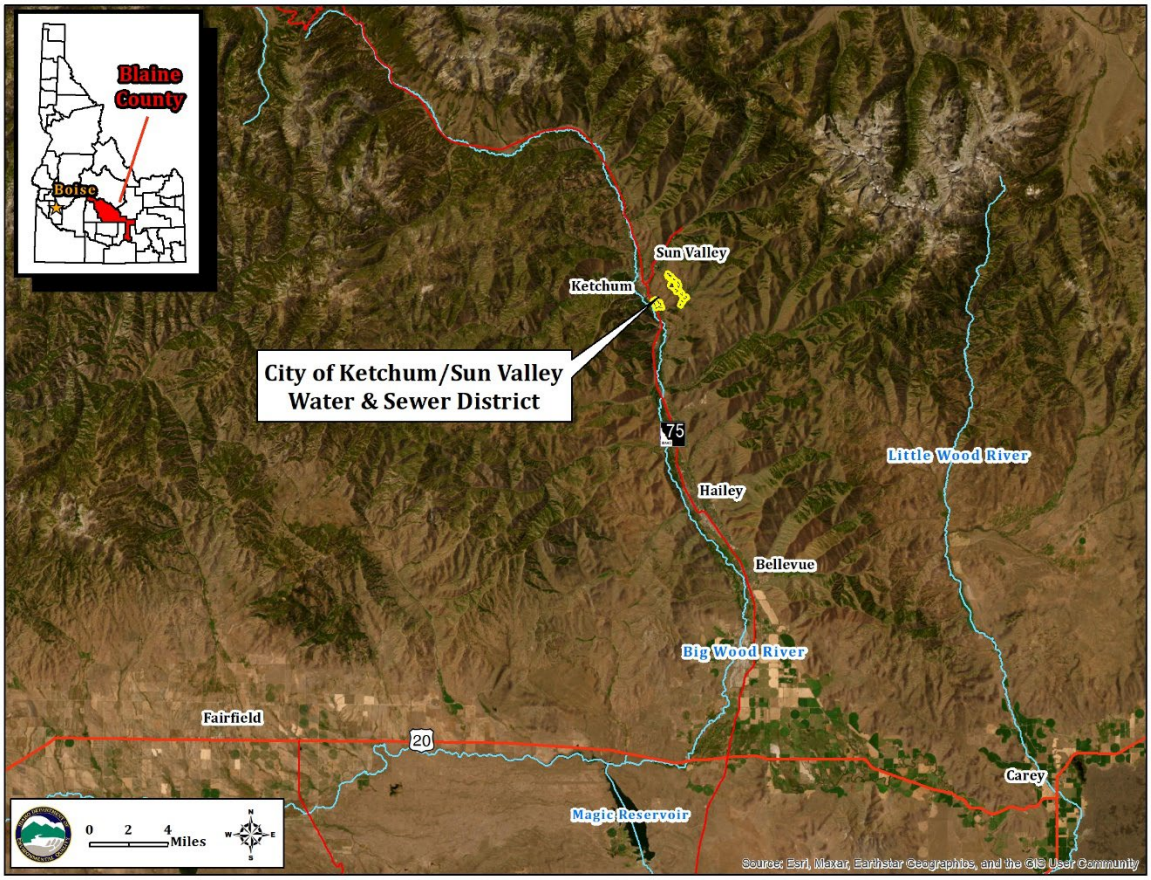
The well owner must maintain the well to prevent waste or contamination of groundwaters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant well must have the well repaired by a licensed well driller under a permit issued by the IDWR director according to the applicable rules. See IDAPA 37.03.09.036.02 and consult IDWR for more information.

10.1.3 Wells Posing a Threat to Human Health and Safety or Causing Contamination of the Groundwater Resource

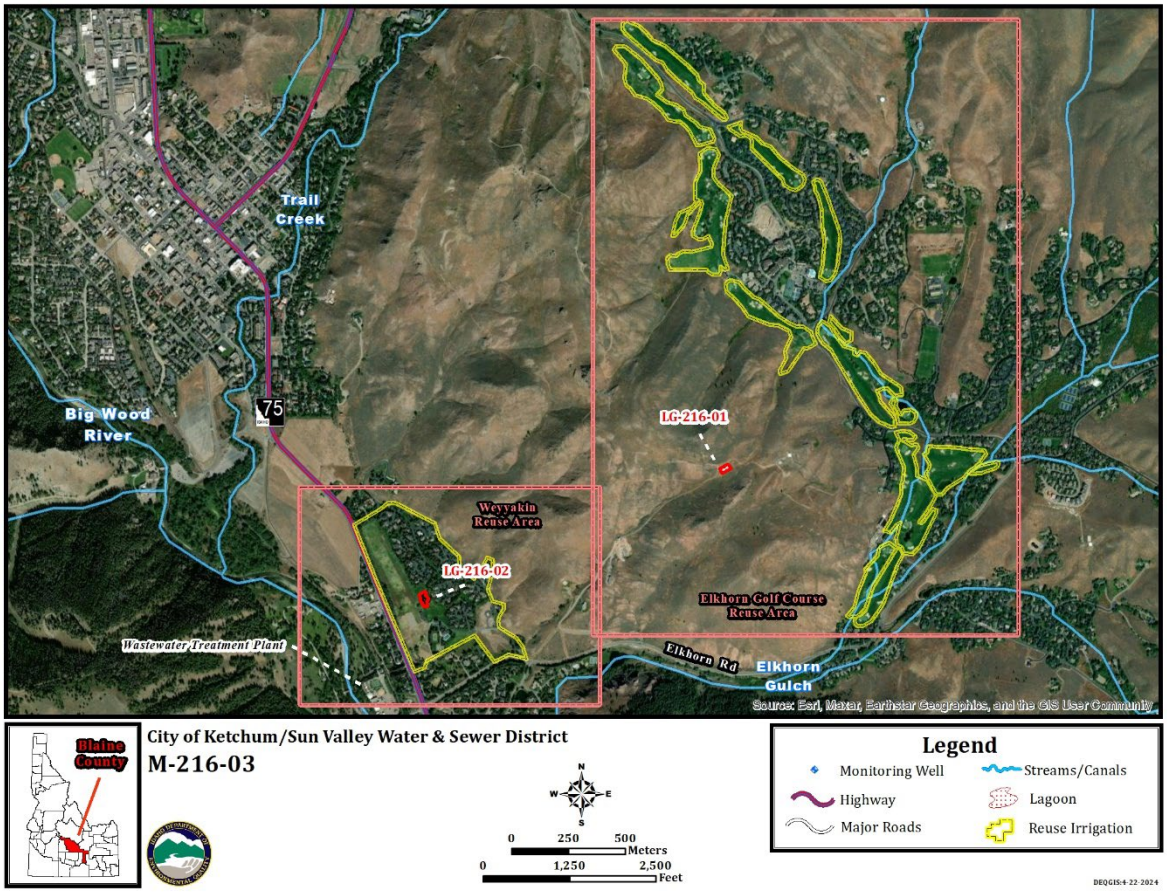
The well owner must have any well shown to pose a threat to human health and safety or cause contamination of the groundwater resource immediately repaired or decommissioned (abandoned) by a licensed well driller under a permit issued by the IDWR director according to the applicable rules. See IDAPA 37.03.09.036.06 and consult IDWR for more information.

11. Site Maps

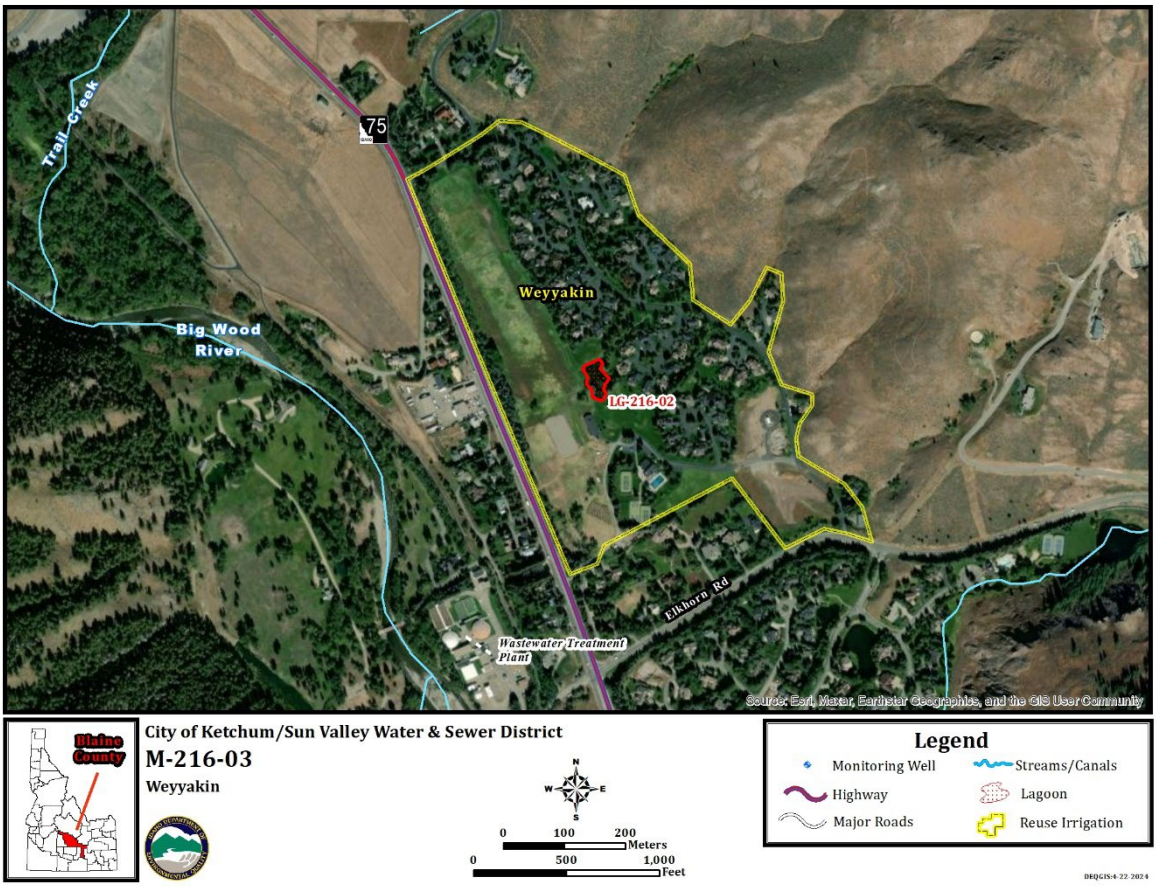
11.1 Regional Map



11.2 Facility Map



11.3 Weyyakin Ranch Subdivision Map



11.4 Elkhorn Golf Course Map

