Idaho Department of Environmental Quality
Reuse Permit
M-108-04

(Previous Permit No. M-108-03)

The City of Idaho City (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 on July 26, 2027.



	7/25/2022
Signature	Date

Aaron Scheff

Regional Administrator
Boise Regional Office
Idaho Department of Environmental Quality

Idaho Department of Environmental Quality
Boise Regional Office
1445 North Orchard
Boise, Idaho 83706-2239
(208) 373-0550

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1. Common Acronyms/Abbreviations and Definitions

CA	compliance activity
DEQ	Idaho Department of Environmental Quality
director	DEQ director or designee unless otherwise specified
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
GW	prefix for ground water 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
IPDES	Idaho Pollutant Discharge Elimination System
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/L	milligram per liter
mL	milliliter
MU	management unit, prefix for management unit reporting environmental serial number
NPDES	National Pollutant Discharge Elimination System
N	nitrogen
ppm	parts per million
P	phosphorus
PO	plan of operation
QAPP	quality assurance project plan
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 shall act as the responsible official and shall bind the permittee as described in this definition. Designation of the authorized representative shall follow the requirements specified in section 6.1.3 of the permit.
RIB	Rapid infiltration basin
yr	year

2. Facility Information

Information Type	Information Specific to This Permit
Classes of recycled water	Class D Municipal (or Class C – if permittee conducts increased sampling and disinfection requirements per Section 4.5 and 5.1)
Method of treatment and reuse	A single aerated lagoon followed by chlorine disinfection and four rapid infiltration basins (RIBs)
Collection and treatment system classification	Wastewater collection system classification: Class I Wastewater treatment system classification: Class II Land Application/Reuse
Facility location	Located at the end of an unnamed road to the south of ID-21, between the US Forest Service's Ranger Station (3833 ID-21) and the Boise County Department of Motor Vehicles building (3851 ID-21), in Idaho City, Idaho. Township 6N, Range 5E, Section 26 43 49' 19" N and 115 50' 23" W
Facility mailing address	P.O. Box 130 Idaho City, Idaho 83631
Facility responsible official and authorized representative	Responsible Official: Kenny Everhart – Mayor Phone: (208) 392-4584 Email: idahocitypublicworks@gmail.com Authorized Representative Tami Claus – City Wastewater Technician Email: idahocitypublicworks@gmail.com Notify DEQ within 30 days if a change in personnel occurs for the Responsible Official. DEQ will issue a minor permit modification to confirm the change.
Ground water	There are multiple aquifers beneath the reuse site separated by intermittent clay layers. First water is encountered 6 to 12 feet below the reuse site. Nearby domestic and public water supply wells are drilled in deeper water zones (30 to 400 feet below the ground surface).
Surface water	Mores Creek is located 420 feet to the southwest of the closest RIB and 160 feet to the southeast of LG-108-01. Beneficial Uses: Cold water communities, salmonid spawning, primary contact recreation, and domestic water supply (IDAPA 58.01.02.140.10.SW-9). Also, agricultural water supply, industrial water supply, wildlife habitats, and aesthetics (IDAPA 58.01.02.100.03, 04, and 05). An unnamed drainage channel, which flows to Mores Creek, runs between the RIBs and LG-108-01. It is located 20 feet to the southeast of the RIBs.

3. Compliance Schedule for Required Activities

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-108-01 Within 12 months of permit issuance	**Updated Plan of Operation (PO)**: The permittee shall submit to DEQ for review and approval a PO that reflects current operations and incorporates the requirements of this permit. The PO shall comply with the applicable requirements stated in IDAPA 58.01.17.300.05 and shall address applicable items in the most current PO Checklist available. The PO shall be updated as needed to reflect current operations. The permittee shall notify DEQ of material changes to the PO and copies shall be kept on site and made available to DEQ upon request.
CA-108-02 Within 12 months of permit issuance	**Updated Quality Assurance Project Plan (QAPP)**: The permittee shall 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 shall be provided to DEQ. The permittee shall follow the QAPP when collecting, analyzing, and reporting monitoring data submitted to DEQ. The QAPP shall 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 shall 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 shall amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP. The permittee shall notify DEQ of material changes to the QAPP and copies shall be kept on site and made available to DEQ upon request.

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-108-03 Within three months of permit issuance	**Fencing and Signage Maintenance:** The permittee shall repair all broken fencing and signage around the wastewater treatment plant and reuse site in compliance with Section 4.5 of this Permit. The permittee shall notify DEQ when repairs have been completed.
CA-108-04 As specified	**Lagoon Seepage and RIB Impact Assessment:** Within six months of permit issuance, the permittee shall submit a monitoring objectives plan (Plan) for DEQ review and approval. It is recommended the permittee use EPA's Data Quality Objectives Process to design the Plan. The Plan shall include the following elements: • A description of how the permittee will determine if lagoon seepage and RIB use and operations are impacting surface water and ground water. This assessment shall include data and statistical analysis methods that will be used to establish any surface water or ground water degradation. • Surface water and ground water data thresholds (numerical and/or narrative) to establish when impacts are considered degradation. Within four years of permit issuance, the permittee shall submit a surface water and ground water impact assessment report (Report) to DEQ for review and acceptance. The Report shall include all collected data, provide conclusions based on the objectives set forth in the approved Plan and the aquifer properties determined in CA-108-05. In addition, the Report shall provide recommendations to address any identified degradation. Within 30 days of Report submittal the permittee must request a meeting with DEQ to discuss Report findings and recommendations.
CA-108-05 As specified	**Determine Aquifer Properties:** Within six months of permit issuance, the permittee shall submit to DEQ for review and approval, a plan for characterizing hydraulic conductivity, gradient, and effective porosity beneath the reuse site. The plan shall specify methodology, timing of aquifer testing, and seasonal low and high water levels. An aquifer properties characterization report shall be submitted to DEQ for review and approval within twelve (12) months of the plan approval.
CA-108-06 As specified	**MU-108-02 Lateral Distribution System Installation:** Within 12 months of permit issuance, the permittee shall submit plans for a recycled water distribution system to DEQ, sealed by an Idaho licensed professional engineer, to be installed on MU-108-02. The distribution system shall meet the requirements for even distribution of recycled water set forth in the Idaho *Recycled Water Rules,* IDAPA 58.01.17.613.01.c. The plan shall include repairs to the MU-108-02 recycled water line and be consistent with the lateral distribution system design installed on MU-108-03 and MU-108-04. Within three months of DEQ approval of the distribution system plans, the permittee shall complete repairs and construct the lateral distribution system and begin using MU-108-02 for recycled water applications.

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-108-07 At least 12 months prior to 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 shall 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-108-08 At least six months prior to expiration date of this permit	**Permit Renewal Application:** The permittee shall submit to DEQ a complete permit renewal application package that fulfills the requirements specified in CA-108-07 and identified at the pre-application conference.

4. Permit Limits and Conditions

4.1 Management Unit Descriptions

Serial Number	Description	Irrigation System Type	Maximum Acres[a] Allowed
MU-108-01[b]	RIB 1	Even Distribution	0.47
MU-108-02	RIB 2	Even Distribution	0.47
MU-108-03	RIB 3	Even Distribution	0.47
MU-108-04	RIB 4	Even Distribution	0.47
		Total acreage	1.88

a. Maximum acres represent the total permitted acreage of the MU as provided by the permittee. If the permittee uses less acreage in any season or year, then loading rates shall be presented and compliance shall be determined based on the actual acreage used during each season or year.
b. Only Class C recycled water can be discharged to this RIB.

4.2 Hydraulic Loading Limits

Serial Number	Year Round[a] Hydraulic Loading Limit
MU-108-01 MU-108-02 MU-108-03 MU-108-04	Loading[b] must not exceed the infiltrative capacity of any basin.

a. Record daily, as necessary, abnormal conditions as a result of nongrowing season application including ponding, excessive ice buildup, or runoff from the permitted site.
b. The rotation schedules for RIB loading must be as specified in the DEQ-approved Plan of Operation.

4.3 Constituent Loading Limits

Serial Number	Maximum Concentration (mg/L)[a]		Annual Loading (pounds)[a]	
	Total Nitrogen	Total Phosphorus	Total Nitrogen	Total Phosphorus
MU-108-01 MU-108-02 MU-108-03 MU-108-04	30	6	5,200	765

a. Compliance Activity CA-108-04 may show that these limits are not stringent enough and may need to be revised or replaced with a surface water discharge permit.

4.4 Management Unit Buffer Zones

Serial Number	Buffer Distances (feet) from Management Units					
	Public Water Supplies[a]	Private Water Supplies[a]	Inhabited Dwellings	Permanent and Intermittent Surface Water[b]	Irrigation Ditches and Canals	Areas Accessible to the Public
For Class D Recycled Water						
MU-108-01 MU-108-02 MU-108-03 MU-108-04	1,000	500	200	50	25	100
For Class C Recycled Water						
MU-108-01 MU-108-02 MU-108-03 MU-108-04	1,000	500	50	50	25	0

a. Buffer zone distances apply unless a DEQ-approved well location acceptability analysis indicates an alternative buffer zone is acceptable.

b. The drainage channel located to the south of the RIBs is at an acceptable distance.

4.5 Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Application Season	All Year Round
Reporting year for annual loading rates	January 1 through December 31
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.
Disinfection limits in recycled water	Class D: The median number of total coliform organisms shall not exceed 230 total coliform organisms/100 mL, as determined from the bacteriological results of the last three days for which analyses have been completed. No sample shall exceed 2,300 total coliform organisms/100 mL in any confirmed sample. Class C: The median number of total coliform organisms shall not exceed 23 total coliform organisms/100 mL, as determined from the bacteriological results of the last five days for which analyses have been completed. No sample shall exceed 230 total coliform organisms/100 mL in any confirmed sample.
Posting	Signs must read “Warning: Recycled Water—Do Not Enter,” or equivalent signage, new signs in both English and Spanish. Signs must be posted every 500 feet and at each corner of the outer perimeter of the irrigated site. Signs are required where management unit border areas are accessible to the public.
Fencing	Required, cyclone with barbed wire, or other measure approved by DEQ around lagoons and management units.
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 before construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, ground water 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.
Records retention requirements	Keep records generated to meet the requirements of this permit for the duration of the permit, including administrative extensions, plus two years.
Flow Meter Calibration	Calibrate flow meters FM-108-01 and FM-108-02 during the first year of the permit and at a frequency consistent with the manufacturer’s specifications thereafter. Documentation of flow meter calibration must be submitted with the annual report.

5. Monitoring Requirements

5.1 Recycled Water Sampling and Analyses

5.1.1 Constituent Monitoring

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (mg/L unless otherwise specified)
WW-108-01 Point of discharge to RIBs	Recycled water from LG-108-01 to all RIBs	Grab sample: Monthly	Total Kjeldahl nitrogen Nitrate+nitrite-nitrogen Ammonia nitrogen Total phosphorus pH (Standard Units) Chloride Total coliform organisms/100mL[a] Total residual chlorine[a]

a. Weekly grab sample required if the permittee discharges Class C recycled water to the RIBs (IDAPA 58.01.17.601.03).

5.1.2 Management Unit and Other Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Sample Description	Sample Type and Frequency	Parameters, each MU or FM
FM-108-01 Ultrasonic flow level measurement and V-notch weir at LG-108-01 outlet	Recycled water flow from LG-108-01 to all RIBs	Daily meter reading Monthly compilation of data	Volume (MG/month) Volume (gallons/day)[a]
FM-108-02 Clamp on ultrasonic flow meter on influent line	Wastewater influent to LG-108-01	Daily meter reading Monthly compilation of data	Volume (MG/month)

a. Record which RIB is in use.

5.2 Ground Water Monitoring

5.2.1 Ground Water Monitoring Point Descriptions

Monitoring Point Serial Number	Common Designation	Well Type	Gradient Location
GW-108-01	MW 1	Monitoring well	Upgradient
GW-108-02	MW 2	Monitoring well	Midgradient (between RIB 3 and 4)
GW-108-03	MW 3	Monitoring well	Downgradient of MU-108-01
GW-108-04	MW 4	Monitoring well	Midgradient (between RIB 3 and 4)
GW-108-05[a]	MW 5	Monitoring well	Downgradient of LG-108-01
GW-108-06[a]	MW 6	Monitoring well	Midgradient (next to LG-108-01)
GW-108-07[a]	MW 7	Monitoring well	Downgradient of LG-108-01

a. If wells are not constructed by August 23, 2022, the permittee shall seek DEQ reapproval within 30 days and propose a new completion date for well construction.

5.2.2 Ground Water Monitoring, Sampling, and Analyses

Monitoring Point Serial Number	Sampling Point Description	Sample Type and Frequency	Constituents (mg/L unless otherwise specified)
GW-108-01 GW-108-02 GW-108-03 GW-108-04 GW-108-05[b] GW-108-06[b] GW-108-07[b]	Monitoring wells	Field measurements: quarterly (February, May, August, and November)	Water table elevation (feet) Water table depth (feet) Specific conductance/electrical conductivity (µmhos/cm) Temperature (ºC) pH (Standard Units)
		Unfiltered grab sample: quarterly (February, May, August, and November)	Total Kjeldahl nitrogen Nitrate+nitrite-nitrogen Total phosphorus Total dissolved solids Chloride *E. coli* (organisms/100 mL)[a]

a. *E. coli* analysis sensitivity for ground water samples must be capable of producing results of 1 organism/100 mL.
b. The permittee shall commence monitoring of these wells after wells after construction.

5.3 Surface Water Monitoring

5.3.1 Surface Water Monitoring Point Descriptions

Monitoring Point Serial Number	Location Description
SW-108-01	Upstream of RIBs and LG-108-01 in Mores Creek
SW-108-02	Downstream of RIBs and confluence of drainage bisecting reuse facility in Mores Creek
SW-108-03	Downstream of SW-108-01 and upstream of SW-108-03 in Mores Creek
SW-108-04	Downstream of SW-108-03 and upstream of SW-108-02 in Mores Creek

5.3.2 Surface Water Monitoring, Sampling, and Analyses

Monitoring Point Serial Number	Sampling Point Description	Sample Type and Frequency[a]	Constituents (mg/L unless otherwise specified)
SW-108-01 SW-108-02 SW-108-03 SW-108-04	Surface water of Mores Creek	Field measurements: monthly[b]	pH (Standard Units) Temperature (°C) Dissolved oxygen Total chlorine residual
		Grab sample: monthly[b]	Total Kjeldahl nitrogen Nitrate+nitrite-nitrogen Ammonia nitrogen Total phosphorus Biochemical oxygen demand Chloride *E. coli* (organisms/100 mL)[c]

a. Notify DEQ if snow or ice prohibits collection of surface water samples.
b. Monthly for first two years of the permit and quarterly thereafter (February, May, August, and November) if constituent levels do not exceed thresholds determined in CA-108-04 and approved by DEQ.
c. The permittee shall notify DEQ's Boise Regional Office immediately if any surface water sample analysis, either in the upstream or downstream locations shows coliform counts that exceed 406 *E. coli* organisms per 100mL (IDAPA 58.01.02.251.01.b.ii).

5.4 Soil Monitoring – *Not Required*

5.5 Crop Monitoring – *Not Required*

5.6 Lagoon Information

Serial number	Description	Surface Area, acres	Maximum Operating Volume, MG	Liner Type
LG-108-01	Aerated lagoon	1.05	2.14	60 mil PVC

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 shall be available for review upon request by DEQ.
8. The calculations and results for the parameters in the following table:

Monitoring Point Serial Number	Parameter (Calculate for each MU)	Units
MU-108-01 MU-108-02 MU-108-03 MU-108-04	Recycled water loading rate	MG/month
	Recycled water nitrogen and phosphorus loading rates	Pounds/year
	RIB distribution	Date(s) each RIB is active Total days per year RIB is active

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
Boise Regional Office
1445 North Orchard
Boise, Idaho 83706-2239

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) 373-0550 or toll-free at (888) 800-3480.

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 58.01.17.500.06 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 PERMIT CONDITIONS.
The following conditions shall apply to and be included in all permits. (4-1-88)

01. Compliance Required. The permittee shall comply with all conditions of the permit. (4-1-88)

02. Renewal Responsibilities. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit in accordance with these rules. (4-1-88)

03. Operation of Facilities. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, control and monitoring, which are installed or used by the permittee to achieve compliance with the permit or these rules. (4-1-88)

04. Provide Information. The permittee shall furnish to the Director within a reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these rules. (4-1-88)

05. Entry and Access. The permittee shall allow the Director, consistent with Title 39, Chapter 1, Idaho Code, to: (4-1-88)

a. Enter the permitted facility. (4-1-88)

b. Inspect any records that must be kept under the conditions of the permit. (4-1-88)

c. Inspect any facility, equipment, practice, or operation permitted or required by the permit. (4-1-88)

d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility. (4-1-88)

06. Reporting. The permittee shall report to the Director under the circumstances and in the manner specified in this section: (4-1-88)

a. In writing at least thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process. When the alteration or addition results in a need for a major modification, such alteration or addition shall not be made prior to Department approval issued in accordance with these rules. (4-7-11)

b. In writing thirty (30) days before any anticipated change which would result in noncompliance with any permit condition or these rules. (4-1-88)

c. Orally within twenty-four (24) hours from the time the permittee became aware of any noncompliance which may endanger the public health or the environment at telephone numbers provided in the

permit by the Director. (4-1-88)

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any noncompliance unless extended by the Department. This report shall contain: (4-1-88)

i. A description of the noncompliance and its cause; (4-1-88)

ii. The period of noncompliance including to the extent possible, times and dates and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and (4-7-11)

iii. Steps taken or planned, including timelines, to reduce or eliminate the continuance or reoccurrence of the noncompliance. (4-7-11)

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report. (4-1-88)

07. Minimize Impacts. The permittee shall take all necessary actions to eliminate and correct any adverse impact on the public health or the environment resulting from permit noncompliance. (4-1-88)

08. Compliance with "Ground Water Quality Rule." Permits issued pursuant to these rules shall require compliance with IDAPA 58.01.11, "Ground Water Quality Rule." (4-7-11)

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

For domestic water supply wells, backflow prevention devices shall meet the requirements of IDAPA 07.02.04 and shall be adequately operated and maintained.

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

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

Records of all testable backflow assembly test results, repairs, and replacements shall be kept at the reuse facility along with other operational records, and shall 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, shall 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 Health Hazards, Nuisances, and Odors Prohibited

Health hazards, nuisances, and odors are prohibited as follows:

Wastewater must not create a public health hazard or nuisance condition (IDAPA 58.01.16.600.03).

No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids into the atmosphere in such quantities as to cause air pollution (IDAPA 58.01.01.776.01).

Air Pollution defined as the presence in the outdoor atmosphere of any air pollutant or combination thereof in such quantity of such nature and duration and under such conditions as would be injurious to human health or welfare, to animal or plant life, or to property, or to interfere unreasonably with the enjoyment of life or property (IDAPA 58.01.01.006.06).

9.1.4 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 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.

9.1.5 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 shall 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 shall notify the Director prior to a temporary cessation of 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 are not required to notify the Department under this section. All notifications required under this section shall include a proposed temporary cessation plan that will ensure the cessation of operations will not pose a threat to human health or the environment. (4-7-11)

02. Closure. A closure plan shall be required when a facility is closed voluntarily and when a permit is revoked or expires. A permittee shall implement any applicable conditions specified in the permit for closure of the facility. Unless otherwise directed by the terms of the permit or by the Director, the permittee shall submit a closure plan to the Director for approval at least ninety (90) days prior to ceasing operations. The closure plan shall ensure that 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 that may be required. (4-7-11)

9.1.6 Plan of Operation (IDAPA 58.01.17.300.05)

The PO must comply with the following:

05. Reuse Facility Operation and Maintenance Manual or Plan of Operations. A facility's operation and maintenance manual must contain all system components relating to the reuse facility in order to comply with IDAPA 58.01.16 "Wastewater Rules," Section 425. Manuals and manual amendments are subject to the review and approval provision therein. In addition to the content required by IDAPA 58.01.16.425, manuals for reuse facilities shall include, if applicable: operation and management responsibility, permits and standards, general plant description, operation and control of unit operations, land application site maps, wastewater 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, an emergency operating plan, and any other information required by the Department. (4-7-11)

9.1.7 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. (5-8-09)

9.1.8 Ground Water Quality Rule (IDAPA 58.01.11)

The permittee shall 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. Modification of Permits. A permit modification may be initiated by the receipt of a request for modification from the permittee, or may be initiated by the Department if one (1) or more of the following causes for modification exist: (4-7-11)

a. Alterations. There are material and substantial alterations or additions to the permitted facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit. (4-7-11)

b. New standards or regulations. The standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued. (4-7-11)

c. Compliance schedules. The Department determines good cause exists for modification of a compliance schedule or terms and conditions of a permit. (4-7-11)

d. Non-limited pollutants. When the level of discharge of any pollutant which is not limited in the permit exceeds the level which may cause an adverse impact to surface or ground waters. (4-7-11)

e. To correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions. (4-7-11)

f. When a treatment technology proposed, installed, and properly operated and maintained by the permittee fails to achieve the requirements of the permit. (4-7-11)

9.2.2 Permit Transferable (IDAPA 58.01.17.800)

01. General. A permit may be transferred only upon approval of the Department. No transfer is required for a corporate name change as long as the secretary of state can verify that a change in name alone has occurred. An attempted transfer is not effective for any purpose until approved in writing by the Department. (4-7-11)

9.2.3 Permit Revocation (IDAPA 58.01.17.920)

01. Conditions for Revocation. The Director may revoke a permit if the permittee violates any permit condition or these rules, or the Director becomes aware of any omission or misrepresentation of condition or information relied upon when issuing the permit. (4-7-11)

02. Notice of Revocation. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee requests an administrative hearing in writing. The hearing shall be conducted in accordance with IDAPA 58.01.23, Rules of Administrative Procedure before the Board of Environmental Quality." (5-3-03)

03. Emergency Action. If the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, the Director shall provide the permittee a revocation hearing and prior notice thereof. Such hearings shall be conducted in accordance with IDAPA 58.01.23, "Rules of Administrative Procedure Before the Board of Environmental Quality." (3-15-02)

04. Revocation and Closure. A permittee shall perform the closure requirements in a permit, the closure requirements of these rules, and complete all closure plan activities notwithstanding the revocation of the permit. (4-7-11)

9.2.4 Violations (IDAPA 58.01.17.930)

Any person violating any provision of these rules or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor. (4-1-88)

9.2.5 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 shall 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 ground water 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

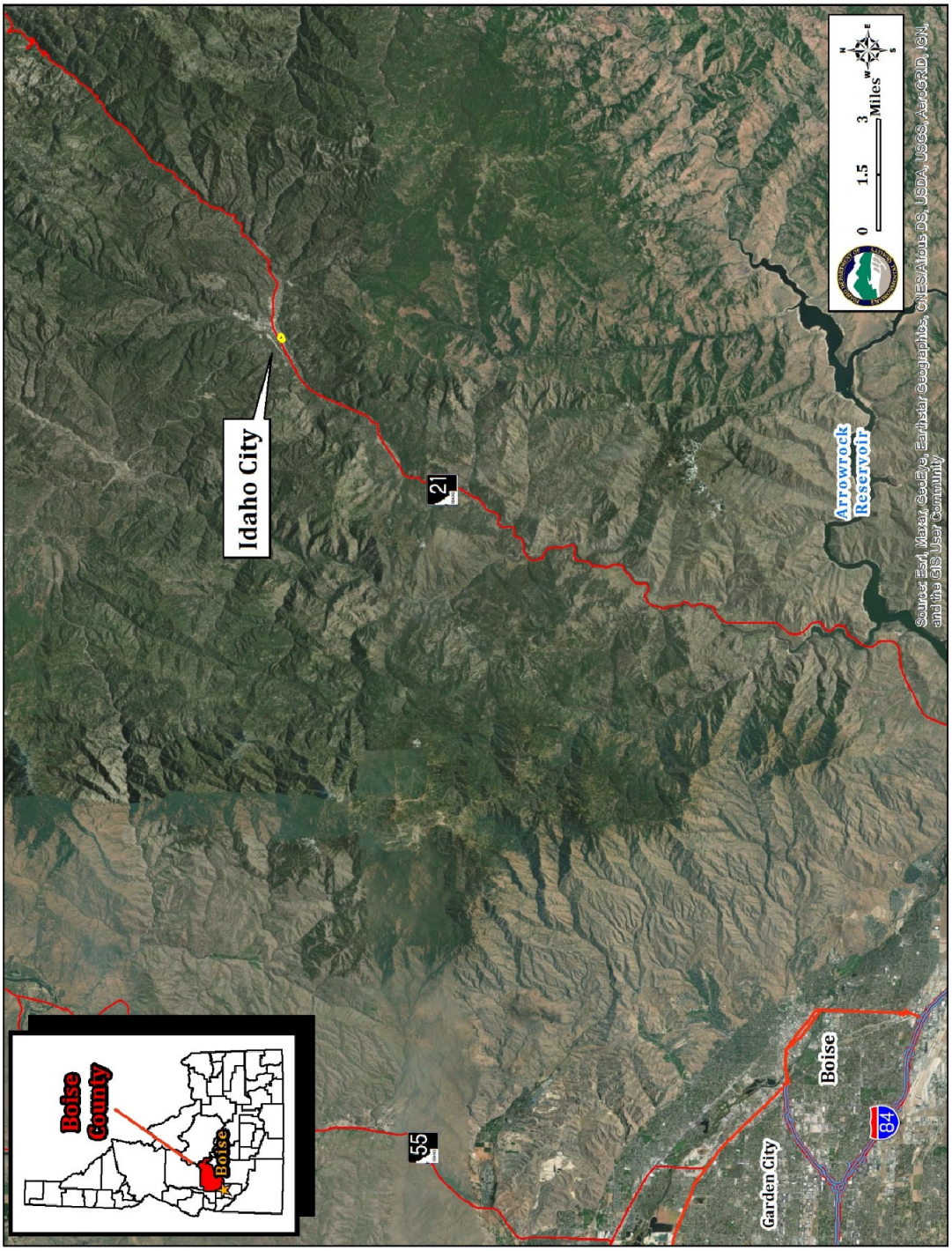
The well owner must maintain the well to prevent waste or contamination of ground waters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant 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 Ground Water Resource

The well owner must have any well shown to pose a threat to human health and safety or cause contamination of the ground water 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

