Idaho Department of Environmental Quality
Reuse Permit
M-235-03

The City of Georgetown (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 December 14, 2028

Katy Bergholm
Regional Administrator
Pocatello Regional Office
Idaho Department of Environmental Quality

12/14/2023
Date

Department of Environmental Quality
Pocatello Regional Office
444 Hospital Way, Building #300
208-236-6160
Pocatello, ID. 83201

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1. Common Acronyms, Abbreviations and Definitions

CA	compliance activity
COD	chemical oxygen demand
crop uptake	those constituents assimilated by the crop from the soil, and those from applied fertilizer, biosolids and other soil amendments, recycled water, irrigation water, and other sources. Crop uptake excludes those constituents assimilated from the atmosphere, such as gaseous nitrogen fixed by legumes. Crop uptake plus atmospheric assimilated constituents equals crop content.
cwt	a unit of weight measurement equal to 100 pounds
DEQ	Idaho Department of Environmental Quality
DEQ Guidance	DEQ Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, latest revision
Director	Director of the Idaho Department of Environmental Quality or designee unless otherwise specified
EPA	Environmental Protection Agency
E_i	irrigation efficiency
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
GW	prefix for groundwater reporting serial number
IDAPA	Idaho Administrative Procedures Act
IDWR	Idaho Department of Water Resources
IWR	irrigation water requirement - any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). The equation used to calculate the IWR is: $IWR = P_{def}/E_i$
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
MU	prefix for management unit reporting environmental serial number
NPDES	National Pollutant Discharge Elimination System

N	nitrogen
NTU	nephelometric turbidity unit
ppm	parts per million
P	phosphorus
P_{def}	precipitation deficit - is synonymous with the net irrigation water requirement of the crop and for the purposes of this permit can be found at the following website http://data.kimberly.uidaho.edu/ETIdaho/
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.
SU	prefix for soil monitoring unit reporting serial number
SW	prefix for supplemental irrigation water reporting serial number
WW	prefix for wastewater reporting serial number
yr	year

2. Facility Information

Information Type	Information Specific for This Permit
Class of recycled water	Municipal Class D Recycled Water
Method of treatment	Preliminary treatment via regulated flow through the established three (3) cell lagoon system and winter storage in a fourth cell. Disinfection of recycled water to Class D recycled water standards.
Method of reuse	Recycled water is used for crop irrigation via slow rate land application.
Collection and treatment system classification.	Wastewater collection system classification: Class 1 Wastewater treatment system classification: Class 1 Land Application / Reuse
Facility mailing address **Phone** **E-mail**	P.O. Box 99 Georgetown, ID 83239 Phone 208-847-2120 georgetowncityhall@gmail.com
Facility Responsible Official and Authorized Representative	Responsible Official: Mayor Authorized Representative: Shane Clark - Operator Notify DEQ within 30 days of personnel changes to any of the facility contacts listed above.
Groundwater	Depth to water 15-55 ft., at the lagoons and the reuse site. Beneficial uses: agriculture The reuse area is within the boundaries of the Georgetown-Bennington Nitrate Priority Area as designated by DEQ in 2014. Public Water Supply wells > 1000 feet Groundwater flow reported to flow toward the WSW
Surface Water	Bear River ½ mile to the west Intermittent seasonal drainage 120 feet to the south Canal ditch 160 feet north of the land app site, between the treatment lagoons and the new land application site. Beneficial uses: agriculture

3. Compliance Schedule for Required Activities

<table>
<tr><th>Compliance Activity Number and Completion Due Date</th><th>Compliance Activity Description</th></tr>
<tr><td>CA-235-01

Seepage testing plan submittal required, no later than April 2024</td><td>Seepage Testing: The following table shows the date by which the permittee shall complete seepage testing on the specified lagoons:

<table>
<tr><th>Lagoon:</th><th>Seepage Test Due Date:</th></tr>
<tr><td>Cell #1 (LG-235-01)</td><td>2024</td></tr>
<tr><td>Cell #2 (LG-235-02)</td><td>2031 (next permit cycle)</td></tr>
<tr><td>Cell #3 (LG-235-03)</td><td>2031 (next permit cycle)</td></tr>
<tr><td>Winter Storage Lagoon (LG-235-04)</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 before the planned seepage test. The seepage test procedures shall be sealed by the Idaho licensed professional engineer or professional geologist in responsible charge for the test.

Seepage tests shall be completed according to the procedures approved by DEQ. The seepage test report shall 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>
<tr><td>CA-235-02
12 months prior to permit expiration</td><td>Pre-Application Conference: If the permittee intends to continue operating the wastewater 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 wastewater reuse permit application package.</td></tr>
<tr><td>CA-235-03
One hundred eighty (180) days prior to permit expiration</td><td>Renewal Permit Application: The permittee shall submit to DEQ a complete permit renewal application package, which fulfills the requirements specified at the pre-application conference identified in CA-235-02.</td></tr>
</table>

4. Permit Limits and Conditions

4.1. Management Unit Descriptions

Serial Number	Description	Recycled Water Type	Irrigation System Type and Irrigation Efficiency (E_i)	Acres[a]
MU-235-01	Management Unit	Class D	Hand Lines (E_i = 0.70)	30
			Total Acreage	30

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.

4.2. Hydraulic Loading Limits

Serial Number	Growing season hydraulic loading	Non-growing season maximum hydraulic loading
MU-235-01	Substantially at the crop specific Irrigation Water Requirement (IWR) The source of P_{def} data used to calculate the IWR shall be specified in the PO	Non-growing season application is not allowed

4.3. Constituent Loading Limits

Serial Number	Constituent loading limit (from all sources)			
	Nitrogen (lb per acre)[a]	Phosphorus (lb per acre)	Salt (Non-volatile dissolved solids, NVDS) (lb per acre)	COD (lb per acre)
MU-235-01	150% of crop uptake	N/A	N/A	N/A

a. Typical crop uptake is the median constituent crop uptake from the 3 most recent years the crop has been grown. For crops having fewer than three years of on-site crop uptake data, other crop yield data or nutrient content values may only be used if DEQ provides written approval before use.

N/A indicates not applicable as a limited constituent at this time.

4.4. Management Unit Buffer Zones

Serial Number	Buffer Distances (in feet) from Hydraulic Management Units [a]					
	Public Water Supplies	Private Water Supplies	Inhabited Dwellings	Permanent and Intermittent Surface Water	Irrigation Ditches and Canals	Areas Accessible to the Public
MU-235-01	1,000	500	500	100	50	300

a Buffer zone distances apply unless a DEQ approved Buffer Zone Plan indicates that reduced buffer zones are acceptable due to DEQ approved mitigation measures.

4.5. Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing Season	April 1 through October 31 (214 days)
Non-growing Season	November 1 through March 31 (151 days)
Reporting Year for Annual Loading Rates	November 1 through October 31
Disinfection limits in recycled water	Class D: The median number of total coliform organisms does not exceed 230 total coliform organisms/100 mL, as determined from the bacteriological results of the last 3 days for which analyses have been completed. No sample shall exceed 2,300 total coliform organisms/100 mL in any confirmed sample.
Crop or vegetation restrictions	Food crops must undergo commercial pathogen-destroying processing before being consumed by humans. See IDAPA.58.01.17.602.02, Table 3.
Grazing	Grazing is allowed according to the grazing management plan approved by DEQ.
Posting	When using Class D recycled water for irrigation, notify the personnel in the area that recycled water is used and is not safe for drinking. For the public, post signs around the perimeter of the irrigation site stating “Recycled Water - Do Not Enter” or equivalent signage in English and a secondary language as applicable.
Fencing	Three-wire fencing required around the treatment lagoons, LG-235-01, LG-235-02, and LG-235-03, the winter storage lagoon, LG-235-04, and management unit MU-235-01.
Operator Licensure	The wastewater treatment facility and reuse system shall 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 of the Wastewater Rules and properly trained to operate and maintain the system.
Construction Plans & Specifications	Pursuant to Idaho Code §39-118, IDAPA 58.01.16, and IDAPA 58.01.17, detailed plans and specifications shall be submitted to DEQ for review and approval prior to construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, or reuse facility. Inspection requirements shall be satisfied and within 30 days of completion of construction and the permittee shall 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.
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 Irrigation Water Monitoring, 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-235-01 Recycled water sampling point inside the irrigation pump building, or from the pivot at the management unit	Recycled water after chlorination and before application to MU-235-01	24-hour composite sample, a minimum of four (4) individual aliquots evenly distributed by volume and over time. Reported monthly for MU-235-01 during periods of recycled water use	- Total nitrogen - Total phosphorus - Non-volatile dissolved solids
		Monthly Grab Sample Reported monthly for MU-235-01 during periods of recycled water use [a]	-Total Coliform Organisms /100 mL
SW-235-01 Irrigation water from either a canal source or groundwater source if applied to MU-235-01	Irrigation water prior to mixing with recycled water, and prior to being applied to MU-235-01	Grab sample Twice - April and August of first permit year when irrigating	- Total nitrogen, as N - Total phosphorus, as P - Non-volatile dissolved solids

a. In order to calculate the median coliform count: A minimum of three (3) coliform samples will be collected in the first month (30 days) to determine compliance with the Class D disinfection standards listed in Table 4.5 of this permit. Return to standard sampling thereafter, once the minimum number of confirmed samples listed in Section 4.5 are taken and recorded.

5.1.2. Management Unit Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Sample Description	Sample Type and Frequency	Measured Parameters, each MU
MU-235-01 Treatment lagoon / winter storage lagoon pump house flow meter	Effluent volume from LG-235-04 after disinfection, prior to application on MU-235-01	- Daily meter reading. - Monthly, seasonal, and annual compilation of data	- Daily effluent volume (MG per month and depth reported as inches per acre per month)
MU-235-01 Flow meter for supplemental irrigation water pump	Volume of water from irrigation Canal or other sources to MU-235-01	- Daily flow meter readings, Daily pump run times, or hour meter readings and volume conversions - Monthly, seasonal, and annual compilation of data	- Daily Irrigation water volume when applying (MG per month and depth reported as inches per acre per month)

5.2. Groundwater Monitoring

5.2.1. Groundwater Monitoring Point Descriptions

Monitoring Point Serial Number	Common Designation	Location	Well type
GW-235-01	GW 1	Northeast corner of the management unit	Monitoring well Upgradient from Management Unit, Downgradient from Lagoon
GW-235-02	GW 2	Southeast of the management unit	Monitoring well Upgradient from Management Unit, Downgradient from Lagoon
GW-235-03	GW 3	West boundary of the management unit	Monitoring well Downgradient from Management Unit, GW-235-01, and GW-235-02
GW-235-04	GW 4	Southern boundary of the management unit	Monitoring well Downgradient from Management Unit, GW-235-01, and GW-235-02

5.2.2. Groundwater Monitoring, Sampling, and Analyses

Monitoring Point Serial Number	Sampling Point Description	Sample Type and Frequency	Constituents (units in mg/L unless otherwise specified)
GW-235-01 GW-235-02 GW-235-03 GW-235-04 And any new wells	Monitoring wells	Groundwater Elevation, Water Depth Measurement to water below ground surface measured during each sampling event	- Water table elevation (1/100 of a foot) - Water table depth (1/100 of a foot)
		Unfiltered grab sample/twice annually (unless otherwise specified): April and October, or as early as the site is accessible, prior to land application.	- Nitrate-nitrogen, as N - Total Dissolved Solids - pH (Standard Units) - Chloride

5.3. Soil Monitoring

5.3.1. Soil Monitoring Unit Descriptions

Monitoring point serial number	Description	Associated MU
SU-235-01	Soil Management Unit	MU-235-01

5.3.2. Soil Monitoring, Sampling, and Analyses

Monitoring point serial number	Sample type (see Note)	Sample frequency	Constituents (units in mg/kg soil unless otherwise specified)
SU-235-01	Composite samples [a]	Annually in March, or as early as the site is accessible, prior to land application.	- pH (standard units) - Plant available phosphorus (Olsen Method) - Nitrate - nitrogen - Ammonium nitrogen - EC (µmhos/cm, in saturated paste extract) - Exchangeable sodium percentage (ESP), unitless

a. The number of sample locations specified in the PO or QAPP for each SU shall be sampled. At each location, samples shall be obtained from three depths: 0–12 inches; 12–24 inches; and 24–36 inches or refusal. The samples obtained from each depth shall be composited by depth to yield three composite samples for each soil monitoring unit; one composite sample for each depth.

5.4. Crop Monitoring

5.4.1. Crop Harvest Monitoring

Associated Hydraulic Management Units	Sample type	Sample Frequency	Parameters [a]
MU-235-01	Harvested portion, each crop, From the management unit. Reported separately by acreage if different crops are grown	Each harvest	- Crop type - Harvest date - Sample collection date - Harvested acreage (acres) - As-harvested ('wet') yield in customary harvested units (tons, bushels, cwt, etc.). - As-harvested (field) moisture content (%)[b] - Dry yield (lb)

a. Documentation of reported yields shall be provided for each harvest from each MU.
b. The field moisture shall be monitored at the time the harvested crop is weighed.

5.4.2. Plant Tissue Monitoring

Associated Hydraulic Management Units	Sample Type	Sample Frequency	Parameters [a]
MU-235-01	Harvested portion, each crop Reported separately by acreage if different crops are grown	Each harvest	- Moisture content (%); - Total Kjeldahl nitrogen (%); - Nitrate nitrogen, as N (ppm) - Phosphorus as P (ppm) - Ash (%)

a. Report dry-basis results for all parameters except lab moisture content.

5.5. Lagoon Information

Serial number	Description	Estimated Surface Area, acres	Maximum Operating Volume, MG	Liner Type
LG-235-01	Lagoon 1 Primary Treatment Aerated Lagoon	0.37	0.94	Clay
LG-235-02	Lagoon 2 Primary Treatment Facultative Lagoon	0.53	0.84	Clay
LG-235-03	Lagoon 3 Primary Treatment Facultative Lagoon	0.42	0.73	Clay
LG-235-04	Lagoon 4 Winter Storage Lagoon	5.2	20.4	HDPE

6. Reporting Requirements

6.1. Annual Report Requirements

The permittee shall 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 shall cover the previous reporting year.

6.1.2. Required Contents

The Annual Report shall include the following:

1. Detailed results of the required monitoring as described in section 5 of this permit. The report shall 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 shall 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 shall 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-235-01	Depth to groundwater measurements below the ground surface from all three monitoring wells,	1/100 of a foot
	Recycled water loading rate	Million gallons per month, and Inches per acre per month
	Irrigation water loading rate	Million gallons per month, and Inches per acre per month
	Irrigation water requirement (IWR) for each crop grown	Inches per month, and Total inches applied during the GS
	Recycled water nitrogen, phosphorus, and NVDS loading rates	Pounds per acre per year on a monthly basis
	Supplemental Irrigation water nitrogen, phosphorus, and NVDS loading rates	Pounds per acre per year on a monthly basis
	Fertilizer nitrogen and phosphorus application rates, reported separately as elemental N and P	Pounds per acre per year on a monthly basis
	Groundwater and soil monitoring results	As listed
	Crop harvest and yield Report each harvest and the annual totals for each MU.	Crop types harvested Total harvested area (acres) Total 'wet' yield (lb/yr, lb/acre per year) Total 'dry' yield (lb/yr, lb/acre per year)
	Crop nitrogen, phosphorus, and ash removal rates (dry-basis) Report each harvest and the annual totals for each MU.	Pounds-N per acre per year Pounds-P per acre per year Pounds Ash per acre per year

6.1.3. Submittals

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

- Permit applications shall be signed by the responsible official as described below:
  a. For a corporation by a responsible corporate officer.
  b. For a partnership or sole proprietorship by a general partner or the proprietor, respectively.
  c. 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 shall 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:
  a. The authorization is made in writing by the responsible official.

b. 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.
c. 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
Pocatello Regional Office
444 Hospital Way #300
Pocatello, ID 83201

The annual report, or any other data or monitoring information submitted to DEQ, shall 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 shall 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 shall 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 shall report noncompliance incidents to DEQ's regional office at 208-236-6160, or 1-800-655-6160.

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 shall 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 shall 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. Section 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, 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.

Domestic water and irrigation water supply wells shall 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 shall 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 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. 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 shall comply with the requirements of "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)
Violations (IDAPA 58.01.17.930)

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 shall comply with all applicable provisions identified in this section, as well as all other applicable 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 in accordance with 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 in accordance with the applicable rules. See IDAPA 37.03.09.036.06 and consult the IDWR for more information.

11. Site Maps

Figure 1. City of Georgetown Vicinity map.

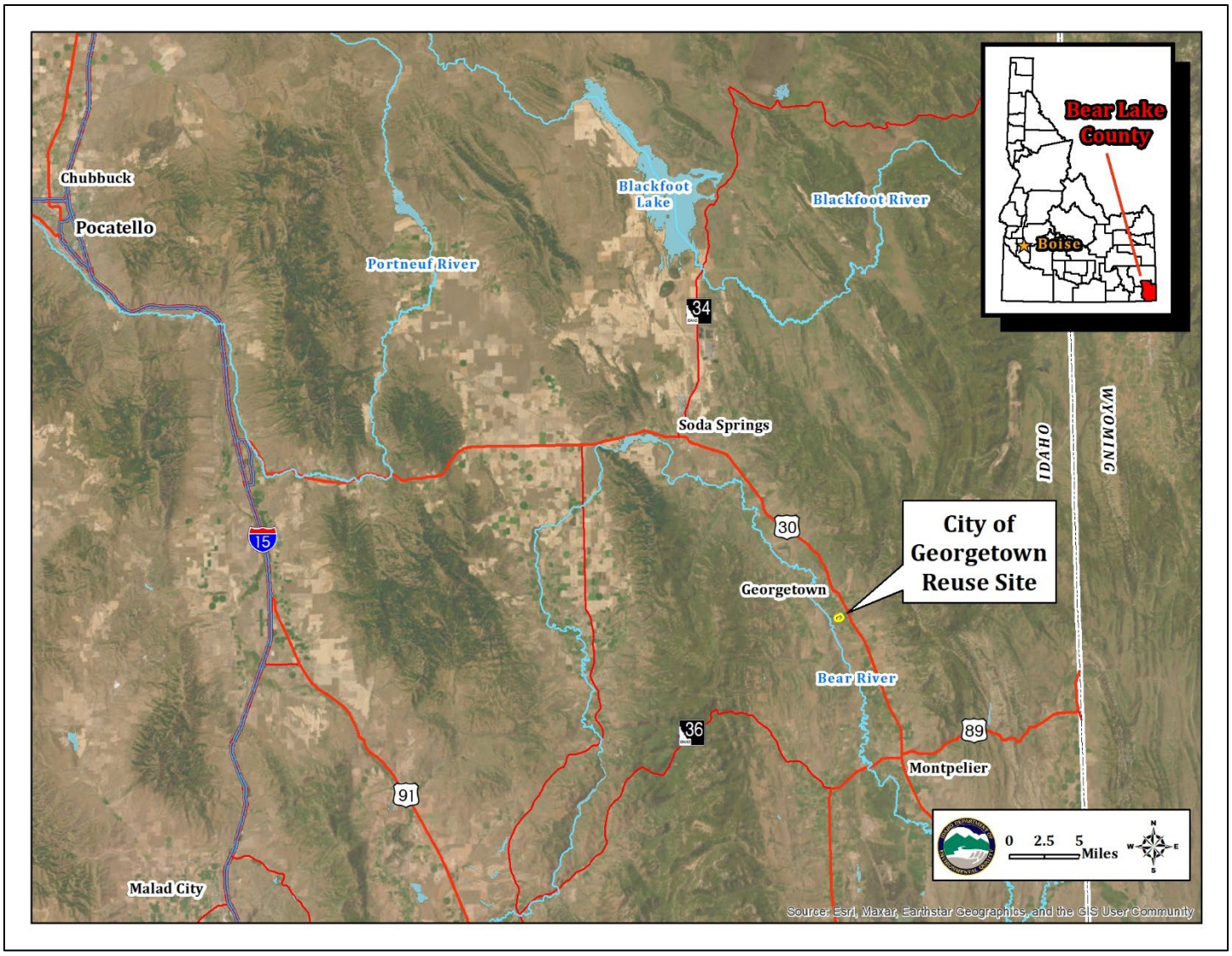


Figure 2. City of Georgetown Irrigated Management Unit, Monitoring Wells, and Lagoons.

