

# Idaho Department of Environmental Quality

## Reuse Permit

### M-236-01

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Payette Lakes Recreational Water and Sewer District (hereafter “permittee”) is hereby authorized to construct, install, and operate a reuse facility in accordance with (1) this permit; (2) IDAPA 58.01.17 “Recycled Water Rules”; (3) an approved plan of operation; and (4) all other applicable federal, state, and local laws, statutes, and rules. This permit is effective from the date of signature and expires on November 20, 2023.



Signature



Date

Aaron Scheff

Regional Administrator  
Boise Regional Office  
Idaho Department of Environmental Quality

Idaho Department of Environmental Quality  
Boise Regional Office  
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## 1. Common Acronyms/Abbreviations and Definitions

bgs	below ground surface
CA	compliance activity
COD	chemical oxygen demand
cwt	a unit of weight measurement equal to 100 pounds
DEQ	Idaho Department of Environmental Quality
Director	DEQ Director or designee unless otherwise specified
$E_i$	irrigation efficiency
EPA	United States Environmental Protection Agency
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
GW	prefix for ground water 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.
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
msl	mean sea level
$\mu\text{mhos/cm}$	micromhos per centimeter
MG	million gallons
mg/kg	milligram per kilogram
mg/L	milligram per liter
mL	milliliter
MU	management unit, prefix for management unit reporting environmental serial number
NPDES	National Pollutant Discharge Elimination System

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NTU	nephelometric turbidity unit
N	nitrogen
ppm	parts per million
P	phosphorus
P <sub>def</sub>	precipitation deficit - is synonymous with the net irrigation requirement of the crop and for the purposes of this permit can be found at the following website <a href="http://data.kimberly.uidaho.edu/ETIdaho/">http://data.kimberly.uidaho.edu/ETIdaho/</a>
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
WWTF	wastewater treatment facility
yr	year

## 2. Facility Information

Information Type	Information Specific to This Permit
Type(s) of recycled water	Municipal Class C with additional conditions (see section 4.5)
Method of treatment and reuse	WWTF: Aerated treatment lagoons, facultative lagoon, detention time, filtration (during growing season), and disinfection. Reuse: Slow rate land application of recycled water during the growing season.
Wastewater collection and treatment system classification and licensure requirements. See IDAPA 58.01.16.202.01.a	Wastewater collection system: Class IV Wastewater treatment system: Class II Wastewater Land Application
Facility locations	The WWTF is located in the City of McCall, on Industrial Loop, north of Deinhard Lane.  The Storage Reservoir (LG-236-04) is located immediately south of the WWTF, on the south side of Deinhard Lane.  The Pressure to Gravity structure is located on permittee property west of the intersection of Johnson Lane and Norwood Road, approximately 2½ miles south of the WWTF.  The recycled water land application sites are located west of State Highway 55, south of Lake Fork Road, east of the North Fork of the Payette River, and north of Fairbrother Lane.
Facility mailing address	201 Jacob Street McCall, Idaho 83638
Facility responsible official and authorized representative	Responsible Official: Dale Caza, Manager Phone: 208-634-4111 Email: dcaza@plrwsd.org  Authorized Representative: Jeff Bateman, Operations Superintendent Phone: 208-634-4111 Email: jbateman@plrwsd.org  Notify DEQ within 30 days if there is a change in personnel for any of the above facility contacts. A minor permit modification will be issued by DEQ to confirm the change.
Ground water	Static water depth: 65 feet bgs to 2 feet bgs Flow direction: Generally south and west towards the Cascade Reservoir and the North Fork of the Payette River  Beneficial uses: Domestic water supply

Information Type	Information Specific to This Permit
Surface water	<p>North Fork Payette River: Approximately 1,000 feet to the west of closest land application site. North Fork Payette Subbasin HUC 17050123, Waterbody Unit SW-1 (IDAPA 58.01.02.140.17)</p> <p>Designated Beneficial uses: Cold water communities                      Salmonid spawning                      Primary contact recreation                      Domestic water supply</p> <p>Mud Creek: North Fork Payette Subbasin HUC 17050123, Waterbody Unit SW-15 (IDAPA 58.01.02.140.17) This Waterbody Unit is not designated for aquatic life and/or recreation use. Presumed use protections for cold water aquatic life and contact recreation apply (58.01.02.101.a).</p> <p>Designated beneficial uses: Agricultural water supply, industrial water supply, wildlife habitats, and aesthetics (IDAPA 58.01.02.100.03, 04, and 05).</p>

### 3. Compliance Schedule for Required Activities

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
<p>CA-236-01                      No later than six (6) months after the reuse permit date of issuance.                      An updated Plan of Operation shall be submitted after the first year of operation, reflecting actual operating procedures.</p>	<p><b>Plan of Operation (PO):</b> The permittee shall submit for review and approval a Plan of Operation (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 Plan of Operation Checklist in the DEQ Reuse Guidance.</p> <p>The PO shall include the following site management plans or the permittee may submit the site management plans individually:</p> <ol style="list-style-type: none"> <li>1. Operation and Maintenance Manual (OMM). An updated OMM for the WWTF and an OMM for the reuse facilities shall be prepared by the permittee. The OMM shall provide guidance, direction, and instructions on the operation and maintenance of the wastewater treatment and reuse facilities, including an Emergency Operations Plan for the facilities. The OMM shall also address how the permittee has operational control of all the land application sites (management units).</li> <li>2. Runoff management plan. The runoff management plan shall include best management practices that will be implemented to minimize ponding and prevent runoff from any management unit irrigated with recycled water, except in the event of a 25 year, 24-hour storm event.</li> <li>3. Waste solids management plan. The waste solids management plan shall address monitoring of the accumulation of waste solids (sludge) in the lagoons (including monitoring frequency), and removal, treatment, and disposal of waste solids (sludge). The disposal of sludge must comply with all criteria in 40 CFR, Part 503.</li> <li>4. Nuisance Odor Management Plan: The nuisance odor management plan shall discuss odor prevention and odor minimization at the WWTF and the MUs, including WWTF operational changes to minimize odors, and the handling of odor complaints.</li> <li>5. Irrigation management and scheduling plan. The irrigation management and scheduling plan shall include irrigation scheduling, irrigation application rates, and discussions of irrigation pressures and pressure fluctuations for each MU. The type of irrigation system and the irrigation efficiencies for the system must be included. The irrigation management plan shall discuss the irrigation water requirements of the vegetation grown on each management unit and the methodology for determining the IWR and complying with the reuse permit hydraulic loading limits. The irrigation management plan shall also include a discussion of managing irrigation application rates and duration to control runoff, and general farming practices. The irrigation management and scheduling plan shall include requirements for not irrigating with recycled water during windy conditions in order to eliminate overspray of recycled water outside the MU buffer zones. The irrigation management and scheduling plan shall include record keeping sheets specific to irrigation, including</li> </ol>

<p><b>Compliance Activity (CA) Number and Completion Due Date</b></p>	<p><b>Compliance Activity Description</b></p>
	<p>water use data sheets showing daily reuse and supplemental irrigation water applied to each site. The plan shall include an explanation of how the separate volumes of recycled water and supplemental irrigation water for each management unit will be tracked using the site group flowmeters and management unit flowmeters. The plan should be integrated with the Grazing management plan.</p> <p>6. Nutrient management plan. A plan for the management of nutrients in the recycled water (and any other sources) to ensure that nutrient loading limits are not exceeded. The plan should be integrated with the Grazing management plan.</p> <p>7. Grazing management plan. The grazing management plan shall document the practices that are employed at each land application site, and address, but not be limited to, grazing practices, monitoring soil conditions to avoid excessive compaction, weather management, crop monitoring and management, and record keeping and reporting procedures.</p> <p>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.</p>
<p>CA-236-02                      No later than three (3) months after the reuse permit date of issuance.</p>	<p><b>Quality Assurance Project Plan (QAPP):</b> 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.</p> <p>The QAPP shall be designed to assist in planning for the collection, analysis, and reporting of all monitoring in support of this permit and in explaining data anomalies when they occur. At a minimum, the QAPP must include the following:</p> <ol style="list-style-type: none"> <li>1. Materials and methods used to collect samples.</li> <li>2. Details on the 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.</li> <li>3. Maps indicating the location of each monitoring, and sampling point.</li> <li>4. Qualification and training of personnel.</li> <li>5. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee.</li> <li>6. Example formats and tables that will be used by the permittee to summarize and present all data in the annual report.</li> </ol> <p>The format and content of the QAPP should adhere to the recommendations and references in the Quality Assurance and Data Processing sections of the DEQ Guidance.</p> <p>The permittee shall amend the QAPP whenever there is a modification in sample</p>

<p><b>Compliance Activity (CA) Number and Completion Due Date</b></p>	<p><b>Compliance Activity Description</b></p>
	<p>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.</p>
<p>CA-236-03 No later than three (3) months after the reuse permit date of issuance.</p>	<p><b>Technical, Financial, Managerial Capacity Demonstration Report:</b> The permittee shall submit a Technical, Financial, Managerial Capacity Demonstration Report (TFM Capacity Report). The TFM Capacity Report shall demonstrate that the permittee has the technical, financial, and managerial capacity to successfully operate the wastewater system. The TFM Capacity Report shall comply with IDAPA 58.01.16.409.</p>
<p>CA-236-04 No later than nine (9) months after the reuse permit date of issuance.</p>	<p><b>Ground Water Monitoring Plan:</b> The permittee shall submit a Ground Water Monitoring Plan, prepared by a qualified professional geologist, licensed in the State of Idaho, or a qualified professional engineer, licensed in the State of Idaho. The plan shall include the following: (1) characterization of the hydrogeology of the reuse area, and the management units, (2) assessment of the likelihood of any ground water/surface water interconnections, and (3) address how ground water will be monitored to assure compliance with the Ground Water Quality Rule, IDAPA 58.01.11 (IDAPA, 2011) and protect surface water at all the management units. The plan shall include the development of a ground water monitoring well network.</p>
<p>CA-236-05 No later than 120 days after approval of the Ground Water Monitoring Plan</p>	<p><b>Ground Water Monitoring Well Construction and Ground Water Monitoring Plan Implementation:</b> Following approval of the Ground Water Monitoring Plan identified in CA-236-04, the permittee shall submit a sequence of installation with timelines, copies of necessary IDWR permits, and plans and specifications for monitoring well installations to DEQ. After DEQ approval of the timelines and plans and specifications, the permittee shall construct monitoring wells and implement the Ground Water Monitoring Plan according to the approved timelines. Following the construction of the ground water monitoring wells, well completion reports, including top-of-casing well elevations and geographic coordinates, shall be submitted to DEQ.</p>

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description										
CA-236-06 As specified	<p><b>Lagoon Seepage Testing:</b> The following table shows the date by which the permittee shall complete seepage testing on the specified lagoons:</p> <table border="1" data-bbox="467 453 1356 772"> <thead> <tr> <th data-bbox="467 453 911 495">Lagoon:</th> <th data-bbox="915 453 1356 495">Seepage Test Due Date:</th> </tr> </thead> <tbody> <tr> <td data-bbox="467 501 911 533">LG-236-01</td> <td data-bbox="915 501 1356 533">10/31/2023</td> </tr> <tr> <td data-bbox="467 539 911 571">LG-236-02</td> <td data-bbox="915 539 1356 571">10/31/2023</td> </tr> <tr> <td data-bbox="467 577 911 609">LG-236-03</td> <td data-bbox="915 577 1356 609">10/31/2023</td> </tr> <tr> <td data-bbox="467 615 911 772">LG-236-04</td> <td data-bbox="915 615 1356 772">Leak remediation is specified in the compliance agreement schedule between the permittee and DEQ dated September 6, 2017</td> </tr> </tbody> </table> <p>Seepage testing may be required prior to the test due date if there is a change of condition to a liner as outlined in IDAPA 58.01.16.493.02.d. Prior to performing activities that may affect liner permeability, the permittee shall contact DEQ in writing to determine if a seepage test will be required prior to returning the lagoon to service.</p> <p>Submit to DEQ for review and approval a proposed schedule and procedure for performing the required seepage tests at least 45 days prior to the planned seepage test. The seepage test procedures shall be sealed by the Idaho licensed professional engineer or professional geologist in responsible charge for the test.</p> <p>Seepage tests shall be completed in accordance with 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.</p> <p>The leakage rate shall be no more than what is allowed by IDAPA 58.01.16.493.03. Requirements for lagoons leaking above the allowable amount are outlined in IDAPA 58.01.16.493.04.</p>	Lagoon:	Seepage Test Due Date:	LG-236-01	10/31/2023	LG-236-02	10/31/2023	LG-236-03	10/31/2023	LG-236-04	Leak remediation is specified in the compliance agreement schedule between the permittee and DEQ dated September 6, 2017
Lagoon:	Seepage Test Due Date:										
LG-236-01	10/31/2023										
LG-236-02	10/31/2023										
LG-236-03	10/31/2023										
LG-236-04	Leak remediation is specified in the compliance agreement schedule between the permittee and DEQ dated September 6, 2017										
CA-236-07 Eighteen (18) months prior to the reuse permit expiration date	<p><b>Pre-Application Workshop:</b> 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 workshop to discuss the compliance status of the facility and the content required for the reuse permit application package.</p>										
CA-236-08 Twelve (12) months prior to the reuse permit expiration date	<p><b>Renewal Permit Application:</b> If the permittee intends to continue operating the reuse facility beyond the expiration date of this permit, the permittee shall submit to DEQ a complete permit renewal application package, which fulfills the requirements specified in CA-236-07 and identified at the pre-application workshop.</p>										

## 4. Permit Limits and Conditions

### 4.1 Management Unit Descriptions

Serial Number	Irrigation System Type and Irrigation Efficiency	Maximum Acres Allowed <sup>a</sup>
MU-236-01	Center Pivot ( $E_i = 0.85$ )	54.2
MU-236-02	Center Pivot ( $E_i = 0.85$ )	35.4
MU-236-03	Center Pivot ( $E_i = 0.85$ )	40.2
MU-236-04	Center Pivot ( $E_i = 0.85$ )	37.5
MU-236-05	Wheel Line ( $E_i = 0.80$ )	12.2
MU-236-06	Wheel Line ( $E_i = 0.80$ )	17.6
MU-236-07	Wheel Line ( $E_i = 0.80$ )	9.8
MU-236-08	Wheel Line ( $E_i = 0.80$ )	25.4
MU-236-09	Wheel Line ( $E_i = 0.80$ )	19.4
MU-236-10	Wheel Line ( $E_i = 0.80$ )	9.0
MU-236-11	Center Pivot ( $E_i = 0.85$ )	85.4
MU-236-12	Center Pivot ( $E_i = 0.85$ )	135.3
MU-236-13	Center Pivot ( $E_i = 0.85$ )	75.7
MU-236-14	Center Pivot ( $E_i = 0.85$ )	35.4
MU-236-15	Center Pivot ( $E_i = 0.85$ )	32.9
MU-236-16	Center Pivot ( $E_i = 0.85$ )	93.3
MU-236-17	Big Gun Sprinklers ( $E_i = 0.65$ )	14.3
MU-236-18	Big Gun Sprinklers ( $E_i = 0.65$ )	121.4
MU-236-19	Wheel Line ( $E_i = 0.80$ )	23.6
MU-236-20	Center Pivot ( $E_i = 0.85$ )	53.7
MU-236-21	Wheel Line ( $E_i = 0.80$ )	76.2
MU-236-22	Center Pivot ( $E_i = 0.85$ )	135.6
Total Acreage		1143.5

- a. Maximum acres represent the total permitted acreage of the management unit 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 utilized during each season or year.

## 4.2 Hydraulic Loading Limits

Serial Number	Growing Season Hydraulic Loading	Nongrowing Season Maximum Hydraulic Loading
All MU Serial Numbers in Section 4.1	<p>Substantially at the irrigation water requirement (IWR)<sup>a</sup></p> <p>Application of recycled water is not allowed on a management unit when the ground water depth is 2 feet bgs or less, and cannot commence until the ground water depth is greater than 3 feet bgs. If ground water depth, when initially measured for that irrigation season (i.e., April, see Section 5.1.2), is greater than 2 feet bgs, application of recycled water is allowed.</p>	Not allowed

a. For compliance purposes, the source of  $P_{def}$  data used to calculate the IWR shall be specified in the PO.

## 4.3 Constituent Loading Limits

Serial Number	Constituent Loading (from all sources <sup>a</sup> )	
	Nitrogen (lb/acre-yr)	Phosphorus (lb/acre-yr)
All MU Serial Numbers in Section 4.1	75.0	26.0

a. Includes supplemental irrigation water and any supplemental fertilizers, but excludes excreta from livestock.

## 4.4 Management Unit Buffer Zones

Serial Number	Buffer Distances (in feet) from Hydraulic Management Units					
	Public Water Supplies	Private Water Supplies	Inhabited Dwellings	Permanent and Intermittent Surface Water	Irrigation Ditches and Canals	Areas Accessible to the Public
All MU Serial Numbers in Section 4.1	1,000	500	300	100	50	0

## 4.5 Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing season	May 1 through September 30 (153 days)
Nongrowing season	October 1 through April 30 (181 days)
Reporting year for annual loading rates	October 1 through September 30
Operator certification and endorsement	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 and properly trained to operate and maintain the system. Operator in responsible charge of the reuse facilities shall have a Wastewater Treatment Land Application license.
Filtration Requirements	The wastewater effluent from the treatment lagoons shall be filtered through the WWTF sand filters during the growing season. Wastewater effluent flow through the filters shall commence at least three weeks prior to any recycled water being released for irrigation
Total Coliform Limits in Recycled Water	The median number of total coliform organisms shall not exceed 2.2 total coliform organisms/100 mL, as determined from the sample results of the last 7 days for which analyses have been completed. Sampled at the point of compliance (WW-236-02). No sample shall exceed 23 total coliform organisms/100 mL in any confirmed sample.
Disinfection Requirements	A chlorine disinfection process that provides a total chlorine residual at the point of compliance (WW-236-02) of not less than one (1) mg/L after a minimum contact time in the chlorine contact basins of 30 minutes at peak flow.
Crop or vegetation allowed	Refer to the irrigation management and scheduling plan in the PO approved by DEQ (see CA-236-01, Section 3).
Grazing	Grazing is allowed in accordance with the grazing management plan in the PO approved by DEQ (see CA-236-01, Section 3). Grazing of dairy livestock is not allowed.
Posting	Signs shall read "Warning: Recycled Water—Do Not Drink," or equivalent signage both in English and Spanish. Signs to be posted every 500 feet and at each corner of the outer perimeter of each management unit. Signs are required where management unit border areas are accessible to the public.
Fencing	Three-strand barbed wire fencing between areas accessible to the public and all management units.

Category	Permit Limits and Conditions
Construction plans	Pursuant to Idaho Code §39-118, IDAPA 58.01.16, and IDAPA 58.01.17, detailed plans and specifications shall be submitted to DEQ for review and approval prior to construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, ground water monitoring wells, or reuse facility. Inspection requirements shall be satisfied and within 30 days of completion of construction, the permittee shall submit as-built plans sealed by the professional engineer, registered in the State of Idaho, responsible for observation of construction, or a letter from the same professional engineer certifying the facilities or structures were constructed in substantial accordance with the approved plans and specifications.
Flow measurement calibration/verification	Flow measurement devices used to directly or indirectly measure wastewater and supplemental irrigation water flows applied to each management unit shall be calibrated or verified annually. Calibration/verification of flow measurement devices shall be done in accordance with the device manufacturer's specifications and with the permittee's QAPP.
Backflow prevention and testing requirements	Backflow prevention is required to protect surface water and ground water 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

Sample collection, analysis, and reporting of all monitoring shall be as specified in the QAPP. See CA-236-02.

### 5.1 Recycled Water and Supplemental Irrigation Water Sampling and Analyses

#### 5.1.1 Constituent Monitoring

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (Units in mg/L Unless Otherwise Specified)
WW-236-01 WWTF Influent	Wastewater influent	Weekly grab / reported as a monthly arithmetic mean of weekly grab samples.	- Five (5) day biochemical oxygen demand (BOD <sub>5</sub> ) <sup>a</sup> - Total Kjeldahl nitrogen, as N - Nitrite + nitrate-nitrogen, as N - Total phosphorus, as P
		Weekly grab / recorded weekly	- pH (standard units) - Temperature (°C)
WW-236-02 Recycled water downstream of the chlorine contact basins (upstream of the Storage Reservoir [LG-236-04])	Recycled water	Weekly grab / reported as a monthly arithmetic mean of weekly grab samples.	- Five (5) day biochemical oxygen demand (BOD <sub>5</sub> ) <sup>a</sup> - Total Kjeldahl nitrogen, as N - Nitrite + nitrate-nitrogen, as N - Total phosphorus, as P
		Weekly grab / recorded weekly	- Total coliform (total coliform organisms/100 mL) - pH (standard units) - Temperature (°C)
		Daily grab / recorded daily	- Total chlorine residual
		Weekly grab / reported as a monthly arithmetic mean of weekly grab samples, for first and fourth year of permit cycle only.	- Total dissolved solids - Volatile dissolved solids

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (Units in mg/L Unless Otherwise Specified)
WW-236-03 Recycled water discharge of Storage Reservoir (LG-236-04) Effluent 450 Pump Station	Recycled water	Weekly grab / reported as a monthly arithmetic mean of weekly grab samples, when utilizing.	- Total Kjeldahl nitrogen, as N - Nitrite + nitrate-nitrogen, as N - Total phosphorus, as P
		Monthly grab / recorded monthly, for first and fourth year of permit cycle only, when utilizing.	- Total dissolved solids - Volatile dissolved solids
		Monthly grab / recorded monthly, for first year of permit cycle only, when utilizing.	- Chemical oxygen demand (COD)
SW-236-01 Supplemental irrigation water in J- Ditch Canal (Lake Irrigation District Canal) adjacent to MU-236-01	Supplemental irrigation water	Monthly grab / recorded monthly, when utilizing	- Total Kjeldahl nitrogen, as N - Nitrite + nitrate-nitrogen, as N - Total phosphorus, as P
		Monthly grab / recorded monthly, when utilizing, for first and fourth year of permit cycle only.	- Total dissolved solids - Volatile dissolved solids

a COD may be monitored in lieu of BOD<sub>5</sub>. The PO and/or QAPP shall specify the methodology to determine a specific BOD<sub>5</sub> to COD ratio for the WWTF.

### 5.1.2 Management Unit and Other Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Sample Description	Sample Type and Frequency	Measured Parameters	
FM-236-01 Wastewater influent flowmeter at WWTF influent	Wastewater influent flow	- Continuous flowmeter reading - Daily compilation of data	- Volume: • MGD • MG/month	
FM-236-02 Chlorine Contact Basins flowmeter upstream of Chlorine Contact Basins	Lagoon or Sand Filters (when in use) effluent	- Continuous flowmeter reading, when discharging - Monthly compilation of data	- Volume: • MGD • MG/month	
FM-236-03 Recycled water flowmeter at Storage Reservoir (LG-236-04) Effluent 450 Pump Station	Recycled water flow	- Continuous flowmeter reading, when discharging - Monthly compilation of data	- Volume: • MGD • MG/month	
All MU Serial Numbers in	Reuse Turnouts and sprinkler	Recycled water flow	- Daily meter reading when utilizing - Monthly compilation	- Volume: • MG/month • MG/growing season - Application depth:

Section 4.1	systems or meter boxes at Management Units		of data	<ul style="list-style-type: none"> <li>• inches/month</li> <li>• inches/growing season</li> </ul>
All MU Serial Numbers in Section 4.1	Irrigation Turnouts and sprinkler systems or meter boxes at Management Units	Supplemental irrigation water flow	<ul style="list-style-type: none"> <li>- Daily meter reading when utilizing</li> <li>- Monthly compilation of data</li> </ul>	<ul style="list-style-type: none"> <li>- Volume:                             <ul style="list-style-type: none"> <li>• MG/month</li> <li>• MG/growing season</li> </ul> </li> <li>- Application depth:                             <ul style="list-style-type: none"> <li>• inches/month</li> <li>• inches/growing season</li> </ul> </li> </ul>

## 5.2 Ground Water Monitoring

### 5.2.1 Ground Water Monitoring Point Descriptions

Ground water monitoring wells and monitoring points shall be as established in the Ground Water Monitoring Plan (CA-236-04 and 05, Section 3).

### 5.2.2 Ground Water Monitoring, Sampling, and Analyses

Monitoring Point Serial Number	Sampling Point Description	Sample Type and Frequency	Constituents (Units in mg/L Unless Otherwise Specified)
See Section 5.2.1	Monitoring wells	Elevation, distance measurement/twice annually: April and October  If the depth to ground water as measured in April is 2 feet bgs, or less, in any ground water monitoring well, the ground water depth shall be monitored in that ground water monitoring well weekly, until the depth to ground water is greater than 3 feet bgs.	<ul style="list-style-type: none"> <li>- Water table elevation (feet above msl)<sup>a</sup></li> <li>- Water table depth (feet bgs)<sup>a</sup></li> </ul>

		Unfiltered grab sample <sup>b</sup> /twice annually: April and October	<ul style="list-style-type: none"> <li>- Nitrate-nitrogen, as N</li> <li>- Total phosphorus, as P</li> <li>- Ortho-phosphorus, as P<sup>d</sup></li> <li>- pH (Standard Units)<sup>c</sup></li> <li>- Specific conductance/electrical conductivity (µmhos/cm)<sup>c</sup></li> <li>- Total coliform bacteria (total coliform organisms/100mL)<sup>e</sup></li> <li>- Temperature (°C)<sup>c</sup></li> <li>- Total dissolved solids</li> <li>- Chloride</li> </ul>
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- a. Water table elevation and depth shall be measured prior to purging the ground water monitoring wells.
- b. Ground water monitoring wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance, and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other.
- c. pH, temperature, and specific conductance/electrical conductivity shall be measured in the field at the time of sampling.
- d. Ortho-phosphorus sample shall be filtered in the field at the time of sampling.
- e. If total coliform is detected, then additional analysis for fecal coliform or E. coli must be conducted and reported as required by IDAPA 58.01.11, *Ground Water Quality Rule*.

## 5.3 Soil Monitoring

### 5.3.1 Soil Monitoring Unit Descriptions

Monitoring Point Serial Number	Associated Management Unit
SU-236-01	MU-236-01
SU-236-02	MU-236-02
SU-236-03	MU-236-03
SU-236-04	MU-236-04
SU-236-05	MU-236-05
SU-236-06	MU-236-06
SU-236-07	MU-236-07
SU-236-08	MU-236-08
SU-236-09	MU-236-09
SU-236-10	MU-236-10
SU-236-12	MU-236-12
SU-236-13	MU-236-13
SU-236-14	MU-236-14
SU-236-15	MU-236-15
SU-236-16	MU-236-16
SU-236-17	MU-236-17
SU-236-18	MU-236-18

Monitoring Point Serial Number	Associated Management Unit
SU-236-19	MU-236-19
SU-236-20	MU-236-20
SU-236-21	MU-236-21
SU-236-22	MU-236-22

### 5.3.2 Soil Monitoring, Sampling, and Analyses<sup>a</sup>

Monitoring Point Serial Number	Sample Type	Sample Frequency	Constituents (Units in mg/kg Soil Unless Otherwise Specified)
All SU Serial Numbers in Section 5.3.1	Composite samples <sup>b</sup>	Annually: April or before commencement of irrigation or livestock grazing.	<ul style="list-style-type: none"> <li>- Electrical conductivity (µmhos/cm in saturated paste extract)</li> <li>- Nitrate-nitrogen</li> <li>- Ammonium-nitrogen</li> <li>- Plant available phosphorus</li> <li>- pH (standard units)</li> </ul>
	Composite samples <sup>b</sup>	First year and fourth year of permit (before commencement of irrigation)	<ul style="list-style-type: none"> <li>- DTPA extractable iron</li> <li>- DTPA extractable manganese</li> <li>- Exchangeable sodium percentage (ESP)</li> <li>- Cation Exchange Capacity (CEC)</li> <li>- % Organic Matter</li> </ul>

- a. Sampling is not required until recycled water begins to be applied to an management unit.
- b. 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

Crop monitoring is not required.

## 5.5 Lagoon Information

<b>Serial number</b>	<b>Description</b>	<b>Maximum Operating Surface Area (acres)</b>	<b>Maximum Operating Volume (MG)</b>	<b>Liner Type</b>
LG-236-01	Aerobic Treatment Lagoon	2.3	6.25	Clay
LG-236-02	Aerobic Treatment Lagoon	6.0	9.25	Clay
LG-236-03	Facultative Lagoon	2.3	3.25	Clay
LG-236-04	Storage Reservoir	20	268	High Density Polyethylene (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. A brief interpretive discussion of all required monitoring data. The discussion shall address data quality objectives, validation, and verification; permit compliance; and reuse facility environmental impacts. The reporting year for this permit is specified in section 0.
2. Results of the required monitoring as described in section 5 of this permit. 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. The report shall present all monitoring data in organized data summary tables to expedite review.
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. Results of the annual calibration or flow verification of the flow measurement devices used to measure wastewater and supplemental irrigation water flows.
6. Discussion of major maintenance activities such as major equipment replacement, lagoon liner maintenance, and wastewater treatment and reuse facility maintenance.
7. 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: 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.
8. All laboratory analytical reports and chain of custody forms.
9. Submittal of the calculations and observations for the monitoring points and management units specified in the table below:

<b>Management Unit or Monitoring Point Serial Number</b>	<b>Parameter (Calculate for each management unit or monitoring point)</b>	<b>Reporting Units</b>
All MU Serial Numbers in Section 4.1	IWR for each crop for each management unit	- Inches/acre-month <sup>a</sup> - Inches/acre-growing season - MG/acre-month - MG/acre-growing season
	Recycled water hydraulic loading rate at each management unit	- Inches/acre-month <sup>a</sup> - Inches/acre-growing season - MG/acre-month - MG/acre-growing season
	Supplemental irrigation water hydraulic loading rate at each management unit	- Inches/acre-month <sup>a</sup> - Inches/acre-growing season - MG/acre-month - MG/acre-growing season
	Recycled water nitrogen and phosphorus loading rates at each management unit	- Pounds/month - Pounds/acre-month - Pounds/growing season - Pounds/acre-growing season
	Supplemental irrigation water nitrogen and phosphorus loading rates at each management unit	- Pounds/month - Pounds/acre-month - Pounds/growing season - Pounds/acre-growing season
	Fertilizer nitrogen and phosphorus application rates, reported as elemental N and P	- Pounds/month - Pounds/acre-month - Pounds/growing season - Pounds/growing season
WW-236-02	Chlorine disinfection contact time – calculated and reported for each week of the year using the WWTF influent peak day flow for each week (measured at FM-236-02) and the total volume of chlorine contact basins utilized for that week	- Minutes at peak day flow
Other Reporting Requirements: 1. Visual observation of field conditions: areas of ponding, ice, and unusual conditions.		

a See Section 5.1.2 for other measured parameters.

### 6.1.3 Submittals

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

1. 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..
2. 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:
  - 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; and
  - 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  
Boise Regional Office  
1445 North Orchard  
Boise, ID 83706

The annual report 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 Quality Assurance Project Plan required by permit M-236-01, 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**

Report noncompliance incidents to the DEQ Boise Regional Office at (208) 373-0550 / 1-888-800-3480.

In case of emergencies, call the Idaho State Communication Center emergency 24-hour number at 1-800-632-8000 or (208) 846 7610.

See Section 8, “Standard Permit Conditions,” and IDAPA 58.01.17.500.06 for reporting requirements for facilities.

All instances of unauthorized discharges of wastewater to surface waters of the State of Idaho shall be reported to the DEQ Boise Regional Office by telephone within 24 hours from the time the permittee becomes aware of the discharge at the phone numbers provided in this section.

A written follow-up shall be provided to the DEQ Boise Regional Office within 5 days from the time the permittee became aware of the discharge.

Reporting of unauthorized discharges to surface waters to the DEQ Idaho Pollutant Discharge Elimination System (IPDES) program may also be required. Contact information for IPDES is provided below:

IPDES Compliance, Inspection, and Enforcement Lead  
1410 N. Hilton Street  
Boise, ID 83706  
833-IPDES24 or 833-473-3724

## 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 EPA NPDES program. An 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 that require a permit under the Clean Water Act must be authorized by the United States Environmental Protection Agency (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. 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 which 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 EPA under 40 CFR Part 503 and require a DEQ approved sludge disposal plan as outlined in IDAPA 58.01.16.650. Contact DEQ prior to application of 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 is generated by wastewater treatment processes at municipal and industrial facilities.

**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 which 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 which 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 IDAPA 58.01.06, "Solid Waste Management Rules. Wastes otherwise regulated by DEQ (i.e. this permit) are not regulated under 58.01.06.

**Waste Solids** include sludge and wastes otherwise regulated by DEQ in accordance 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 deminimis 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 "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, 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 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**

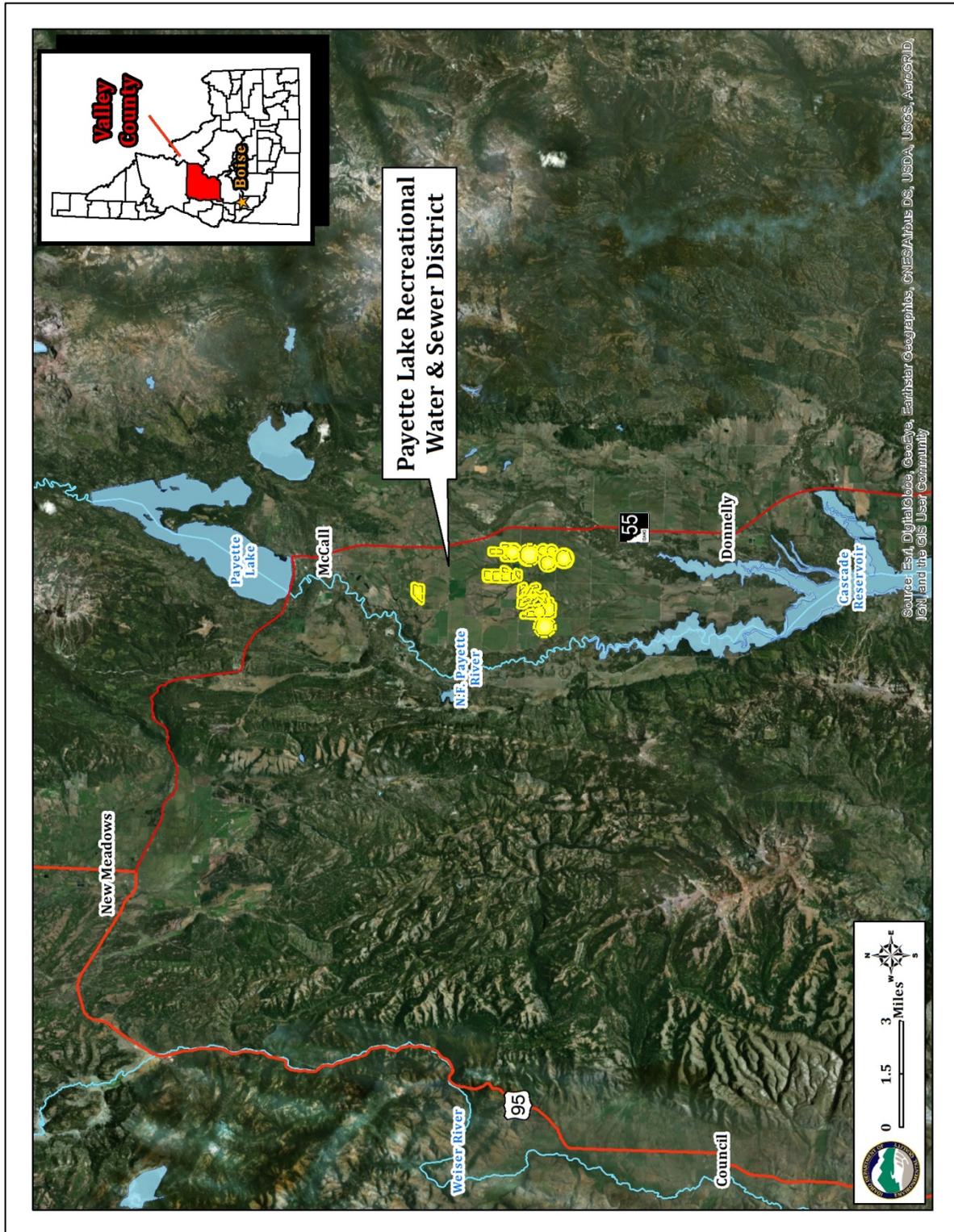
The well owner must maintain the well to prevent waste or contamination of ground waters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant well must have the well repaired by a licensed well driller under a permit issued by the IDWR director 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 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 in accordance with the applicable rules. See IDAPA 37.03.09.036.06 and consult the IDWR for more information.

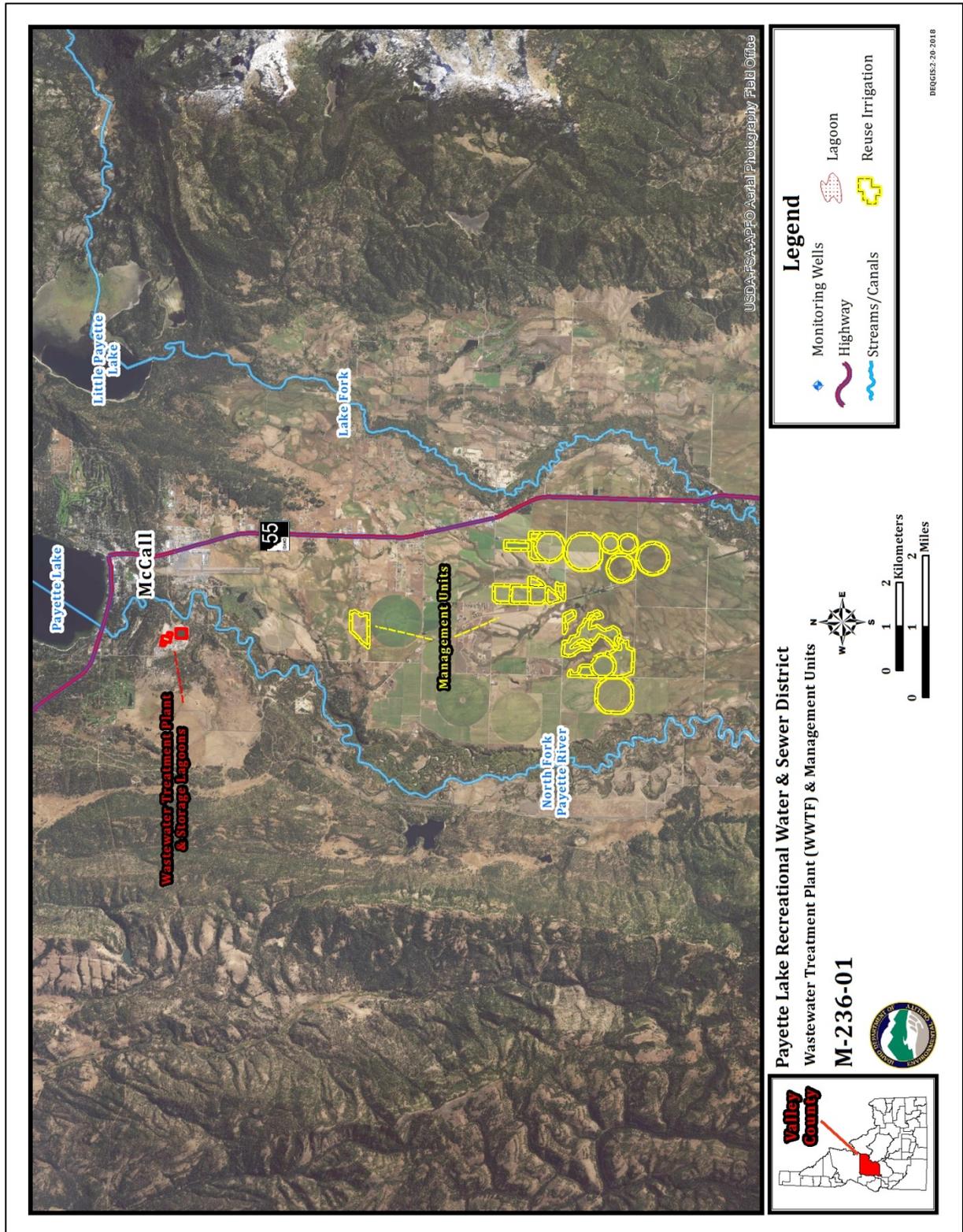
## 11. Site Maps

### 11.1 Vicinity Map

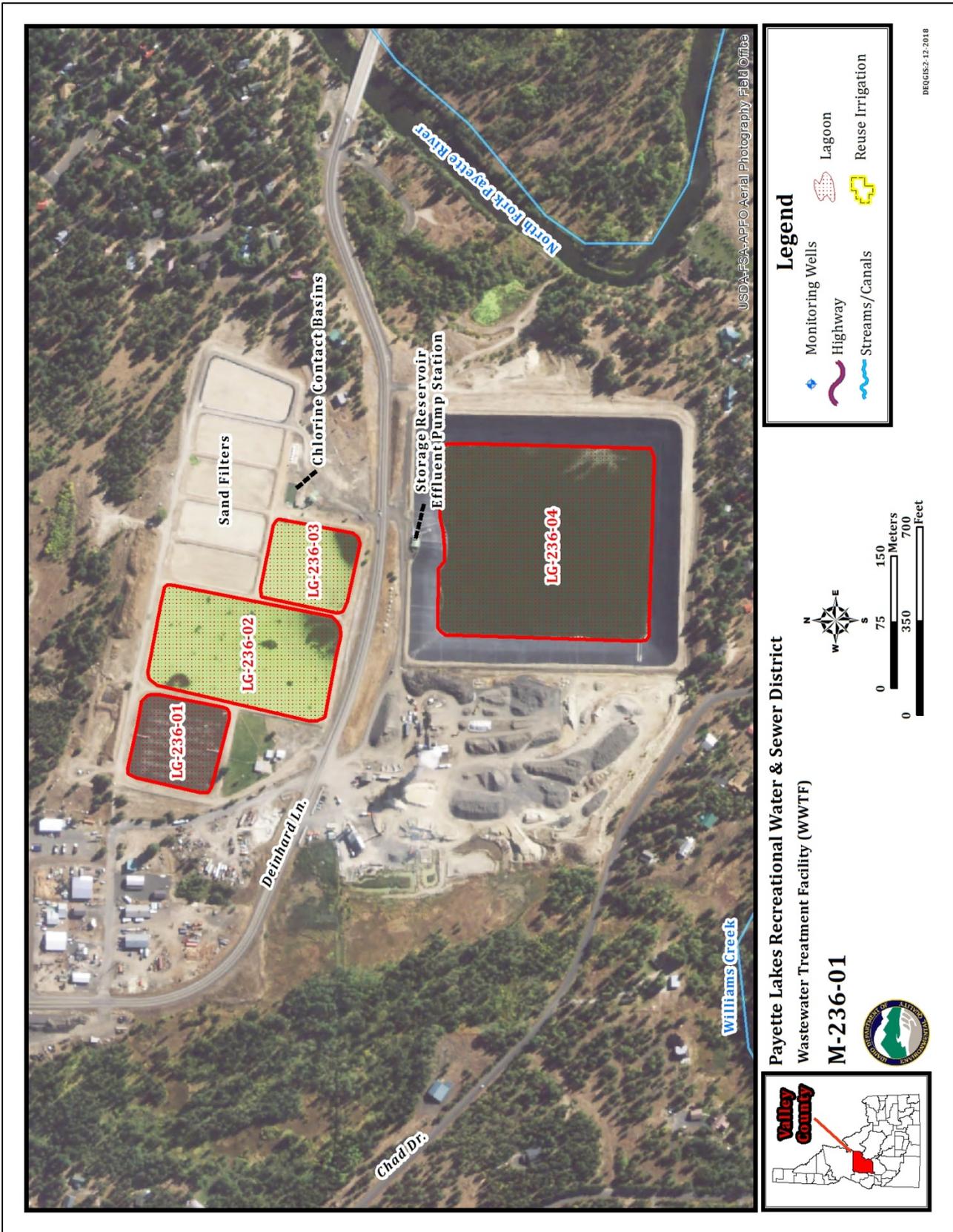


## 11.2 Facility Maps

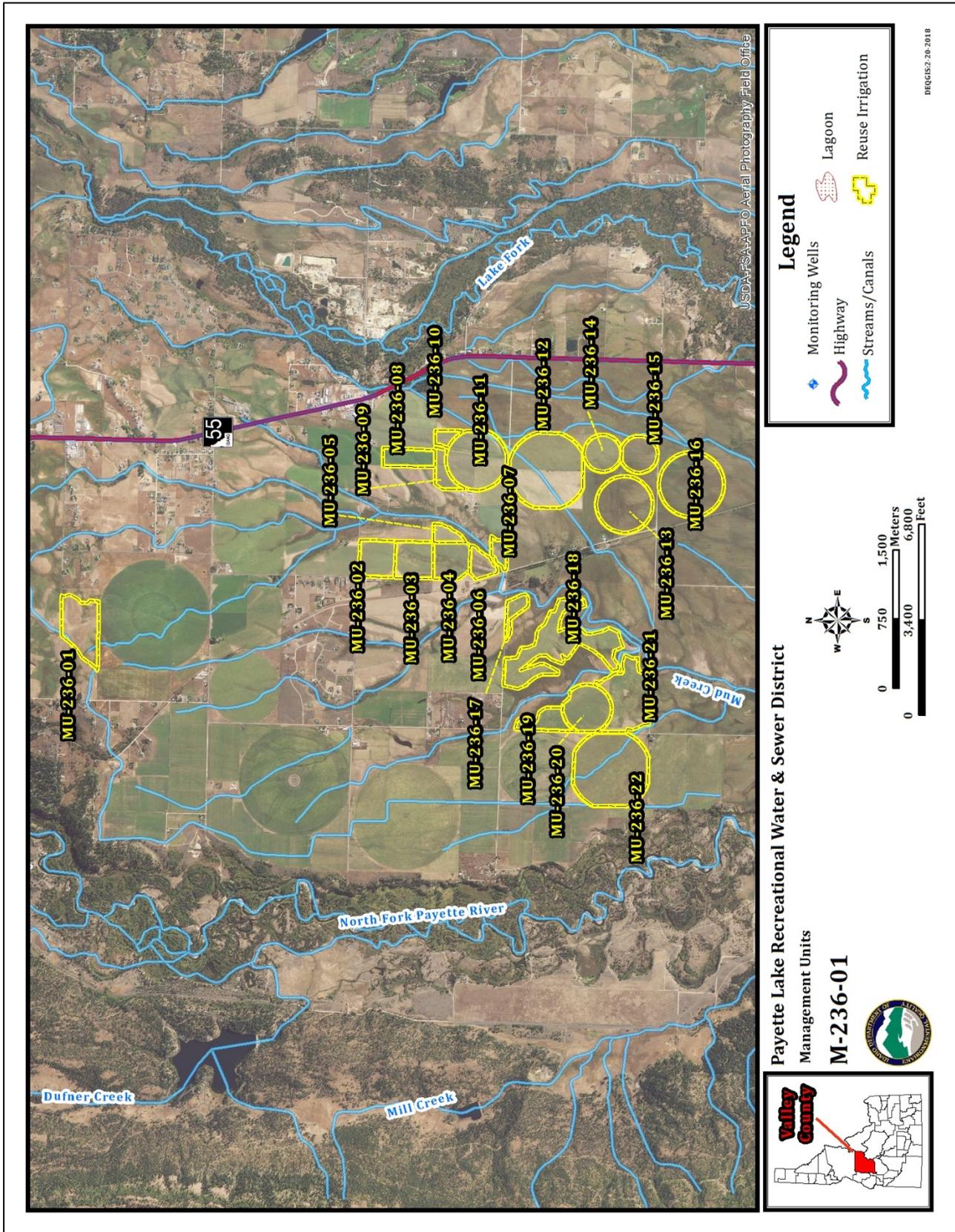
### 11.2.1 WWTF and Management Units Site Map



### 11.2.2 WWTF Facility Map



### 11.2.3 Management Units Site Map



### 11.3 Other Maps and Figures

#### 11.3.1 WWTF Process Flow Diagram (with facility and monitoring serial numbers)

