

# Idaho Department of Environmental Quality Reuse Permit I-049-04

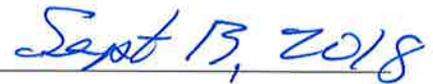
(Previous Permit No. LA-000049-03)

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The Amalgamated Sugar Company LLC, Twin Falls Facility (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 September 13, 2023.



Signature



Date

David Anderson

Regional Administrator  
Twin Falls Regional Office  
Idaho Department of Environmental Quality

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## 1. Common Acronyms/Abbreviations and Definitions

CA	compliance activity
CFR	Code of Federal Regulation
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
DTPA	diethylenetriamine penta-acetic acid
E <sub>i</sub>	irrigation efficiency
EPA	United States Environmental Protection Agency
GW	prefix for ground water reporting serial number
HDPE	high density polyethylene
IDAPA	numbering designation for all administrative rules in Idaho promulgated according to the Idaho Administrative Procedure 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
µmhos/cm	micromhos per centimeter
MG	million gallons
mg/kg	milligram per kilogram
mg/L	milligram per liter
MU	management unit, prefix for management unit reporting environmental serial number
MW	monitoring well
N	nitrogen
NPDES	National Pollutant Discharge Elimination System
NVDS	nonvolatile dissolved solids
P	phosphorus

P <sub>def</sub>	precipitation deficit
PO	plan of operation
ppm	parts per million
PWS	public water supply
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 noncompliance, 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
TASCO	The Amalgamated Sugar Company LLC
USGS	United States Geological Survey
WW	prefix for wastewater reporting serial number

## 2. Facility Information

Information Type	Information Specific to This Permit
Type(s) of recycled water	Industrial wastewater from sugar beet processing
Method of treatment and reuse	<ul style="list-style-type: none"> <li>- Direct reuse (condensate wastewater)</li> <li>- Clarification, cooling, settling, and aeration (process wastewater)</li> <li>- Lagoon storage and evaporation</li> <li>- Slow rate land treatment</li> </ul>
Facility location	2320 East Orchard Drive Twin Falls, Idaho 83301  Township 10 S, Range 17E, Sections 23, 25, 26, & 35 USGS Quadrangle: Twin Falls, Idaho
Facility mailing address	P.O. Box 127 Twin Falls, Idaho 83303
Facility responsible official and authorized representative	<p><b>Responsible Official:</b>                      Mr. Kent Quinney, Vice President of Operations                      (208) 383-6500                      kquinney@amalsugar.com</p> <p><b>Authorized Representative:</b>                      Mr. Jorge deVarona, Plant Manager                      (208) 733-4104                      jdevarona@amalsugar.com</p> <p>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.</p>
Ground water	<p><u>Depth:</u> 5 to 45 feet to seasonal high ground water, &gt;100 feet to the regional basalt aquifer</p> <p><u>Type of Aquifer:</u> Unconfined sedimentary interbeds and basalt fracture zones</p> <p><u>General flow direction:</u> South of Rock Creek – northwest                      North of Rock Creek – northwest to west</p> <p><u>Beneficial uses:</u> Industrial, Domestic, and Agricultural</p> <p><u>Nitrate Priority Area:</u> Twin Falls Nitrate Priority Area, Ranked #21 in 2014</p> <p><u>Closest Public Water System:</u> There are four active public water system (PWS) wells, which zones of contributions include the TASC0 reuse site, per DEQ’s Source Water Assessment and Protection Program: two TASC0 wells (ID5420001) and two City of Twin Falls – Hankins #1 and #2 wells (ID5420058).</p>

<p>Surface water</p>	<p><u>Rock Creek</u>: Flows ~160 feet northeast of the Rocky (MU-049-05) management unit and ~100 feet east of the Kimpton/Moore (MU-049-01) management unit.</p> <p>Beneficial Uses: Cold water aquatic life, salmonid spawning, and secondary contact recreation (IDAPA 58.01.02.150.14, Unit: US-13). Agricultural water supply, industrial water supply, wildlife habitats, and aesthetics (IDAPA 58.01.02.100.03, 04, and 05).</p> <p><u>Perrine Coulee</u>: Flows ~130 and ~200 feet northeast of the East (MU-049-07) and Lincoln (MU-049-06) management units, respectively.</p> <p>Beneficial Uses: Agricultural water supply, industrial water supply, wildlife habitats, and aesthetics (IDAPA 58.01.02.100.03, 04, and 05).</p>
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### 3. Compliance Schedule for Required Activities

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-049-01 September 13, 2019	<p><b>Updated Plan of Operation (PO):</b> The permittee shall submit for review and approval an updated PO that reflects current operations and incorporates the requirements of this permit. The PO shall comply with the applicable requirements stated in IDAPA 58.01.17.300.05 and shall address applicable items in the most current DEQ PO checklist. In addition to the items in these documents, the updated PO shall include a sanitary lagoon emergency operating plan.</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 and made available to DEQ upon request. The completed PO shall be incorporated by reference into this permit and shall be enforceable as part of this permit.</p>
CA-049-02 September 13, 2019	<p><b>Updated 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. Details on the number of measurements, number of samples, type of sample containers, preservation of samples, holding times, analytical methods, analytical detection of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements.</li> <li>2. Maps indicating the location of each monitoring and sampling point.</li> <li>3. Qualification and training personnel.</li> <li>4. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee.</li> <li>5. 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 <i>Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater</i>.</p> <p>The permittee shall amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP. The permittee shall notify DEQ of material changes to the QAPP, and copies shall be kept on site and made available to DEQ upon request.</p>

<b>Compliance Activity (CA) Number and Completion Due Date</b>	<b>Compliance Activity Description</b>
CA-049-03 As specified	<p><b>Rehabilitation and Management Plan for MU-049-05:</b> Submit to DEQ for review and approval, a rehabilitation and management plan before using MU-049-05 for the land application of process or condensate wastewater. The permittee shall also demonstrate soil nutrient concentration and salinity reductions to typical agronomic levels (as determined by DEQ) before applying process or condensate wastewater to MU-049-05.</p>
CA-049-04 March 13, 2019  Report due twelve (12) months after plan approval	<p><b>Determine Aquifer Properties:</b> The permittee shall submit to DEQ for review and approval, a plan for characterizing hydraulic conductivity and gradient for the following hydraulic management units: MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07. The plan shall specify methodology, timing of aquifer testing, and seasonal low and high water levels.</p> <p>An aquifer properties characterization report shall be submitted to DEQ for review and approval within twelve (12) months of the plan approval.</p>
CA-049-05 Plan due six (6) months after approval of CA-049-04	<p><b>Nonvolatile Dissolved Solids (NVDS) Loading Assessment:</b> The permittee shall submit to DEQ for review and approval, an NVDS loading assessment that includes the following:</p> <ol style="list-style-type: none"> <li>1. Projected NVDS loading rates, for the next ten (10) reporting years, for each management unit specified in section 4.1 that include NVDS contributions from wastewater and supplemental irrigation water.</li> <li>2. An assessment of ground water quality impacts resulting from both the future NVDS loading rates estimated in item 1 and the total NVDS loading rates that would occur if recycled water NVDS loading rates are maintained at the current NVDS loading limit specified in section 4.3 of this permit. The updated aquifer properties from CA-049-04 shall be used to complete this assessment.</li> </ol> <p>After review and approval of the plan, DEQ will evaluate if the current NVDS loading limit specified in section 4.3 of this permit sufficiently protects ground water quality for each management unit or if alternative NVDS loading limits are required to protect ground water quality.</p>
CA-049-06 March 13, 2019	<p><b>Supplemental Irrigation Water Measurement:</b> The permittee shall submit to DEQ a plan for measuring supplemental irrigation water. If flow meters are specified, plans and specifications shall be submitted to DEQ for review and approval. The method for supplemental irrigation measurement shall be sufficient to accurately measure the daily flow rate of supplemental irrigation to each of the management units used to grow agricultural crops: MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07.</p> <p>DEQ's plan approval shall provide a completion date for implementing the flow measurement method.</p>
CA-049-07 September 13, 2022	<p><b>Pre-application Conference:</b> If the permittee intends to continue operating the reuse facility beyond the expiration date of the permit, the permittee shall contact DEQ and schedule a pre-application conference to discuss the compliance status of the facility and the content required for the reuse permit application package.</p>

<b>Compliance Activity (CA) Number and Completion Due Date</b>	<b>Compliance Activity Description</b>
CA-049-08 March 17, 2023	<b>Renewal Permit Application:</b> 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-049-07.

## 4. Permit Limits and Conditions

### 4.1 Hydraulic Management Unit Descriptions

Serial Number	Description	Irrigation System Type and Irrigation Efficiency	Maximum Acres <sup>a</sup> Allowed
MU-049-01	Kimpton/Moore Acreage	Center Pivot: ( $E_i = 0.80$ ) Hand lines: ( $E_i = 0.75$ )	141.3
MU-049-04	Semba Acreage	Center Pivot: ( $E_i = 0.80$ ) Hand lines: ( $E_i = 0.75$ )	73.1
MU-049-05	Rocky Acreage	Center Pivot: ( $E_i = 0.80$ )	10
MU-049-06	Lincoln	Center Pivot: ( $E_i = 0.80$ ) Hand lines: ( $E_i = 0.75$ )	40
MU-049-07	East Farm	Center Pivot: ( $E_i = 0.80$ ) Hand lines: ( $E_i = 0.75$ )	75.1
Total acreage			339.5

- 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	Nongrowing Season Maximum Hydraulic Loading, inches/acre <sup>a</sup>
MU-049-01	Substantially at the IWR <sup>b</sup>	4.7
MU-049-04	Substantially at the IWR <sup>b</sup>	9.2
MU-049-05 <sup>c</sup>	To be determined	To be determined
MU-049-06	Substantially at the IWR <sup>b</sup>	10.1
MU-049-07	Substantially at the IWR <sup>b</sup>	10.1

- a. Record daily, as necessary, abnormal conditions as a result of nongrowing season application including ponding, excessive ice buildup, or runoff from the permitted site.  
 b. For compliance purposes, the source of  $P_{def}$  data used to calculate the IWR shall be specified in the PO.  
 c. Use of MU-049-05 for applying process wastewater or condensate wastewater and hydraulic loading rate limits are to be determined and are contingent upon DEQ review of CA-049-03.

### 4.3 Constituent Loading Limits

Serial Number	Constituent Loading (from all sources)			
	Nitrogen (lb/acre)	Salt (NVDS) (lb/acre)	COD growing season (lb/acre-day) <sup>a</sup>	COD nongrowing season (lb/acre-day) <sup>a</sup>
MU-049-01 MU-049-04 MU-049-05 <sup>b</sup> MU-049-06 MU-049-07	150% of typical crop uptake <sup>c</sup>	3,065 <sup>d</sup>	50	25

- a. COD limits are expressed in pounds per acre per day (lb/acre-day) based on a seasonal average.
- b. Use of MU-049-05 for applying process wastewater or condensate wastewater and constituent loading rate limits are to be determined and are contingent upon DEQ review of CA-049-03.
- c. Typical crop uptake is the median constituent crop uptake from the three most recent years the crop has been grown. For crops having less than three years of on-site crop uptake data, other crop yield data or nutrient content values may only be used if approved in writing by DEQ in advance of use.
- d. Loading limit is for wastewater (process and condensate) only, but is subject to change upon DEQ's review and approval of CA-049-05.

### 4.4 Management Unit Buffer Zones

At a minimum, all buffer zones must comply with local zoning ordinances. Existing buffer zones shall be maintained and assessed, pending approval of the updated PO (CA-049-01) required in section 3.

## 4.5 Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing season	April 1 through October 31 (214 days)
Nongrowing season	November 1 through March 31 (151 days)
Reporting year for annual loading rates	November 1 through October 31
Crop or vegetation allowed	Crops grown for direct human consumption (those crops that are not processed before consumption) are not allowed.
Grazing	Before grazing, the permittee shall submit a grazing management plan and receive written approval from DEQ.
Fencing and posting	None required
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 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 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

### 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-049-01 Sampling port at pump YP87-N2	Process wastewater to MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07	One 24-hour composite sample: Monthly during application periods.	pH (S.U.) Total Kjeldahl nitrogen Nitrite+nitrate-nitrogen Ammonia-nitrogen Chemical oxygen demand Chloride Total phosphorus Total dissolved solids Volatile dissolved solids Nonvolatile dissolved solids (calculated)
WW-049-04 East condensate pond sample tap after pump XP7-K1, and north condensate pond sample tap after pump XP7-M1	Condensate wastewater to MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07	One 24-hour composite sample: Monthly during application periods.	pH (S.U.) Total Kjeldahl nitrogen Nitrite+nitrate-nitrogen Ammonia-nitrogen Chemical oxygen demand Chloride Total phosphorus Total dissolved solids Volatile dissolved solids Nonvolatile dissolved solids (calculated)
SW-049-01 <sup>a</sup> (Canal 4903) SW-049-02 <sup>a</sup> (Canal 4904)	Supplemental irrigation water to MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07	Grab sample: April and October of the first (2019) and fourth (2022) year of the permit.	Total Kjeldahl nitrogen Nitrite+nitrate-nitrogen Chemical oxygen demand Chloride Total phosphorus Total dissolved solids Volatile dissolved solids Nonvolatile dissolved solids (calculated)
LG-049-04 LG-049-05	Wastewater from the north and south ash ponds	Grab sample: April and October in the first (2019) and fourth (2022) year of the permit.	Total chromium

<b>Monitoring Point Serial Number and Location</b>	<b>Sample Description</b>	<b>Sample Type and Frequency</b>	<b>Constituents (Units in mg/L Unless Otherwise Specified)</b>
WW-049-01 Sampling port at pump YP87-N2	Process wastewater to MU-049-01, MU-049-04, MU-049-05, MU-049-06, and MU-049-07	One 24-hour composite sample: April and October during the first (2019) and fourth (2022) year of the permit.	Total chromium

- a. If not available, supplemental irrigation water samples shall be collected in May and September.

### 5.1.2 Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Sample Description	Sample Type and Frequency	Measured Parameters, each MU
MU-049-06 MU-049-07 Flow meter located at east side of LG-049-03	Process wastewater to each specified MU.	Daily meter reading(s), Monthly data compilation.	Volume (MG/month) Application depth (inches/month)
MU-049-01 MU-049-04 MU-049-05 Flow meter located at west side of LG-049-06	Process wastewater to each specified MU.	Daily meter reading(s), Monthly data compilation.	Volume (MG/month) Application depth (inches/month)
MU-049-01 MU-049-04 MU-049-05 MU-049-06 MU-049-07 Flow meter at northwest side of LG-049-11	Combined condensate wastewater from LG-049-11 and LG-049-12 to each specified MU.	Daily meter reading(s), Monthly data compilation.	Volume (MG/month) Application depth (inches/month)
MU-049-01 MU-049-04 MU-049-05 MU-049-06 MU-049-07	Supplemental irrigation water from Canal 4903 Lateral 32, Gate 8 and Canal 4904 Lateral 7, Gate 15 1/2 to each specified MU.	Daily logging based on direct measurement or calculations performed using the specifications of irrigation equipment until completion of CA-049-06.  After completing CA-049-06, daily meter reading(s) as needed to calculate volume to each MU and monthly data compilation.	Volume (MG/month) Application depth (inches/month)

## 5.2 Ground Water Monitoring

### 5.2.1 Ground Water Monitoring Point Descriptions

Monitoring Point Serial Number	Common Designation	Well Type	Gradient Location
GW-049-01	MW-1	Monitoring Well	Upgradient of MU-049-06, downgradient of east condensate pond
GW-049-03	MW-3	Monitoring Well	Adjacent to east condensate pond
GW-049-04	MW-4	Monitoring Well	Upgradient of MU-049-06, downgradient of MU-049-07
GW-049-05	MW-5	Monitoring Well	Downgradient of south half of MU-049-07
GW-049-06	MW-6	Monitoring Well	Upgradient of MU-049-07
GW-049-07	MW-7	Monitoring Well	Downgradient of MU-049-07
GW-049-08	MW-8	Monitoring Well	Upgradient of MU-049-07
GW-049-10	MW-10	Monitoring Well	Upgradient of north half of MU-049-07
GW-049-13	MW-A	Monitoring Well	Downgradient of west MU-049-01 and downgradient of MU-049-04
GW-049-14	MW-14	Monitoring Well	Northwest of wastewater treatment and storage grounds
GW-049-15	MW-B	Monitoring Well	Upgradient of east MU-049-01
GW-049-16	MW-C	Monitoring Well	Upgradient of central MU-049-01
GW-049-18	MW-18	Monitoring Well	Downgradient/side-gradient of processing facility
GW-049-19	MW-E	Monitoring Well	Downgradient of MU-049-01
GW-049-20	MW-20	Monitoring Well	North of LG-049-03
GW-049-21	MW-21	Monitoring Well	Downgradient/side-gradient of processing facility
GW-049-22	MW-F	Monitoring Well	Downgradient of MU-049-01
GW-049-23	MW-G	Monitoring Well	Upgradient of MU-049-01
GW-049-24	MW-H	Monitoring Well	Upgradient of west MU-049-01, downgradient of MU-049-04
GW-049-29	East Spring	Spring	Downgradient of MU-049-05 and MU-049-01

GW-049-34	MW-I	Monitoring Well	Upgradient of MU-049-04 and MU-049-01
GW-049-35	North Spring	Spring	Downgradient of the processing facility
GW-049-37	MW-37	Monitoring Well	Downgradient of MU-049-06
GW-049-38	MW-38	Monitoring Well	North of LG-049-03, adjacent to MW-20

### 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)
All ground water monitoring points in section 5.2.1	Monitoring wells and springs	Unfiltered grab sample/twice annually: April and October	Ground water elevation (feet) Depth to water (feet) pH (S.U.) Temperature (°C) Electrical conductivity (µmhos/cm) Nitrate-nitrogen <sup>a</sup> Dissolved orthophosphate, as P Total dissolved solids Chloride Dissolved iron Dissolved manganese
All ground water monitoring points in section 5.2.1	Monitoring wells and springs	Unfiltered grab sample: April and October in the first (2019) and fourth (2022) year of the permit	Total chromium <sup>a</sup>

- a. Within 30 days of receiving a ground water monitoring result greater than or equal to 10 mg/L nitrate-nitrogen or 0.1 mg/L total chromium from any of the monitoring points in section 5.2.1, the facility shall do the following:
1. Identify active domestic wells within 0.25 mile of the exceeding monitoring well with a capture zone that potentially intersects any area under the direct control of the facility.
  2. Contingent upon the well owner's approval, wells identified in Item 1 shall be sampled and analyzed for nitrate-nitrogen or total chromium, as applicable.
  3. If nitrate-nitrogen or total chromium levels in domestic wells sampled indicate significant degradation as determined by DEQ, and if causality is suspected to be facility activities as determined by DEQ, DEQ may require the facility to conduct a ground water investigation to determine cause and propose remedial action if indicated.

## 5.3 Soil Monitoring

### 5.3.1 Soil Monitoring Unit Descriptions

Monitoring Point Serial Number	Description	Associated Hydraulic Management Unit
SU-049-01	Kimpton	MU-049-01
SU-049-02	Rocky	MU-049-05
SU-049-03	Moore	MU-049-01
SU-049-05	Semba	MU-049-04
SU-049-06	Lincoln	MU-049-06
SU-049-07	East	MU-049-07

### 5.3.2 Soil Monitoring, Sampling, and Analyses

Monitoring Point Serial Number	Sample Type	Sample Frequency	Constituents (Units in mg/kg Soil Unless Otherwise Specified)
SU-049-01 SU-049-03 SU-049-05 SU-049-06 SU-049-07	Composite samples <sup>a</sup>	Annually, March	pH (S.U.) Electrical conductivity (µmhos/cm) Nitrate-nitrogen Ammonium-nitrogen Plant-available phosphorus
SU-049-02	Composite samples <sup>a</sup>	Annually, March	pH (S.U.) Electrical conductivity (µmhos/cm) Nitrate-nitrogen Ammonium-nitrogen Plant-available phosphorus Iron (DTPA extractable) Manganese (DTPA extractable)

- 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 <sup>a</sup>
MU-049-01 MU-049-04 MU-049-05 MU-049-06 MU-049-07	Harvested portion, each crop, each MU	Each harvest	Crop type Harvest date Sample collection date Harvested acreage (acres) As-harvested (wet) yield in customary harvested units (tons, bushels, or cwt) As-harvested (field) moisture content (%) <sup>b</sup> 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 <sup>a</sup>
MU-049-01 MU-049-04 MU-049-05 MU-049-06 MU-049-07	Harvested portion, each crop, each MU	Each harvest	Lab moisture content (%) <sup>b</sup> Total combustible nitrogen (% and ppm) Phosphorus as P (ppm) Ash (%)

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

b. The plant tissue sample shall be taken from the harvested portion of each crop at the time the crop is harvested or just prior to harvesting.

## 5.5 Other Monitoring

Monitoring Point Serial Number	Sampling Point Description	Sample Type and Frequency	Constituents (Units in mg/L Unless Otherwise Specified)
All ground water monitoring points in section 5.2.1, all lagoons in section 5.6, and SW-049-01 <sup>a</sup> (Canal 4903) and SW-049-02 <sup>a</sup> (Canal 4904)	Ground water, lagoon wastewater, and supplemental irrigation water	Unfiltered grab sample, April and October during the first (2019) and fourth (2022) year of the permit	Sodium Potassium Calcium Magnesium Sulfate Chloride Carbonate Bicarbonate

a. If not available, supplemental irrigation water samples shall be collected in May and September.

## 5.6 Lagoon Information

Serial number	Description	Surface Area, acres	Maximum Operating Volume, MG	Liner Type
LG-049-01	Sanitary lagoon	1.1	2.1	Bentonite
LG-049-02	3-acre pond/surge pond	1.5	2.3	Unlined, compacted earthen
LG-049-03	7-acre pond/aeration basin	4.5	7.4	Unlined, compacted earthen
LG-049-04	North ash pond	0.7	1.4	Bentonite
LG-049-05	South ash pond	0.6	1.3	Bentonite
LG-049-06	Northwest spray pond	0.9	1.8	Concrete
LG-049-07	Northeast spray pond	0.8	1.6	Concrete
LG-049-08	Southwest spray pond	1.5	2.9	Concrete
LG-049-09	Southeast spray pond	0.9	1.8	Unlined, compacted earthen
LG-049-10	Mud ponds	6.5	10	Unlined, compacted earthen
LG-049-11	East condensate pond	12	45	HDPE
LG-049-12	North condensate pond	15	83	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 **February 28** 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 4.5.
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. 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. Submittal of the calculations and observations for hydraulic management units specified in the table below.
8. Laboratory analytical reports 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.
9. The parameters in the following table:

Monitoring Point Serial Number	Parameter (Calculate for each MU)	Units
MU-049-01 MU-049-04 MU-049-05	Process wastewater, condensate wastewater, and supplemental irrigation water hydraulic loading rates (separate and combined)	Million gallons/month Inches/acre-month
MU-049-06 MU-049-07	Nitrogen and phosphorus loading rates from process wastewater, condensate wastewater, supplemental irrigation water, and fertilizer (separate and combined)	Pounds/acre-year
	Nonvolatile dissolved solids loading rates from process wastewater, condensate wastewater, and supplemental irrigation water (separate and combined)	Pounds/acre-year
	Chemical oxygen demand loading rates from process wastewater, condensate wastewater, and supplemental irrigation water (separate and combined)	Pounds/acre-day
	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-yr) Total 'dry' yield (lb/yr, lb/acre-yr)
	Crop uptake of nitrogen, phosphorus, and ash (dry-basis) Report each harvest and the annual totals for each MU.	Pounds/acre-year

### 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 follows:
  - 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  
Twin Falls Regional Office  
650 Addison Avenue West, Suite 110  
Twin Falls, Idaho 83301

The annual report, or any other data or monitoring information submitted to DEQ, 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 I-049-04, 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."*

## **6.2 Emergency and Noncompliance Reporting**

Report noncompliance incidents to DEQ's regional office at (208) 736-2190 or toll-free at (800) 270-1663.

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

Section 8 of this permit and IDAPA 58.01.17.500.06 provide the reporting requirements for facilities.

All instances of (1) permit noncompliance which may endanger public health or the environment and (2) unauthorized discharges to surface waters of the State of Idaho shall be reported to DEQ's regional office by telephone within 24 hours from the time the permittee becomes aware of these events at the phone numbers provided in this section.

A written follow-up shall be provided to the DEQ regional office within 5 days from the time the permittee became aware of the permit noncompliance or unauthorized discharge.

Reporting of unauthorized discharges to surface waters of the United States to the United States Environmental Protection Agency (EPA) may also be required. Contact information for EPA is provided below:

**EPA Contact Information:**

NPDES/Stormwater Coordinator, USEPA Idaho Operations Office

950 W. Bannock, Suite 900

Boise, ID 83702

(208) 378-5746 / (208) 378-5744 and EPA Hot Line (206) 553-1846

## 7. Permit for Use of Industrial Recycled Water

The following are permit requirements for industrial recycled water and are included as terms of this permit as required by the “Recycled Water Rules,” (IDAPA 58.01.17.616).

### 616. PERMIT FOR USE OF INDUSTRIAL RECYCLED WATER.

Industrial recycled water shall only be used in accordance with a permit issued pursuant to these rules. Permit conditions and limitations shall be developed by the Department on a case-by-case basis taking into account the specific characteristics of the wastewater to be recycled, the treatment necessary to ensure the use of such recycled water is in compliance with IDAPA 58.01.11, “Ground Water Quality Rule” and IDAPA 58.01.02, “Water Quality Standards.” Unless otherwise indicated in this section, the permit application, processing and issuance procedures provided in this rule shall apply to industrial reuse permits. (4-7-11)

## 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:
  - 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 National Pollutant Discharge Elimination System (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 EPA (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 before 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 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 wastewater 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 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 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 de minimis potential to generate leachate under expected conditions of disposal, which includes resistance to biological attack.

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

### **9.1.5 Temporary Cessation of Operations and Closure (IDAPA 58.01.17.801)**

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

**01. Temporary Cessation.** A permittee shall implement any applicable conditions specified in the permit for temporary cessation of operations. When the permit does not specify applicable temporary cessation conditions, the permittee shall notify the Director prior to a temporary cessation of operations at the facility greater than sixty (60) days in duration and any cessation not for regular maintenance or repair. Cessation of operations necessary for regular maintenance or repair of a duration of sixty (60) days or less are not required to notify the Department under this section. All notifications required under this section shall include a proposed temporary cessation plan that will ensure the cessation of operations will not pose a threat to human health or the environment. (4-7-11)

**02. Closure.** A closure plan shall be required when a facility is closed voluntarily and when a permit is revoked or expires. A permittee shall implement any applicable conditions specified in the permit for closure of the facility. Unless otherwise directed by the terms of the permit or by the Director, the permittee shall submit a closure plan to the Director for approval at least ninety (90) days prior to ceasing operations. The closure plan shall ensure that the closed facility will not pose a threat to human health and the environment. Closure plan approval may be conditioned upon a permittee's agreement to complete such site investigations, monitoring, and any necessary remediation activities that may be required. (4-7-11)

### **9.1.6 Plan of Operation (IDAPA 58.01.17.300.05)**

The PO must comply with the following:

**05. Reuse Facility Operation and Maintenance Manual or Plan of Operations.** A facility's operation and maintenance manual must contain all system components relating to the reuse facility in order to comply with IDAPA 58.01.16 "Wastewater Rules," Section 425. Manuals and manual amendments are subject to the review and approval provision therein. In addition to the content required by IDAPA 58.01.16.425, manuals for reuse facilities shall include, if applicable: operation and management responsibility, permits and standards, general plant description, operation and control of unit operations, land application site maps, wastewater characterization, cropping plan, hydraulic loading rate, constituent loading rates, compliance activities, seepage rate testing, site management plans, monitoring, site operations and maintenance, solids handling and processing, laboratory testing, general maintenance, records and reports, store room and inventory, personnel, an emergency operating plan, and any other information required by the Department. (4-7-11)

### **9.1.7 Seepage Testing Requirements (IDAPA 58.01.16.493.02.c)**

**Subsequent Tests.** All lagoons covered under these rules must be seepage tested by an Idaho licensed professional engineer, an Idaho licensed professional geologist, or by individuals under their supervision every ten (10) years after the initial testing. (5-8-09)

### **9.1.8 Ground Water Quality Rule (IDAPA 58.01.11)**

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

## 9.2 Administrative

Requirements for administration of the permit are defined as follows.

### 9.2.1 Permit Modification (IDAPA 58.01.17.700)

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

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

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

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

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

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

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

### 9.2.2 Permit Transferable (IDAPA 58.01.17.800)

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

### 9.2.3 Permit Revocation (IDAPA 58.01.17.920)

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

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

**03. Emergency Action.** If the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, the Director shall provide the permittee a revocation hearing and prior notice

thereof. Such hearings shall be conducted in accordance with IDAPA 58.01.23, “Rules of Administrative Procedure Before the Board of Environmental Quality.” (3-15-02)

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

#### **9.2.4 Violations (IDAPA 58.01.17.930)**

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

#### **9.2.5 Severability**

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

## **10. Other Applicable Laws**

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

### **10.1 Owner Responsibilities for Well Use and Maintenance**

#### **10.1.1 Well Use**

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

#### **10.1.2 Well Maintenance**

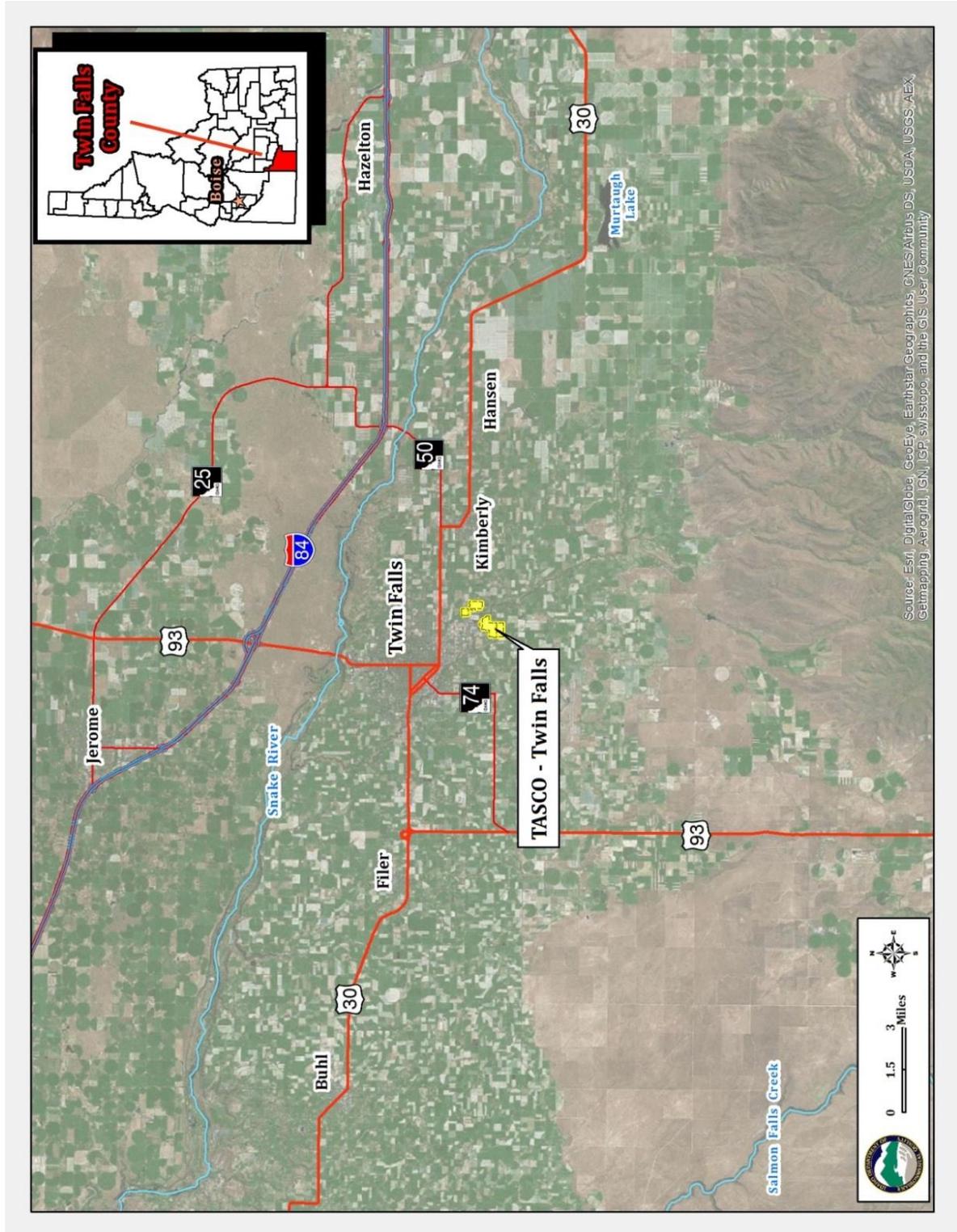
The well owner must maintain the well to prevent waste or contamination of ground waters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant well must have the well repaired by a licensed well driller under a permit issued by the IDWR director 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**

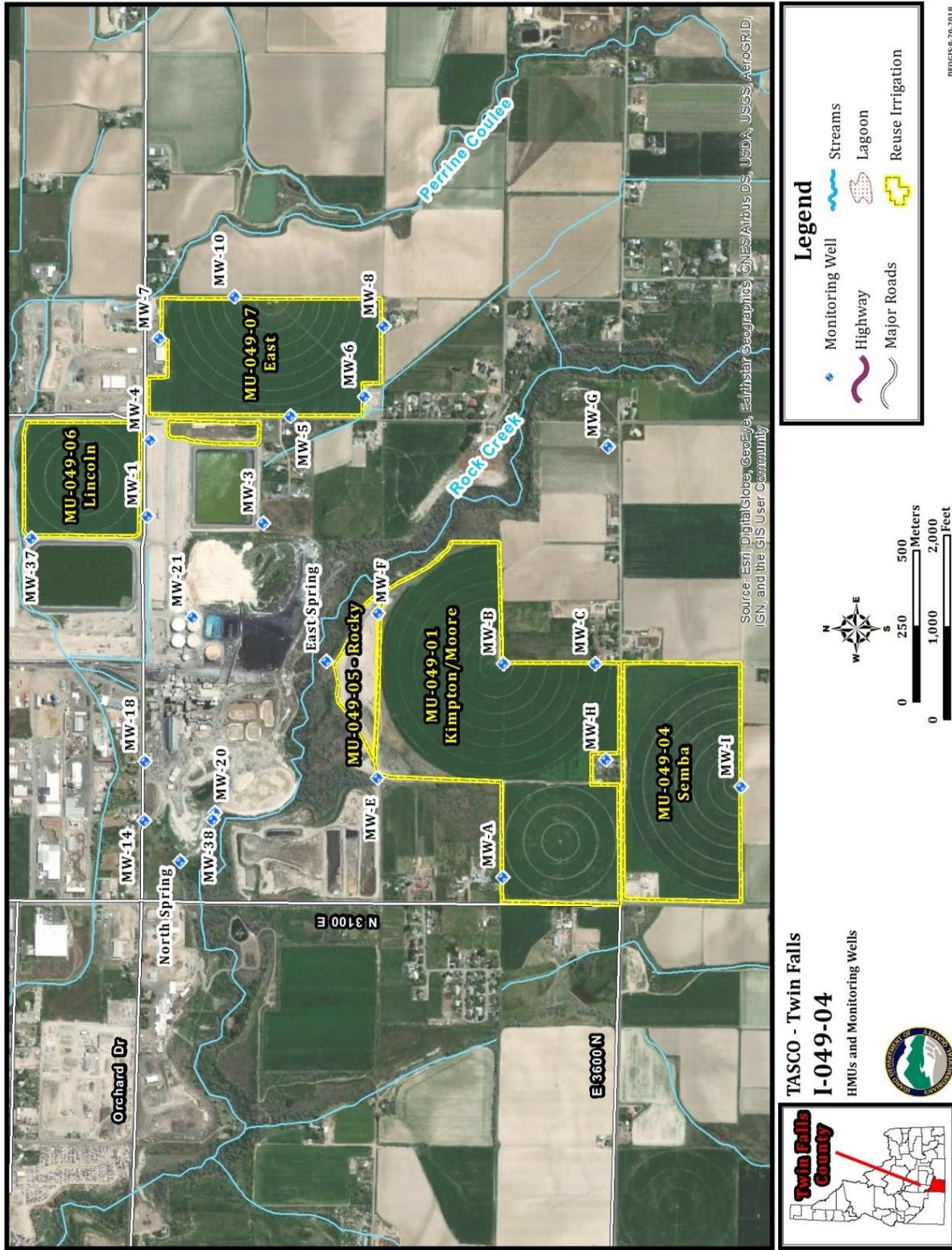
The well owner must have any well shown to pose a threat to human health and safety or cause contamination of the ground water resource immediately repaired or decommissioned (abandoned) by a licensed well driller under a permit issued by the IDWR director in accordance with the applicable rules. See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

# 11. Site Maps

## 11.1 Regional Map



## 11.2 Facility Map



### 11.3 Facility Lagoon Map

