Walters Produce Incorporated of Newdale, Idaho (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 2, 2025.

Signature

Date

Erick Neher
Regional Administrator
Idaho Falls Regional Office
Idaho Department of Environmental Quality

Idaho Department of Environmental Quality
Idaho Falls Regional Office
900 N. Skyfall Drive, Suite B
Idaho Falls, Idaho 83402
(208) 528-2650
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1. Common Acronyms/Abbreviations and Definitions

CA

compliance activity

crop uptake

those constituents assimilated by the crop from the soil, and those from
applied fertilizer, biosolids and other soil amendments, recycled water,
irrigation water, and other sources. Crop uptake excludes those constituents
assimilated from the atmosphere, such as gaseous nitrogen fixed by
legumes. Crop uptake plus atmospheric assimilated constituents equals
crop content.

cwt

a unit of weight measurement equal to 100 pounds

DEQ

Idaho Department of Environmental Quality

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

Numbering designation for all administrative rules in Idaho promulgated
according to the Idaho Administrative Procedure Act

IDWR

Idaho Department of Water Resources

IPDES

Idaho Pollutant Discharge Elimination System

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

mL

milliliter

MU

management unit, prefix for management unit reporting environmental
serial number

NPDES

National Pollutant Discharge Elimination System
N  nitrogen
ppm  parts per million
P  phosphorus
PO  plan of operation
QAPP  quality assurance project plan
responsible official  facility contact person authorized by the permittee to communicate with DEQ on behalf of the permittee on any matter related to the permit, including without limitation, the authority to communicate with and receive notices from DEQ regarding notices of violation or non-compliance, permit violations, permit enforcement, and permit revocation. The responsible official provides written certification of permit application materials, annual report submittals, and other information submitted to DEQ as required by the permit. Any notice to or communication with the responsible official is considered a notice to or communication with the permittee. The responsible official may designate an authorized representative to act as the facility contact person for any of the activities or duties related to the permit, except signing and certifying the permit application, which must be done by the responsible official. The authorized representative shall act as the responsible official and shall bind the permittee as described in this definition. Designation of the authorized representative shall follow the requirements specified in section 6.1.3 of the permit.
SU  prefix for soil monitoring unit reporting serial number
SW  prefix for supplemental irrigation water reporting serial number
WW  prefix for wastewater reporting serial number
yr  year
## 2. Facility Information

<table>
<thead>
<tr>
<th>Information Type</th>
<th>Information Specific to This Permit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of recycled water</td>
<td>Potato fresh pack potato wash water</td>
</tr>
<tr>
<td>Method of treatment and reuse</td>
<td>Potato wash water is first treated in settling ponds to reduce suspended solids content, then slow rate land applied during the growing season to 12 acres and during the non-growing season to 37 acres. The 37 acre management unit can also be utilized in the growing season.</td>
</tr>
<tr>
<td>Facility location</td>
<td>2373 East Highway 33</td>
</tr>
<tr>
<td></td>
<td>Newdale, Idaho 83436</td>
</tr>
<tr>
<td></td>
<td>Phone: (208) 458-4105/Fax: (208) 458-4106</td>
</tr>
<tr>
<td></td>
<td>The facility is located on the west side of Newdale, bordered by Highway 33 to the south, a trunk line of the Eastern Idaho Railroad to the east, and farmland to the north and west.</td>
</tr>
<tr>
<td>Facility mailing address</td>
<td>P.O. Box 177</td>
</tr>
<tr>
<td></td>
<td>Newdale, Idaho 83436</td>
</tr>
<tr>
<td>Facility responsible official and</td>
<td>Responsible Official: Mr. Jeffery Walters, President</td>
</tr>
<tr>
<td>authorized representative</td>
<td>Authorized Representative: None</td>
</tr>
<tr>
<td></td>
<td>Notify DEQ within 30 days if a change in personnel occurs for any of the facility contacts. DEQ will issue a minor permit modification to confirm the change.</td>
</tr>
<tr>
<td>Ground water</td>
<td>The first encountered ground water is the unconfined Snake River Plain Aquifer, which flows in a northeast to southwest direction. Static water levels in proximate wells at the time of drilling vary ranging from 171 ft bgs to 230 ft bgs.</td>
</tr>
<tr>
<td></td>
<td>One public water supply well, owned and operated by the City of Newdale (currently inactive), is located 1,500 feet west of the land application area.</td>
</tr>
<tr>
<td>Surface water</td>
<td>The Teton River is located approximately 1.5 miles north of the site. Beneficial uses for this section of the river are: cold water biota, salmonid spawning, primary contact recreation, and domestic water supplies.</td>
</tr>
<tr>
<td></td>
<td>The Enterprise Canal is approximately 800 feet east of the site. The canal provides irrigation water to several thousand acres of agriculture.</td>
</tr>
</tbody>
</table>
## 3. Compliance Schedule for Required Activities

<table>
<thead>
<tr>
<th>Compliance Activity (CA) Number and Completion Due Date</th>
<th>Compliance Activity Description</th>
</tr>
</thead>
</table>
| CA-239-01 Within six months of permit issuance         | Updated Plan of Operation (PO): The permittee shall submit to DEQ 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 Plan of Operations Checklist available. The PO shall include the following site management plans or the permittee may submit the site management plans individually:  
1. Buffer zone plan  
2. Cropping plan  
3. Emergency operating plan  
4. Nuisance and odor management plan  
5. Runoff management plan  
6. Well location acceptability analysis  
7. Waste solids management plan  
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. |
<table>
<thead>
<tr>
<th>Compliance Activity (CA) Number and Completion Due Date</th>
<th>Compliance Activity Description</th>
</tr>
</thead>
</table>
| CA-239-02 Within six months of permit issuance         | **Updated Quality Assurance Project Plan (QAPP):** The permittee shall prepare and implement an updated QAPP that incorporates all monitoring and reporting required by this permit. A copy of the QAPP along with written notice that the permittee has implemented the QAPP shall be provided to DEQ. The Permittee must follow the QAPP when collecting, analyzing, and reporting monitoring data submitted to DEQ. The QAPP shall be designed to assist in planning for collecting, analyzing, and reporting all monitoring in support of this permit and in explaining data anomalies when they occur. At a minimum, the QAPP must include the following:  
1. Details on the number of measurements, number of samples, type of sample containers, preservation of samples, holding times, analytical methods, analytical detection and quantitation limits for each target compound, type and number of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements  
2. Maps indicating the location of each monitoring and sampling point  
3. Qualification and training of personnel  
4. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee  
5. Example formats and tables that will be used by the permittee to summarize and present all data in the annual report  
The format and content of the QAPP should adhere to the recommendations and references in the Quality Assurance and Data Processing sections of the reuse guidance. The permittee 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. |
<table>
<thead>
<tr>
<th>Compliance Activity (CA) Number and Completion Due Date</th>
<th>Compliance Activity Description</th>
</tr>
</thead>
</table>
| CA-239-03  
As specified | **Crop Management Plan:** The facility shall submit to DEQ a crop management plan annually in March for review. The plan shall identify the following:  
1. Crop to be grown on each management unit,  
2. Calculate the IWR for each crop on each management unit and project hydraulic loading rates for each management unit for the growing season,  
3. Calculate nitrogen and phosphorus loading to each management unit during the non-growing season,  
4. Project nitrogen and phosphorus loading rates from recycled water and supplemental irrigation water to each management unit during the growing season. The nitrogen and phosphorus loading rates will be determined using the median nitrogen and phosphorus constituent value during the growing season from the three previous years for the respective source water,  
5. Calculate total nitrogen and phosphorus loading from actual non-growing season loading rates (#3) and projected nitrogen and phosphorus loading rates (#4)  
6. Calculate the permitted nitrogen loading rate as described in Section 4.3 of the permit. For management units that do not have three years of crop data, the following nitrogen uptake rates are to be used for the missing years:  
   - Alfalfa: 239 lb/acre  
   - Barley: 100 lb/acre  
   - Potatoes: 181 lb/acre  
   - Wheat: 132 lb/acre  
7. Calculate nitrogen loading available for fertilizer application (#6 minus #5) and soil monitoring results, and report anticipated nitrogen and phosphorus fertilizer loading rates. |
| CA-239-04  
As specified | **Waste Solids Land Application:** A waste solids management plan and runoff management plan shall be submitted to DEQ for review and approval before any waste solids are land applied to permitted management units or other fields owned by the permittee. The waste solids management plan shall include the Elements of Plans and Proposals described in the Wastewater Rules IDAPA 58.01.16.650.03. |
| CA-239-05  
One year prior to permit expiration date. | **Pre-application Conference:** If the permittee intends to continue operating the reuse facility beyond the expiration date of this permit, the permittee shall contact DEQ and schedule a pre-application conference to discuss the compliance status of the facility and the content required for the reuse permit application package. |
| CA-239-06  
Six months prior to permit expiration date. | **Permit Renewal Application:** The permittee shall submit to DEQ a complete permit renewal application package that fulfills the requirements specified in CA-239-05 and identified at the pre-application conference. |
4. Permit Limits and Conditions

4.1 Management Unit Descriptions

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Description</th>
<th>Irrigation System Type and Irrigation Efficiency (Eᵢ)</th>
<th>Maximum Acres&lt;sup&gt;a&lt;/sup&gt; Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>North growing season (GS) acreage</td>
<td>Hand lines (Eᵢ = 0.80)</td>
<td>6.0</td>
</tr>
<tr>
<td>MU-239-02</td>
<td>Center pivot GS and non-growing season (NGS) acreage</td>
<td>Center Pivot (Eᵢ = 0.85)</td>
<td>37.0</td>
</tr>
<tr>
<td>MU-239-03</td>
<td>South GS acreage</td>
<td>Hand lines (Eᵢ = 0.80)</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td><strong>Total acreage</strong></td>
<td></td>
<td><strong>49.0 GS/37.0 NGS</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Growing Season Hydraulic Loading</th>
<th>Nongrowing Season Maximum Hydraulic Loading (inches)&lt;sup&gt;a&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>Substantially at the IWR&lt;sup&gt;b&lt;/sup&gt;</td>
<td>Not allowed</td>
</tr>
<tr>
<td>MU-239-02</td>
<td>Substantially at the IWR&lt;sup&gt;b&lt;/sup&gt;</td>
<td>8.6 inches</td>
</tr>
<tr>
<td>MU-239-03</td>
<td>Substantially at the IWR&lt;sup&gt;b&lt;/sup&gt;</td>
<td>Not allowed</td>
</tr>
</tbody>
</table>

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 method for calculating the IWR shall be specified in the PO.

4.3 Constituent Loading Limits

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Constituent Loading from All Sources</th>
<th>COD Growing Season (lb/(acre-day))&lt;sup&gt;a&lt;/sup&gt;</th>
<th>COD Nongrowing Season (lb/(acre-day))&lt;sup&gt;a&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nitrogen (lb/acre)</td>
<td>Non-volatile dissolved solids (lb/acre)</td>
<td></td>
</tr>
<tr>
<td>MU-239-01</td>
<td>150% of typical crop uptake&lt;sup&gt;b&lt;/sup&gt;</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MU-239-02</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MU-239-03</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

a. COD limit is expressed in pounds per acre per day (lb/(acre·day)) based on a seasonal average.
b. Typical crop uptake is the median constituent crop uptake from the three most recent years the crop has been grown. For crops having fewer than three years of on-site crop uptake data, other crop yield data or nutrient content values may only be used if DEQ provides written approval before use.
4.4 Management Unit Buffer Zones

<table>
<thead>
<tr>
<th>Serial Number</th>
<th>Public Water Supplies</th>
<th>Private Water Supplies</th>
<th>Inhabited Dwellings</th>
<th>Permanent and Intermittent Surface Water</th>
<th>Irrigation Ditches and Canals</th>
<th>Areas Accessible to the Public</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>1,000</td>
<td>500</td>
<td>300</td>
<td>100</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>MU-239-02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MU-239-03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.5 Other Permit Limits and Conditions

<table>
<thead>
<tr>
<th>Category</th>
<th>Permit Limits and Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growing season</td>
<td>April 1 through October 31 (214 days)</td>
</tr>
<tr>
<td>Nongrowing season</td>
<td>November 1 through March 31 (151 days)</td>
</tr>
<tr>
<td>Reporting year for annual loading rates</td>
<td>November 1 through October 31</td>
</tr>
<tr>
<td>Crop or vegetation allowed</td>
<td>Crops allowed are alfalfa, grains, and potatoes. Other crops must be approved by the DEQ prior to planting.</td>
</tr>
<tr>
<td>Grazing</td>
<td>Grazing is not allowed.</td>
</tr>
<tr>
<td>Posting</td>
<td>Posting not required.</td>
</tr>
<tr>
<td>Fencing</td>
<td>Fencing is not required.</td>
</tr>
<tr>
<td>Construction plans</td>
<td>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 before 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.</td>
</tr>
<tr>
<td>Records retention requirements</td>
<td>Keep records generated to meet the requirements of this permit for the duration of the permit, including administrative extensions, plus two years.</td>
</tr>
<tr>
<td>Backflow prevention and testing requirements</td>
<td>Backflow prevention is required to protect surface water and ground water from an unauthorized discharge or recycled water or wastewater. Refer to section 9.1.1 of this permit.</td>
</tr>
<tr>
<td>Flow meter calibration</td>
<td>All flow meters shall be calibrated according to the manufactures recommendations.</td>
</tr>
</tbody>
</table>
5. Monitoring Requirements

5.1 Recycled Water and Supplemental Irrigation Water Sampling and Analyses

5.1.1 Constituent Monitoring

<table>
<thead>
<tr>
<th>Monitoring Point Serial Number and Location</th>
<th>Sample Description</th>
<th>Sample Type and Frequency</th>
<th>Constituents (mg/L unless otherwise specified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WW-239-01 Recycled water from lagoon Cell C</td>
<td>Recycled water to MU-239-01, MU-239-02, and MU-239-03</td>
<td>Grab/monthly (during periods of use)</td>
<td>Total nitrogen, Total phosphorus</td>
</tr>
<tr>
<td>SW-239-01 Enterprise Canal</td>
<td>Supplemental irrigation water</td>
<td>Grab sample (May and September of the first and third permit year)</td>
<td>Total nitrogen, Total phosphorus</td>
</tr>
</tbody>
</table>

5.1.2 Management Unit and Other Flow Monitoring

<table>
<thead>
<tr>
<th>Management Unit or Flow Measurement Serial Number and Location</th>
<th>Sample Description</th>
<th>Sample Type and Frequency</th>
<th>Parameters, each MU or FM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01, MU-239-02, and MU-239-03 Reuse flow meter</td>
<td>Recycled water flow from the settling lagoon</td>
<td>Daily meter reading, Monthly compilation of data</td>
<td>Volume (MG/month), Application depth (inches/month)</td>
</tr>
<tr>
<td>MU-239-01, MU-239-02, and MU-239-03 Supplemental irrigation flow meter</td>
<td>Supplemental irrigation water from Enterprise Canal</td>
<td>Daily meter reading, Monthly compilation of data</td>
<td>Volume (MG/month), Application depth (inches/month)</td>
</tr>
</tbody>
</table>

5.2 Reserved
5.3 Soil Monitoring

5.3.1 Soil Monitoring Unit Descriptions

<table>
<thead>
<tr>
<th>Monitoring Point Serial Number</th>
<th>Description</th>
<th>Associated Management Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU-239-01</td>
<td>North growing season field</td>
<td>MU-239-01</td>
</tr>
<tr>
<td>SU-239-02</td>
<td>Center pivot growing and non-growing season acreage</td>
<td>MU-239-02</td>
</tr>
<tr>
<td>SU-239-03</td>
<td>South growing season field</td>
<td>MU-239-03</td>
</tr>
</tbody>
</table>

5.3.2 Soil Monitoring, Sampling, and Analyses

<table>
<thead>
<tr>
<th>Monitoring Point Serial Number</th>
<th>Sample Type</th>
<th>Sample Frequency</th>
<th>Constituents (Units in mg/kg Soil Unless Otherwise Specified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SU-239-01</td>
<td>Composite samples(^a)</td>
<td>Annually, April (before application of fertilizer)</td>
<td>Electrical conductivity (mmhos/cm in saturated paste extract)</td>
</tr>
<tr>
<td>SU-239-02</td>
<td></td>
<td></td>
<td>Nitrate nitrogen</td>
</tr>
<tr>
<td>SU-239-03</td>
<td></td>
<td></td>
<td>Plant available phosphorus</td>
</tr>
</tbody>
</table>

\(^a\) The number of sample locations PO or QAPP for each SU shall be specified in the PO or QAPP. 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

<table>
<thead>
<tr>
<th>Associated Management Units</th>
<th>Sample Type</th>
<th>Sample Frequency</th>
<th>Parametersa</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>Harvested portion, each crop, each MU</td>
<td>Each harvest</td>
<td>Crop type, Harvest date, Sample collection date, Harvested acreage (acres), As-harvested ('wet') yield in customary harvested units (tons, bushels, cwt, etc.), As-harvested (field) moisture content (%)b, Dry yield (lb)</td>
</tr>
<tr>
<td>MU-239-02</td>
<td>harvested portion, each crop, each MU</td>
<td>Each harvest</td>
<td></td>
</tr>
<tr>
<td>MU-239-03</td>
<td>harvested portion, each crop, each MU</td>
<td>Each harvest</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Associated Management Units</th>
<th>Sample Type</th>
<th>Sample Frequency</th>
<th>Parametersa</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>harvested portion, each crop</td>
<td>Each harvest</td>
<td>Lab moisture content (%), Total combustible nitrogen (%), Phosphorus as P (ppm), Ash (%)</td>
</tr>
<tr>
<td>MU-239-02</td>
<td>harvested portion, each crop</td>
<td>Each harvest</td>
<td></td>
</tr>
<tr>
<td>MU-239-03</td>
<td>harvested portion, each crop</td>
<td>Each harvest</td>
<td></td>
</tr>
</tbody>
</table>

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 Lagoon Information

<table>
<thead>
<tr>
<th>Serial number</th>
<th>Description</th>
<th>Surface Area, acres</th>
<th>Maximum Operating Volume (gallons)</th>
<th>Liner Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>LG-239-01</td>
<td>Cell A settling basin</td>
<td>~0.112 acres</td>
<td>~82,400</td>
<td>Concrete constructed cells with no liner</td>
</tr>
<tr>
<td>LG-239-02</td>
<td>Cell B settling basin</td>
<td>~0.60 acres</td>
<td>~60,500</td>
<td></td>
</tr>
<tr>
<td>LG-239-03</td>
<td>Cell C settling basin</td>
<td>~0.87 acres</td>
<td>~87,100</td>
<td></td>
</tr>
</tbody>
</table>

- All three cells are partitioned inside a 122 feet by 40 feet by 8 feet concrete basin with a total volume of 230,000 gallons and a working volume of 188,300 gallons.
6. Reporting Requirements

6.1 Annual Report Requirements

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

6.1.1 Due Date

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

6.1.2 Required Contents

The annual report shall include the following:

1. Detailed results of the required monitoring as described in section 5 of this permit. The report shall present all monitoring data in summary tables to expedite review. If the permittee monitors any parameter for compliance purposes more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

2. A brief interpretive discussion of the results of all required monitoring data as specified by section 5. The discussion shall address data quality objectives, validation, and verification; explain what the data say about permit compliance; and reuse facility environmental impacts. The reporting year for this permit is specified in section 4.5.

3. Status of all work described in section 3 of this permit.

4. Results of all backflow testing, repairs, and replacements required by section 9.1.1 of this permit.

5. Discussion of major maintenance activities such as major equipment replacement, lagoon liner maintenance, and wastewater treatment and reuse facility maintenance.

6. A summary of all noncompliance events that occurred during the reporting year. Examples of noncompliance events that must be discussed include, but are not limited to: exceedance of permit limits, complaints, missed monitoring events, incorrect monitoring dates or frequencies, dry monitoring wells, uncontained spills causing runoff, construction without DEQ engineering plan approval, construction without engineering inspection, and reporting incorrect acreage.

7. Laboratory analytical reports that show results, analytical methods, and practical quantitation limits for monitoring specified in section 5 of the permit. Chain of custody forms, supporting information for laboratory analytical reports, and quality assurance documentation shall be available for review upon request by DEQ.

8. The calculations and results for the parameters in the following table:
<table>
<thead>
<tr>
<th>Monitoring Point Serial Number</th>
<th>Parameter (Calculate for each MU)</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU-239-01</td>
<td>Recycled water loading rate</td>
<td>MG/month</td>
</tr>
<tr>
<td>MU-239-02</td>
<td>Supplemental irrigation water loading rate</td>
<td>MG/month</td>
</tr>
<tr>
<td>MU-239-03</td>
<td>IWR for each crop grown</td>
<td>Inches/month</td>
</tr>
<tr>
<td></td>
<td>Recycled water nitrogen and phosphorus loading rates</td>
<td>lb/(acre·year)</td>
</tr>
<tr>
<td></td>
<td>Supplemental irrigation water nitrogen and phosphorus loading rates</td>
<td>lb/(acre·yr)</td>
</tr>
<tr>
<td></td>
<td>Fertilizer nitrogen and phosphorus application rates, reported as elemental N and P</td>
<td>lb/(acre·yr)</td>
</tr>
<tr>
<td></td>
<td>Waste solids nitrogen and phosphorus application rates</td>
<td>lb/(acre·yr)</td>
</tr>
<tr>
<td></td>
<td>Crop harvest and yield, report for each harvest and the annual totals for each MU.</td>
<td>Crop types harvested</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total harvested area (acres)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total wet yield (lb/yr, lb/(acre·yr))</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total dry yield (lb/yr, lb/(acre·yr))</td>
</tr>
<tr>
<td></td>
<td>Crop nitrogen, phosphorus, and ash removal rates (dry-basis)</td>
<td>lb N/(acre·yr)</td>
</tr>
<tr>
<td></td>
<td>Report each harvest and the annual totals for each MU.</td>
<td>lb P/(acre·yr)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>lb Ash/(acre·yr)</td>
</tr>
</tbody>
</table>

### 6.1.3 Submittals

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

- Permit applications shall be signed by the responsible official as described below:
  - For a corporation by a responsible corporate officer
  - For a partnership or sole proprietorship by a general partner or the proprietor, respectively
  - For a municipality, state, federal, Indian tribe, or other public agency by either the principal executive officer, ranking elected official, or a person of decision-making authority who can legally bind the permittee with respect to the permit.

- Annual reports and other information required by this permit shall be signed by the responsible official or by a duly authorized representative of that person. A person is a duly authorized representative only if all of the following are true:
  - The authorization is made in writing by the responsible official.
  - The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual having overall responsibility for environmental matters for the company.
• The written authorization is submitted to DEQ.

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

Engineering Manager
Idaho Department of Environmental Quality
Idaho Falls Regional Office
900 North Skyline Drive, Suite B
Idaho Falls, Idaho 83402

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

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

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

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

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

6.2 Emergency and Noncompliance Reporting

Report noncompliance incidents to DEQ’s regional office at (208) 528-2650.

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

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

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

IPDES Compliance, Inspection, and Enforcement Lead  
1410 N. Hilton Street  
Boise, ID 83706  
833-IPDES24 or 833-473-3724
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 a subsection of the “Recycled Water Rules,” (IDAPA 58.01.17.616). Director refers to DEQ Director or designee unless otherwise specified.

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.

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.

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:

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 Idaho DEQ IPDES program. An IPDES or NPDES permit is required for any discharge to surface water and backflow prevention shall be implemented to prevent any unauthorized discharge. Backflow prevention assemblies or devices used to protect surface water shall be adequately operated and maintained.

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

9.1.2 Restricted to Premises

Wastewaters or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the 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 defined as the presence in the outdoor atmosphere of any air pollutant or combination thereof in such quantity of such nature and duration and under such conditions as would be injurious to human health or welfare, to animal or plant life, or to property, or to interfere unreasonably with the enjoyment of life or property (IDAPA 58.01.01.006.06).

9.1.4 Solids Management

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

Biosolids generated from sewage sludge are regulated by 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 applying biosolids at any permitted reuse facility.

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

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

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

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

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

Waste solids include sludge and wastes otherwise regulated by DEQ according with IDAPA 58.01.06.001.03.a.xii. Waste solids may include vegetative waste, silt and mud containing organic matter, and other non-inert solid wastes.
Inert wastes are defined as non-combustible, nonhazardous, and non-putrescible solid wastes that are likely to retain their physical and chemical structure and have a de minimis potential to generate leachate under expected conditions of disposal, which includes resistance to biological attack.

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

9.1.5 Temporary Cessation of Operations and Closure (IDAPA 58.01.17.801)

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

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

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

9.1.6 Plan of Operation (IDAPA 58.01.17.300.05)

The PO must comply with the following:

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

9.1.7 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:

   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.

   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.

   c. Compliance schedules. The Department determines good cause exists for modification of a compliance schedule or terms and conditions of a permit.

   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.

   e. To correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions.

   f. When a treatment technology proposed, installed, and properly operated and maintained by the permittee fails to achieve the requirements of the permit.

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.

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.

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.

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.”

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.

**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.

**9.2.5 Severability**

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

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

10.1 Owner Responsibilities for Well Use and Maintenance

10.1.1 Well Use

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

10.1.2 Well Maintenance

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

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

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

11.1 Regional Map
11.2 Facility Map(s)