IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

REUSE PERMIT

I-036-04

(Previous Permit Number LA-000036-03)

BASIC AMERICAN POTATO COMPANY, INC. (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 MARCH 3, 2022

Bruce Olenick
Regional Administrator
Idaho Department of Environmental Quality
Pocatello Regional Office

MARCH 4, 2016
Date

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

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1. Common Acronyms, Abbreviations and Definitions

cwt	a unit of weight measurement equal to 100 pounds
DEQ	Idaho Department of Environmental Quality
DEQ Guidance	DEQ Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, latest revision
Director	Director of the Idaho Department of Environmental Quality or designee unless otherwise specified
EPA	Environmental Protection Agency
E_i	irrigation efficiency
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
GW	prefix for ground water reporting serial number
IDAPA	Idaho Administrative Procedures Act
IDWR	Idaho Department of Water Resources
IWR	irrigation water requirement - any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). The equation used to calculate the IWR is: $IWR = P_{def}/E_i$
LG	prefix for lagoon reporting serial number
MG	million gallons
mg/kg	milligram per kilogram
mg/L	milligram per liter
MU	prefix for management unit reporting environmental serial number
NPDES	National Pollutant Discharge Elimination System
P_{def}	precipitation deficit - is synonymous with the net irrigation water requirement of the crop and for the purposes of this permit can be found at the following website http://data.kimberly.uidaho.edu/ETIdaho/
PO	plan of operation
QAPP	quality assurance project plan
Responsible Official	the 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 is also responsible for providing 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

2. Facility Information

Information type	Information specific for this permit
Type of recycled water	Industrial – Potato processing recycled water
Method of treatment and reuse	Preliminary treatment via screening and clarification. Mud water is treated via settling of solids. Potato processing effluent is mixed with supplemental irrigation water in the facility's farm pump station, and any excess is temporarily stored in one of the lined surge basins. Use of recycled water for crop irrigation via slow rate land application.
Facility Location **Phone** **E-mail**	409 West Collins Road Blackfoot, ID 83221 Township 2S, Range 35 E, Sections 27, 28, and 33. 208-785-8572 jkirkpatrick@baf.com
Facility Mailing address	409 West Collins Road Blackfoot, ID 83221
Facility Responsible Official and Authorized Representative	Responsible Official: • Mr. Rich Livermore, Plant Manager Authorized Representatives: • Mr. John Kirkpatrick, Environmental Manager Notify DEQ within 30 days if there is a change in personnel for any of the above facility contacts. A minor permit modification will be issued by DEQ to confirm the change.
Ground Water	20-60 feet – Shallowest ground water typically during July. General groundwater flow direction is west, away from the Snake River. There are no known nitrate priority areas near the facility. Public water supply well at the facility: uses commercial, industrial.
Surface Water	Snake River along the east boundary of the site. Beneficial uses: cold water biota, primary contact recreation. United Canal (formerly Danskin Canal) on the west boundary. Beneficial uses: agriculture.

3. Compliance Schedule for Required Activities

Compliance activity (CA) number and Completion due date	Compliance activity description
CA-036-01 12 months following permit issuance	**Monitoring Well Network Analysis:** A monitoring well network analysis shall be conducted and shall include, but not be limited to the following: Within one year of permit issuance, submit to DEQ for review and approval an evaluation of the existing ground water monitoring well network. If the monitoring well network is determined to be insufficient, include in the evaluation plans for a modified ground water monitoring well network that will provide sufficient ground water quality data to characterize the impacts of the reuse activities, and an implementation schedule for any recommended changes to the ground water monitoring well network.
CA-036-02 12 months prior to permit expiration	If the permittee intends to continue operating the recycled water reuse facility beyond the expiration date of this permit, the permittee shall contact DEQ and schedule a pre-application workshop to discuss the compliance status of the facility and the content required for the recycled water reuse permit application package.
CA-036-03 One hundred eighty (180) days prior to permit expiration	The permittee shall submit to DEQ a complete permit renewal application package, which fulfills the requirements specified at the pre-application workshop identified in CA-036-02.

4. Permit Limits and Conditions

4.1. Hydraulic Management Unit Descriptions

Serial Number	Description	Irrigation System Type and Irrigation Efficiency	Maximum Acres Allowed[a]
MU-03607	CP-1	Center Pivot (E_i = 0.80)	53
MU-03608	CP-2	Center Pivot (E_i = 0. 80)	37
MU-03609	CP-3	Center Pivot (E_i = 0. 80)	34
MU-03610	CP-4	Center Pivot (E_i = 0. 80)	83
MU-03611	CP-5	Center Pivot (E_i = 0. 80)	89
MU-03612	CP-6	Center Pivot (E_i = 0. 80)	10
MU-03613	CP-7	Center Pivot (E_i = 0. 80)	12
MU-03614	CP-8	Center Pivot (E_i = 0. 80)	13
MU-03615	CP-9	Center Pivot (E_i = 0. 80)	9
MU-03616	WL-1	Wheel Line (E_i = 0. 70)	13
MU-03617[b]	Corners	Solid Sets (E_i = 0. 70) (No Recycled Water Application)	(41.4)
Total Permitted Acreage Receiving Recycled Water			353

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 utilized during each season or year.

b. Management unit MU-03617 receives supplemental irrigation water only with no recycled water application. The corners are managed according to the facility's Waste Solids Management Plan.

4.2. Hydraulic Loading Limits

Serial Number	Growing season hydraulic loading	Non-growing season maximum hydraulic loading inches[a] per acre		
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	Substantially at the crop irrigation water requirement (IWR)[b]	MU Number	Max. Acres	Inches Per Acre
		MU-03607	53	8.7
		MU-03608	37	9.2
		MU-03609	34	10.0
		MU-03610	84	15.2
		MU-03611	88	9.6
		MU-03612	10	15.1
		MU-03613	12	12.2
		MU-03614	13	15.2
		MU-03615	9	15.2
		MU-03616	13	6.2

a. Record daily, as necessary, abnormal conditions as a result of non-growing 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.

4.3. Constituent Loading Limits

Serial Number	Constituent loading limit (from all sources)			
	Nitrogen (lb per acre)[a]	Phosphorus (lb per acre)	Salt (Non-volatile dissolved solids, NVDS) (lb per acre)	COD (lb per acre)
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	150% of crop uptake	N/A	N/A	50 pounds per acre, maximum average daily limit, growing season and non-growing season reported separately

a. COD limit are 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 3 most recent years the crop has been grown. For crops having less than 3 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. If written approval is not provided by DEQ, compliance with the 150% nitrogen loading limit shall be determined by comparing the current year nitrogen loading to the current year nitrogen uptake.

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

4.4. Hydraulic Management Unit Buffer Zones

Serial Number	Buffer Distances (in feet) from Hydraulic Management Units					
	Public Water Supplies	Private Water Supplies	Inhabited Dwellings	Permanent and Intermittent Surface Water	Irrigation Ditches and Canals	Areas Accessible to the Public
MU-03607 through MU-03616	1,000	500	300	100	50	50
Buffer zones and approved buffer zone mitigation measures shall be maintained and managed in accordance with the most recently approved Buffer Zone Plan. Any additional or new mitigation measures to reduce the buffer distances specified in this table shall be submitted to and approved by DEQ in writing prior to installation and implementation.						

4.5. Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing Season	April 1 through October 31 (214 days)
Non-growing Season	November 1 through March 31 (151 days)
Reporting Year for Annual Loading Rates	November 1 through October 31
Non-Growing Season Maximum Recycled Water Hydraulic Loading	The maximum total NGS hydraulic loading rate for the 353 acre land treatment site is 106.35 Million Gallons. Individual management unit loading limits are listed in Section 4.2.
Crop or vegetation restrictions	Refer to the plan of operation or cropping plan for allowable crops
Grazing	Grazing is not allowed.
Posting	Signs shall read "Irrigated with Recycled Water - Do Not Drink" or equivalent signage both in English and Spanish. Signs to be posted every 500 feet and at each corner of the outer perimeter of the irrigated site. Signs are required where management unit border areas are accessible to the public.
Fencing	Fencing required around the surge basins.
Construction Plans & Specifications	Pursuant to Idaho Code §39-118, IDAPA 58.01.16, and IDAPA 58.01.17, detailed plans and specifications shall be submitted to DEQ for review and approval prior to construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, ground water monitoring wells, or reuse facility. Inspection requirements shall be satisfied and within 30 days of completion of construction and the permittee shall submit as-built plans or a letter from an Idaho Professional Engineer certifying the facilities or structures were constructed in substantial accordance with the approved plans and specifications.
Backflow prevention and testing requirements	Backflow prevention is required to protect surface water and 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, plus 2 years.
Liner Inspection and BMPs	Inspect surge basins and liners annually, maintain BMPs at the surge basins as necessary to maintain liner integrity, and report any increases in measured ground water constituents as a result of surge basin use.

5. Monitoring Requirements

5.1. Recycled Water and Supplemental Water Monitoring, Sampling, and Analyses

5.1.1. Constituent Monitoring

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (units in mg/L, unless otherwise specified)
WW-03601 Composite Sampler at the processing plant outflow	Recycled water applied to: MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	WW quality, 24 hour composite sample, when irrigating	- total Kjeldahl nitrogen, as N - ammonium-nitrogen, as N - nitrate-nitrogen, as N - total phosphorus, as P - COD - electrical conductivity - pH (standard units) - sulfate - total dissolved solids - volatile dissolved solids - non-volatile dissolved solids
Supplemental Irrigation Water (SIW)			
SW-03601 (Formerly SW-003601)	water used for irrigation from the Danskin Canal Prior to mixing	Grab Sample, Spring 2016 and Fall 2016 (Or during the first and final SIW applications in 2016)	- total Kjeldahl nitrogen, as N - nitrate-nitrogen, as N - total phosphorus, as P - total dissolved solids
SW-03602 (Formerly GW-03624)	water used for irrigation from the Irrigation Well Prior to mixing		

5.1.2. Management Unit Flow Monitoring

Monitoring point serial number and location	Sample description	Sample type and Frequency	Measured Parameter (Units and significant figures)
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616 Flow meter at the processing plant outflow	Recycled water volume from plant outflow prior to application on: MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	- Daily meter reading - Monthly, seasonal, and annual compilation of data	- Daily recycled water volume - MG per month to the nearest gallon, and depth reported as inches per acre per month to each management unit, to the nearest 1/100 of an inch
Supplemental Irrigation Water			
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616 Flow meter for supplemental irrigation water pumps at the surface water source, SW-03601 or the well source, SW-03602 (or any applied supplemental irrigation water)	Volume of water from the canal, or from the irrigation well to: MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	- Daily flow meter readings, Daily pump run times, or hour meter readings and volume conversions - Monthly, seasonal, and annual compilation of data	- Daily Irrigation water volume when applying - MG per month to the nearest gallon, and depth reported as inches per acre per month to each management unit, to the nearest 1/100 of an inch

5.2. Ground Water Monitoring

5.2.1. Ground Water Monitoring Point Descriptions

Monitoring point serial number	Common Designation	Monitoring Well Location Description	Gradient location
GW-03605	MW-1S	Downgradient from CP-2	Down
GW-03606	MW-1D	Downgradient from CP-2	Down
GW-03607	MW-2S	Downgradient from CP-4	Down
GW-03608	MW-2D	Downgradient from CP-4	Down
GW-03609	MW-3S	Upgradient - east of CP-3	Up
GW-03610	MW-3D	Upgradient - east of CP-3	Up
GW-03611	MW-4S	Downgradient - southwest of CP-1	Down
GW-03612	MW-4D	Downgradient - southwest of CP-1	Down
GW-03613	MW-8S	Upgradient - east of CP-4 and CP-5	Up
GW-03614	MW-8D	Upgradient - east of CP-4 and CP-5	Up
GW-03615	MW-5S	Upgradient from CP-5 and CP- 7	Up
GW-03616	MW-6	Upgradient - east from CP-8	Up
GW-03617	MW-7S	Downgradient - west of CP-9, north of CP-8	Down
GW-03618	MW-7D	Downgradient - west of CP-9, north of CP-8	Down
GW-03619	MW-9S	Downgradient - north of CP-5	Down
GW-03620	MW-10S	Downgradient - west of CP-5	Down
GW-03621	MW-5D	Upgradient - east of CP-5	Up
GW-03622	MW-9D	Downgradient - north of CP-5	Down
GW-03623	MW-10D	Downgradient - west of CP-5	Down

5.2.2. Ground Water Monitoring, Sampling, and Analyses

Monitoring point serial number	Facility reference number	Sample type/ Frequency	Constituents (units in mg/L unless otherwise specified)
GW-03605 GW-03606 GW-03607 GW-03608 GW-03609 GW-03610 GW-03611 GW-03612 GW-03613 GW-03614 GW-03615 GW-03616 GW-03617 GW-03618 GW-03619 GW-03620 GW-03621 GW-03622 GW-03623 To Include All New Monitoring Wells Installed During The Permit Duration	MW-1S MW-1D MW-2S MW-2D MW-3S MW-3D MW-4S MW-4D MW-8S MW-8D MW-5S MW-6 MW-7S MW-7D MW-9S MW-10S MW-5D MW-9D MW-10D	Unfiltered Grab sample, Three times annually[1]	- water table elevation (hundredths of a foot) - depth to groundwater (hundredths of a foot) - COD - Total phosphorus, as P - Nitrate-nitrogen, as N - sulfate - chloride - pH (standard units) - electrical conductivity (µmhos/cm) - temperature - total and dissolved iron[2] - total and dissolved manganese[2] - TDS[2] - VDS[2]
Domestic wells within ¼ mile of all active treatment acreage[3]	Monitoring point numbers established internally	Grab sample Report Domestic well sampling results to DEQ annually in the annual report for any domestic wells sampled	- chloride - nitrate nitrogen - total phosphorus - total dissolved solids - sulfate - total and dissolved iron[2] - total and dissolved manganese[2]

[1] To allow the Permittee flexibility in obtaining samples when water is most likely to be present, the timing of ground water sampling is not specified. Sampling should be scheduled and conducted so as to assess seasonal variability in static water levels, but should be temporally independent and evenly distributed over time to the extent practicable.

[2] Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed standards in IDAPA 58.01.11.200.b. Laboratory measured values are required for TDS unless specific approval to use a calculated value (conversion from EC) is obtained.

[3] Annual domestic well sampling is recommended but is not required and is applicable only where permission is obtained from the owner.

5.3. Soil Monitoring

5.3.1. Soil Monitoring Unit Descriptions

Monitoring point serial number	Description	Associated Management Unit
SU-03607	CP-1	MU-03607
SU-03608	CP-2	MU-03608
SU-03609	CP-3	MU-03609
SU-03610	CP-4	MU-03610
SU-03611	CP-5	MU-03611
SU-03612	CP-6	MU-03612
SU-03613	CP-7	MU-03613
SU-03614	CP-8	MU-03614
SU-03615	CP-9	MU-03615
SU-03616	WL-1	MU-03616
SU-03617	Corners	MU-03617

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-03607 SU-03608 SU-03609 SU-03610 SU-03611 SU-03612 SU-03613 SU-03614 SU-03615 SU-03616	Composite samples	Annually in March	- pH (standard units) - Plant available phosphorus (Olsen Method) - Nitrate - nitrogen - Ammonium - nitrogen - Electrical conductivity (µmhos/cm in saturated paste extract)
		First year of permit only	- Chloride - Percent organic matter (%OM) - Sodium adsorption ratio (unitless) - DTPA–iron - DTPA-Manganese

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 Monitoring Units	Sample type	Sample Frequency	Parameters [a]
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	Harvested portion, each crop, from each management unit. Reported separately by acreage if different crop types are grown on any individual management unit	Each harvest	- Crop type - Harvest date - Sample collection date - Harvested acreage (acres) - As-harvested ('wet') yield in customary harvested units (tons, bushels, cwt, etc.). - As-harvested (field) moisture content (%) - Dry yield (lb and lb per acre)

a. Documentation of reported yields shall be provided for each harvest from each MU.

5.4.2. Plant Tissue Monitoring

Associated Hydraulic Management Units	Sample Type	Sample Frequency	Parameters [a, b]
MU-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	Harvested portion, each crop Reported separately by management unit	Each harvest	- Moisture content (%); - Total Kjeldahl nitrogen (%); - Nitrate nitrogen, as N (ppm) - Phosphorus as P (ppm) - Ash (%)

a. Report dry-basis results for all parameters except lab moisture content.
b. In addition to the crop sampling requirements in Table 5.4.1 and Table 5.4.2 above, all constituent uptake values must be accompanied by documentation for each harvest showing crop sampling techniques, appropriate sample hold times, chain of custody forms, transportation methods, appropriate sample storage methods, laboratory sample sheets, and any other information deemed relevant in Section 7.6 of the DEQ Guidance for each individual management unit and each individual harvest.

5.5. Surge Basin Monitoring

The Permittee shall continue to visually inspect the two surge basins annually at a minimum, maintain appropriate BMPs, and continue to monitor groundwater sampling results for any changes in ground water constituent trends as a result of surge basin use. Report surge basin level measurements annually in the facility annual report, as recorded on the facility measuring equipment. Report any required maintenance on the surge basins, report the maintenance performed, and report the date of the annual surge basin inspections in the annual report.

6. Reporting Requirements

6.1. Annual Report Requirements

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

6.1.1. Due Date

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

6.1.2. Required Contents

The Annual Report shall include the following:

1. A brief interpretive discussion of all required monitoring data. The discussion shall address data quality objectives, validation, and verification; permit compliance; and reuse facility environmental impacts. The reporting year for this permit is specified in section 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-03607 MU-03608 MU-03609 MU-03610 MU-03611 MU-03612 MU-03613 MU-03614 MU-03615 MU-03616	Recycled water loading rate	Million gallons per month, and Inches per month
	Supplemental irrigation water loading rate	Million gallons per month, and Inches per month
	Irrigation water requirement (IWR) for each crop grown	Inches per month, and Total inches applied during the GS
	Recycled water nitrogen, phosphorus, and total dissolved solids loading rates	Pounds per acre per year on a monthly basis
	Supplemental Irrigation water nitrogen, phosphorus, and TDS loading rates	Pounds per acre per year on a monthly basis
	Fertilizer nitrogen and phosphorus application rates, reported separately as elemental N and P	Pounds per acre per year on a monthly basis
	Crop harvest and yield Report each harvest and the annual totals for each MU.	Crop types harvested Total harvested area (acres) Total 'wet' yield (lb/yr, lb/acre per year) Total 'dry' yield (lb/yr, lb/acre per year)
	Crop nitrogen, phosphorus, and ash removal rates (dry-basis) Report each harvest and the annual totals for each MU.	Pounds-N per acre per year Pounds-P per acre per year Pounds Ash per acre per year
MU-03617	Waste solids site reporting will be added as a supplement to the annual report.	In accordance with the Waste Solids Management Plan

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
Pocatello Regional Office
444 Hospital Way #300
Pocatello, ID 83201

The annual report shall include the following certification statement and be signed, dated, and certified by the permittee's Responsible Official or Authorized Representative:

"*I certify that the information provided in this submittal was prepared in conformance with the Quality Assurance Project Plan required by permit number I-036-04, 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."

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 208-236-6160, or 1-800-655-6160

In case of emergencies, call the emergency 24-hour number at 1-800-632-8000 and DEQ's regional office.

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

All instances of 1) permit non-compliance 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 the discharge 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 non-compliance or unauthorized discharge.

Reporting of unauthorized discharges to surface waters of the United States to the 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: (4-1-88)

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

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

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

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

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

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

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

c. Orally within twenty-four (24) hours from the time the permittee became aware of any noncompliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director. (4-1-88)

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

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

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

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

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

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

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

9. General Permit Conditions

The following general permit conditions are based on the cited rules at the time of issuance and are enforceable as part of this permit. Note that the rules cited in this section, and elsewhere in this permit, are supplemented by the rules themselves. Rules applicable to your facility are enforceable whether or not they appear in this permit.

9.1. Operations

9.1.1. Backflow Prevention

Reuse facilities with existing or planned cross-connections or interconnections between the recycled water system and any water supply (potable or nonpotable) or surface water, shall have backflow prevention assemblies, devices, or methods as required by applicable rule or as specified in this permit and approved by DEQ.

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

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

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

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

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

9.1.2. Restricted to Premises

Wastewaters or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the United States Environmental Protection Agency (IDAPA 58.01.16.600.02).

9.1.3. Health Hazards, Nuisances, and Odors Prohibited

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

- Wastewater must not create a public health hazard or nuisance condition (IDAPA 58.01.16.600.03).
- No person shall allow, suffer, cause or permit the emission of odorous gases, liquids, or solids into the atmosphere in such quantities as to cause air pollution (IDAPA 58.01.01.776.01).
- Air Pollution. The presence in the outdoor atmosphere of any air pollutant or combination thereof in such quantity of such nature and duration and under such conditions as would be injurious to human health or welfare, to animal or plant life, or to property, or to interfere unreasonably with the enjoyment of life or property (IDAPA 58.01.01.006.06).

9.1.4. Solids Management

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

Biosolids generated from sewage sludge are regulated by EPA under 40 CFR Part 503 and require a DEQ approved sludge disposal plan as outlined in IDAPA 58.01.16.650. Contact DEQ prior to application of biosolids at any permitted reuse facility.

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

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

Waste Solids include sludge and wastes otherwise regulated by DEQ in accordance with IDAPA 58.01.06.001.03.a.xii. Waste solids may include vegetative waste, silt and mud containing organic matter, and other non-inert solid wastes.

Inert wastes are defined as non-combustible, nonhazardous, and non-putrescible solid wastes that are likely to retain their physical and chemical structure and have a deminimis potential to generate leachate under expected conditions of disposal, which includes resistance to biological attack.

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

9.1.5. Temporary Cessation of Operations and Closure (IDAPA 58.01.17.801)

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

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

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

9.1.6. Plan of Operation (IDAPA 58.01.17.300.05)

The PO must comply with the following:

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

9.1.7. RESERVED

9.1.8. Ground Water Quality Rule (IDAPA 58.01.11)

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

9.2. Administrative

Requirements for administration of the permit are defined as follows.

9.2.1. Permit Modification (IDAPA 58.01.17.700)

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

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

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

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

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

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

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

9.2.2. Permit Transferable (IDAPA 58.01.17.800)

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

9.2.3. Permit Revocation (IDAPA 58.01.17.920)

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

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

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

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

9.2.4. Violations (IDAPA 58.01.17.930)

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

9.2.5. Severability

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

10. Other Applicable Laws

DEQ may refer enforcement of the following provisions to the state agency authorized to enforce that rule. The permittee shall comply with all applicable provisions identified in this section. 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.

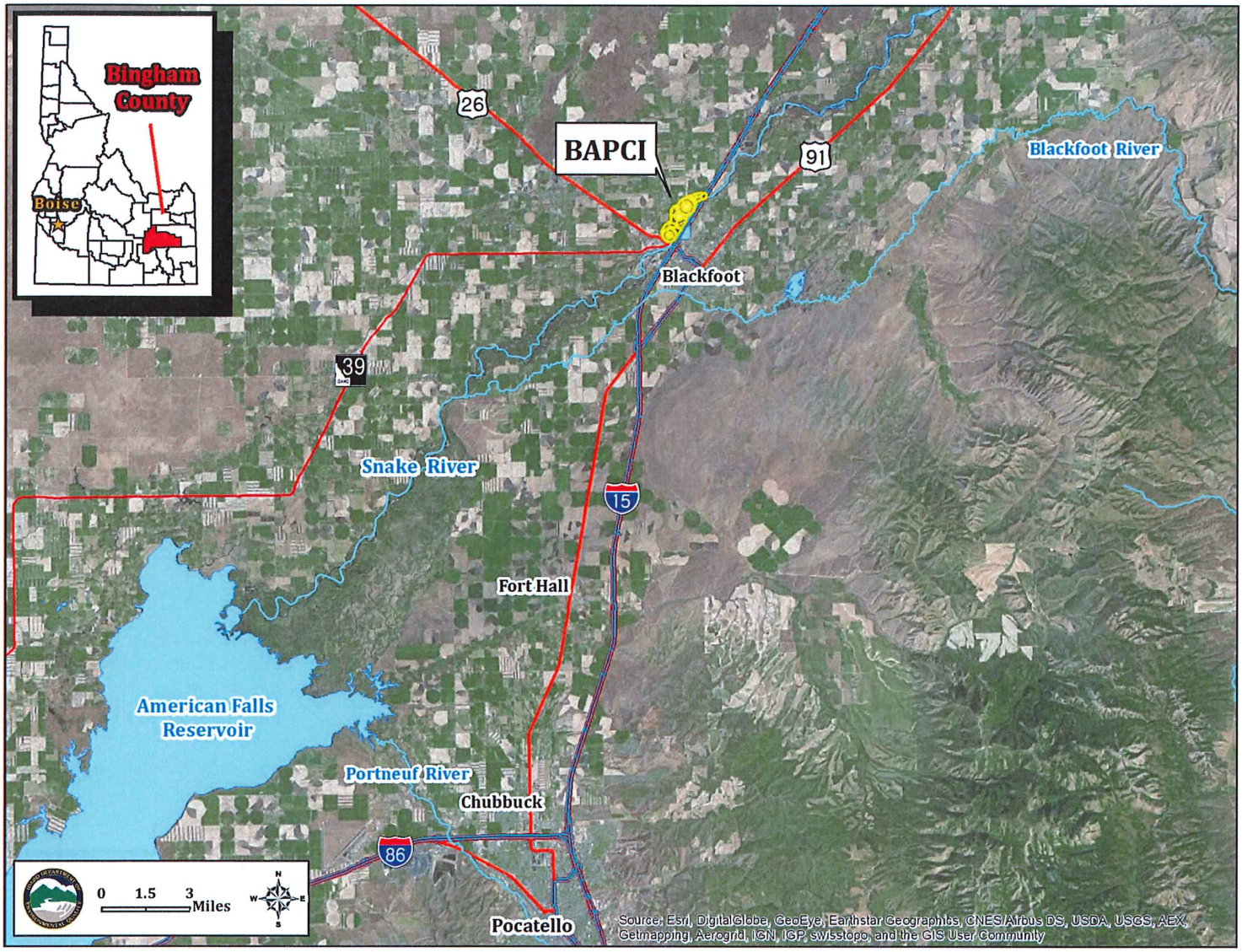
10.1.2. Well Maintenance

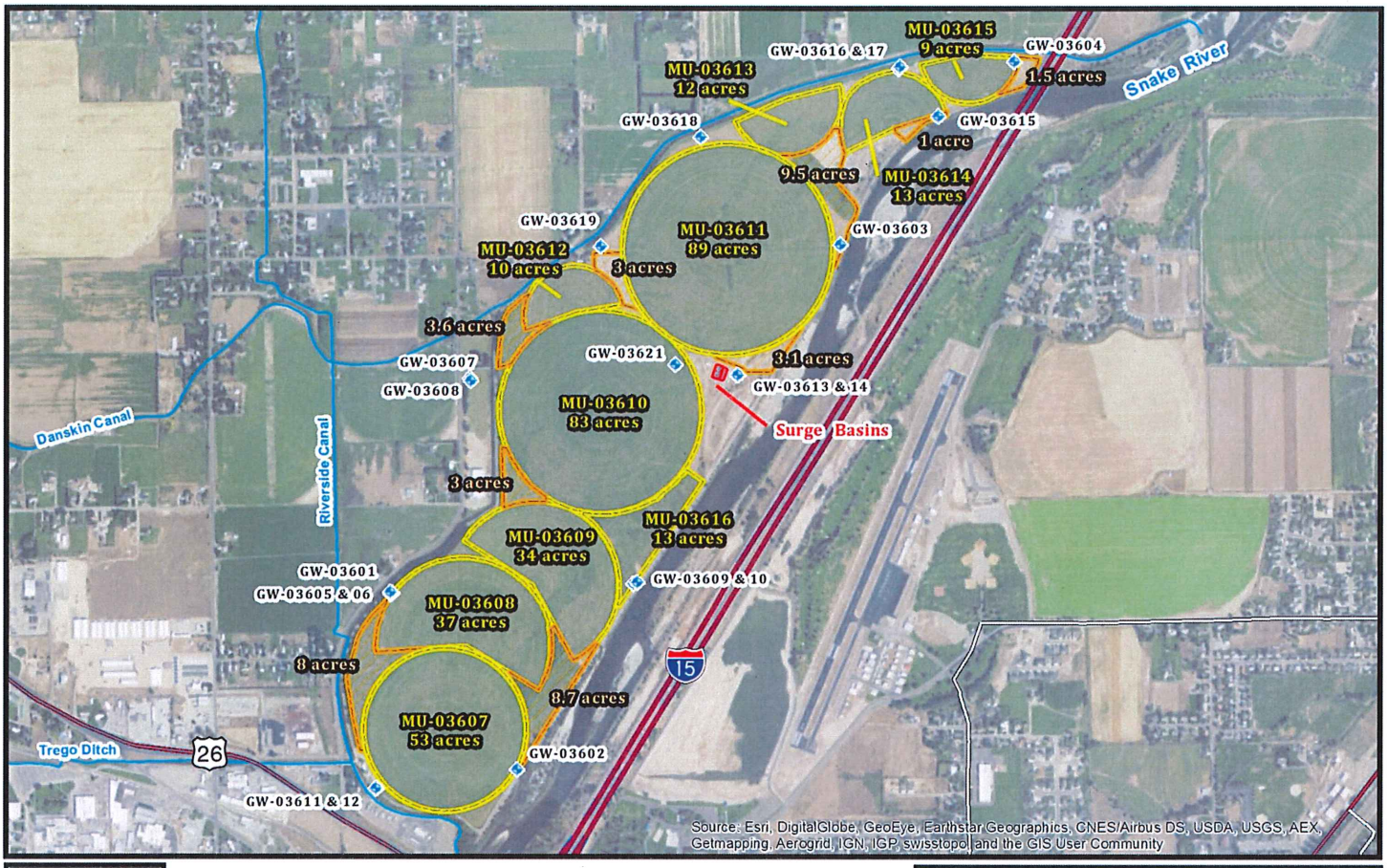
The well owner must maintain the well to prevent waste or contamination of ground waters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant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