

[illegible]

3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/pipe id. applicable.

SEE ATTACHED SHEET.

YES Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (Required).

YES Aerial Photo Attached (required for irrigation of 10+ acres).

YES Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0010043	Unknown	30			6"
Plant pump #1	US Electric	40	R1744-03-355	Cornell	48696
Plant pump #2	US Electric	40	R1744-03-355	Cornell	48698
Co-gen pump	Reliant	15	254TC	Unknown	3"
Land-application pump #1	US Motor	7.5	Unknown	Unknown	2"
Land-application pump #2	Premium Efficiency	7.5	BY752FLF2	Unknown	2"

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
McCrometer	Propeller					

2. Measurements: No measurement possible. Plant not in operation.

Used measurement taken by Corbin Knowles while calibrating flowmeter in 2004. Measured 394.3 gpm.

E. NARRATIVE/REMARKS/COMMENTS

This permit is for industrial use at a potato processing plant. In 2005 at the end of the beneficial use period, water was also being put to two additional uses, not included in the licensing; power produced from a natural gas-fired co-generation plant, and land-application of the waste water to ground 1 - 2 miles north of the plant (see system diagram).

The well used for this permit is a low-temperature geothermal well, with a 30 hp pump. Water has been measured 112°. Water is pumped from the well to a 5-10,000 gallon storage tank in the facility. No capacity of the tank was visible during the visit. City water can also be pumped in this tank if necessary. Water from the tank can be pumped in two directions; either directly to the co-generation plant via a 15 hp pump or for washout use in the

facility via two 40 hp pumps.

Washup includes floor washing, and spray down of refrigeration units used for freezing potatoes and dehydration units. Ten ¾" hoses were seen hanging on the walls of the facility for these purposes. City water is used in the office portion of the facility.

Water is pumped to the co-generation plant through elevated 10" pipe. This water is heated by a gas-fired unit and converted to steam to run the power turbine. The resulting steam is then piped back to the processing plant for use in the dehydrator and potato cooker. The steam is condensed and the condensate piped back to the power plant to be converted to steam again. Water from the co-gen plant is also piped to an adjacent cooling system and re-piped into the co-gen facility

Waste water from wash-down, which includes well water, City of Glenns Ferry water and concentrated waste water from the power plant, is piped from the building to a clarifier to remove solids and the waste water piped approximately 2 miles to a lined 2 million gallon storage pond. From here the water is pumped onto lands receiving irrigation water from King Hill Irrigation District. Permitted POU includes lands in section 18. Don Harland and Alan Crane (previous contract farmer using land-applied waste water from plant) both say the pipeline for irrigation using King Hill and waste water never extended into section 18. This POU has been removed from the proposed POU description.

The permittee, Idaho Fresh-Pak no longer owns the facility but will be left as the owner of the license. A Change of Ownership to the current owners, Brian and Sheri Baalman will be effected at licensing. The co-generation plant is owned by yet another entity, Energy Operations Group, while the acreage where land-application of the waste water occurs is owned by the Baalmans. Additionally, Idaho Power has an interest in the disposition of the co-generation plant and will be cc'ed as well.

At the time of the site visit, much of the equipment had been removed from the plant. The storage tank, pumps, refrigeration and dehydration units were still in place. Elevated piping between the processing plant and the co-generation plant was still in place. A McCrometer measuring device is installed on the input pipe from the well, inside the building. No water was being used at the time of the visit. From Don Harland, we were told that the processing plant shut down in 2007 and the co-generation plant shut down in 2009. Dan Wald, a consultant representing the new owners, accompanied us on the exam as well.

OVERLAP

Water rights 61-2248B & 61-7189 over the same industrial use. Both have volume limits, 8 and 58 AF respectively. Neither mentions power nor land application of waste water. While WMIS measurements indicate the plant used 317 AF in 2005, this license will be limited to 251 AF annually. Both existing rights also have a rate limit of 0.67 cfs. This license with also carry a combined rate limit of 0.67 cfs with all other rights for industrial use.

RECOMMENDATIONS:

Have conditions of permit approval been met? X Yes ___ No

F. FLOW CALCULATIONS

Measured Method: N/A

_____ Additional Computation Sheets Attached

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$

$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$

$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = \underline{\hspace{1cm}} B$

2. Volume Calculations for Other Uses: Industrial

317 AF (Max volume measured) – 8 AF (volume for 61-2248B) – 58 AF (volume for 61-7189) = 251 AF allowed.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial use	Period Of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Industrial	1/1	12/31	0.67	251
TOTAL			0.67	251

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

MICHAEL CISCELL – SENIOR GIS ANALYST

Field Examiner's Name: Michael Ciscell

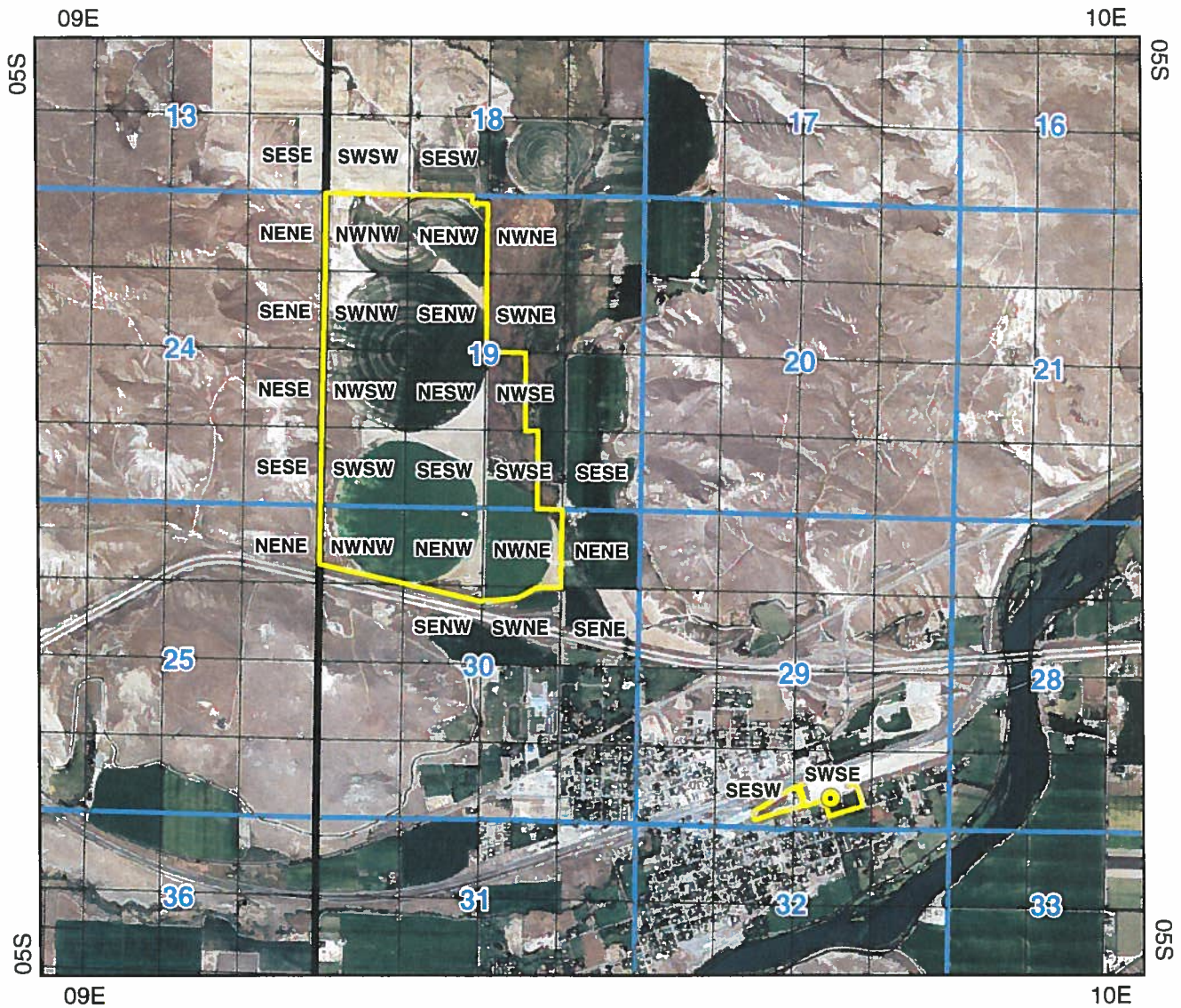
Date: 10/2/14

Reviewer: _____

Date: _____

State of Idaho
Department of Water Resources
Field Exam for Water Right License
61-7724

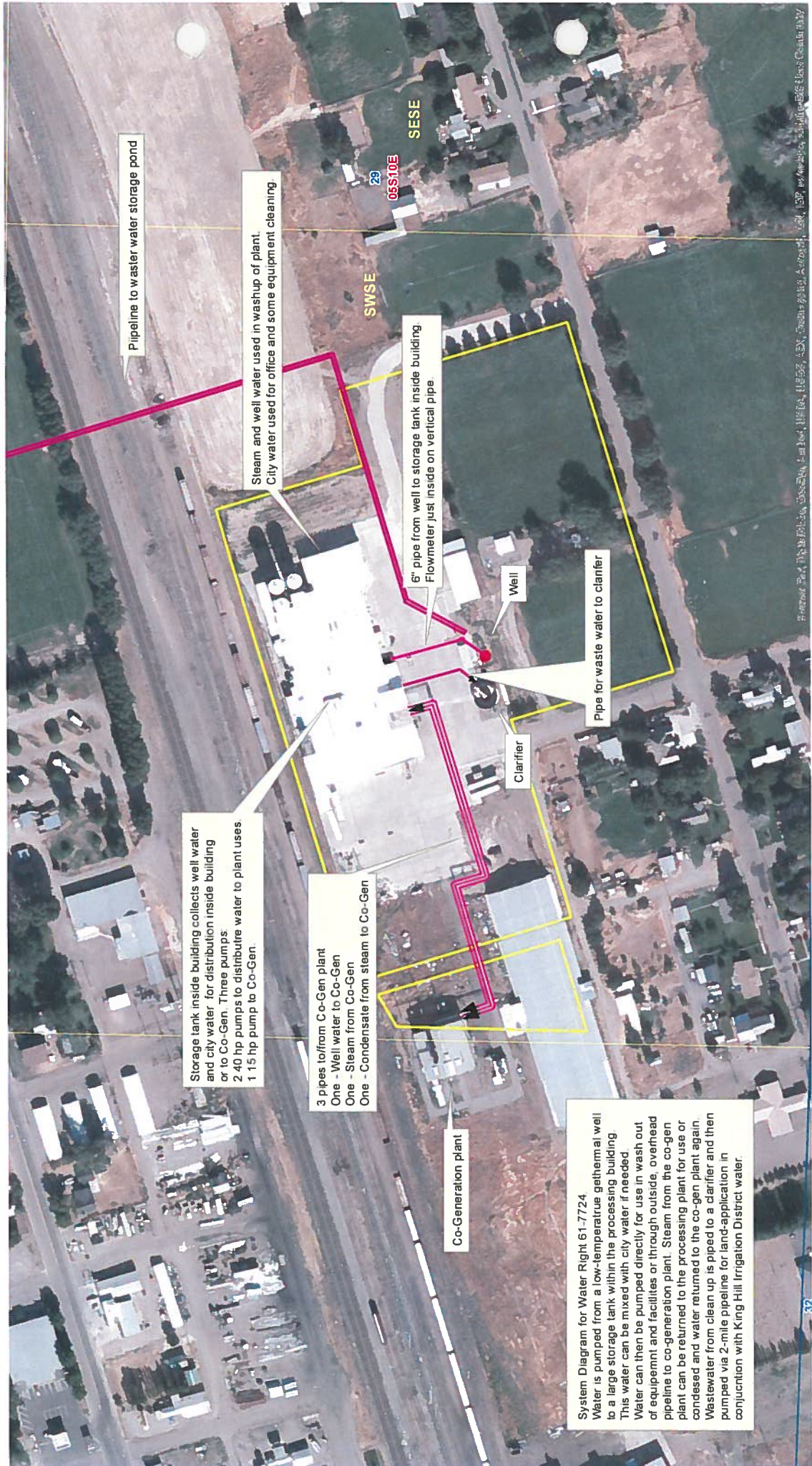
This map depicts the INDUSTRIAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.35 0.7 1.4 Miles





Pipeline to waste water storage pond

Steam and well water used in washup of plant.
City water used for office and some equipment cleaning.

6" pipe from well to storage tank inside building
Flowmeter just inside on vertical pipe

Well

Pipe for waste water to clarifier

Storage tank inside building collects well water
and city water for distribution inside building
or to Co-Gen. Three pumps
2 40 hp pumps to distribute water to plant uses.
1 15 hp pump to Co-Gen.

3 pipes to/from Co-Gen plant
One - Well water to Co-Gen
One - Steam from Co-Gen
One - Condensate from steam to Co-Gen

Co-Generation plant

Clarifier

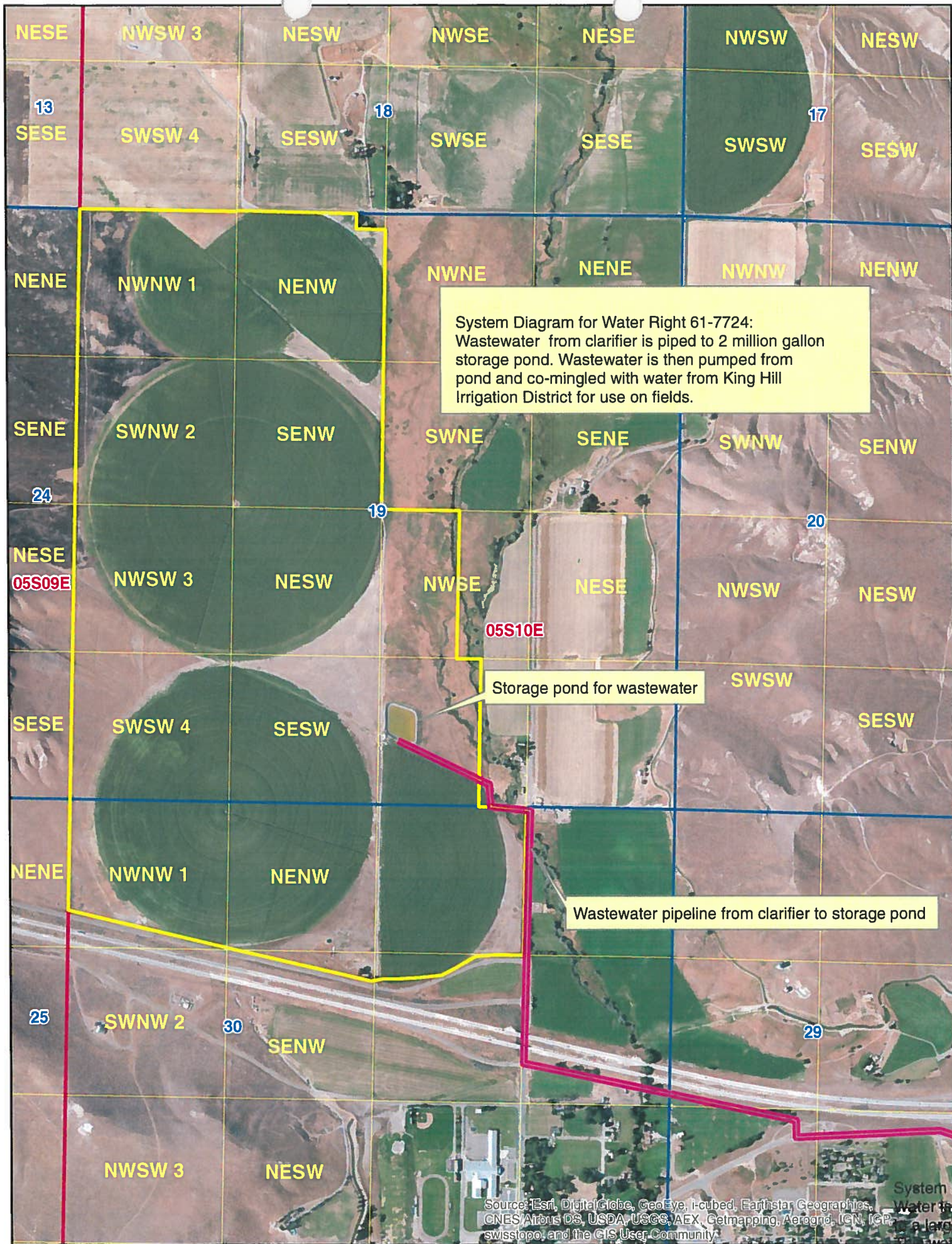
System Diagram for Water Right 61-7724
Water is pumped from a low-temperature geothermal well to a large storage tank within the processing building. This water can be mixed with city water if needed. Water can then be pumped directly for use in wash out of equipment and facilities or through outside, overhead pipeline to co-generation plant. Steam from the co-gen plant can be returned to the processing plant for use or condensed and water returned to the co-gen plant again. Wastewater from clean up is piped to a clarifier and then pumped via 2-mile pipeline for land-application in conjunction with King Hill Irrigation District water.

SWSE

SESE

29
05510E

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Field exam: Water Permit 61-7724



Flowmeter inside south side of plant



Flowmeter on vertical pipe at right of door.



Well location in center of group and clarifier (round tank)



Metal tag on well casing: A0010043



Water storage tank inside plant



Two 40 hp pumps (L & R) for plant use.
15 hp pump (center) to co-generation plant



Hoses for plant wash down



Gas-fired Co-Generation plant. Three overhead pipes carry water from storage tank, steam to processing plant and steam condensate to co-generation plant.



Cooling tower south of co-generation plant



Wastewater storage pond



Pumps from storage pond



Pumps from King Hill Irrigation ditch



Pump house to manage wastewater and King Hill water

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Flow Meter Water Usage

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Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2011	448204.00	512.75	0.00	
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
	615283.00	512.75	0.00	
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2011 12:00:00 AM		FM	
Factor	1.00			
Vol. Multiplier:	1000.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2010	299459.00	409.03		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
	432742.00	409.03		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2011 12:00:00 AM	Monthly Recordings	FM	
Factor	1.00			
Vol. Multiplier:	1000.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2009	170489.00	395.80	0.00	
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	299459.00	395.80	0.00	
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2011 12:00:00 AM	Monthly Recordings		
Factor	1.00			
Vol. Multiplier:	1000.0000			

Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2008	52844.00	361.04	0.00	New Siemens meter, units for calibration came from Annual report submitted by user. CRK 5.2.11
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	170489.00	361.04	0.00	
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2011 12:00:00 AM	Monthly Recordings	FM	
Factor	1.00			
Vol. Multiplier:	1000.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2007	315156.00	174.13		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	882559.00	193.28		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/30/2004 12:00:00 AM	Monthly Recordings		
Factor	1.11			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2006	315156.00	188.53		These numbers do not track, but neither do any previous reports.(?)
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	929467.00	209.26		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/30/2004 12:00:00 AM	Monthly Recordings		
Factor	1.11			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2005	717745.00	285.34		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	1647540.00	316.73		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/30/2004 12:00:00 AM	Monthly Recordings		
Factor	1.11			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2004	498268.00	272.87		

Highly
During this period

Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	1387423.00	302.89		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/30/2004 12:00:00 AM	Monthly Recordings		
Factor	1.11			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2003	61358.00	58.22		Jan 1, 2003 to April 30, 2003. New meter installed on Nov 15, 2002. Needs calibration.
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	251059.00	62.88		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	8/11/1999 12:00:00 AM	Partial Year Measurement		
Factor	1.08			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2002	670926.00	121.20		May 1, 2002 to Dec 31, 2002. New meter installed on Nov 15, 2002.
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	1065850.00	130.90		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	8/11/1999 12:00:00 AM	Partial Year Measurement		
Factor	1.08			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2000		224.20		Jan 1 to Dec 31, 2000. See Excel spreadsheet obtained by IDWR.
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR		242.14		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	8/11/1999 12:00:00 AM	Monthly Recordings		
Factor	1.08			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			
Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
1999		252.30		reporting Jan 1 to Dec 31, 1999. See excel spreadsheet obtained by IDWR.
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Validated by IDWR	82208900.00	272.48		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	8/11/1999 12:00:00 AM	Monthly Recordings		
Factor	1.08			
Vol. Multiplier:	100.0000			

Vol. Unit	GAL

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Flow Meter Calibrations

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Calibration Date/Time:	01/01/2011	Factor:	1.00
Installed Meter Data:		Standard Meter Data:	
Installed Meter Flow:	1.00	Standard Meter Flow:	1.00
Rate Unit:	GPM	Rate Unit:	GPM
Rate Multiplier:	1.0000	Pipe Material:	
Volume Multiplier:	1000.0000	Outside Diameter (Inches):	
Volume Unit:	GAL	Wall Thickness (Inches):	
Location:		Downstream Distance (feet):	
Comments:		Upstream Distance (feet):	
		Calibration Confidence:	EXCL
Installed Meter Information:			
Manufacturer:	SEIMENS	Installation Date:	
Model Number:	Mag6000	Serial Number:	7ME651689514T147
Meter Type:	MAGNETIC, FULL PROFILE	Other Well:	
Calibration Date/Time:	01/30/2004	Factor:	1.11
Installed Meter Data:		Standard Meter Data:	
Installed Meter Flow:	354.70	Standard Meter Flow:	394.30
Rate Unit:	GPM	Rate Unit:	GPM
Rate Multiplier:	1.0000	Pipe Material:	STEEL
Volume Multiplier:	100.0000	Outside Diameter (Inches):	6.66
Volume Unit:	GAL	Wall Thickness (Inches):	0.17
Location:	GOOD	Downstream Distance (feet):	4.00
Comments:		Upstream Distance (feet):	5.00
Found out that plant changes meters out on an annual basis to send them back for rebuild and recalibration. The other meter they have on hand is the 96066826 serial. I suggested switching to a mag application and not have to worry about meter running from one year to the next. CRK 2/2/04		Calibration Confidence:	POOR
Installed Meter Information:			
Manufacturer:	MCCROMETER	Installation Date:	
Model Number:	M0306	Serial Number:	01023776
Meter Type:	PROPELLER	Other Well:	
Calibration Date/Time:	08/11/1999	Factor:	1.08
Installed Meter Data:		Standard Meter Data:	
Installed Meter Flow:	392.98	Standard Meter Flow:	423.97

Rate Unit:	GPM	Rate Unit:	GPM
Rate Multiplier:	1.0000	Pipe Material:	
Volume Multiplier:	100.0000	Outside Diameter (Inches):	
Volume Unit:	GAL	Wall Thickness (Inches):	
Location:	FAIR	Downstream Distance (feet):	
Comments:		Upstream Distance (feet):	
Calibration by timed fill into storage. See file for data sheet.		Calibration Confidence:	FAIR
Installed Meter Information:			
Manufacturer:	MCCROMETER	Installation Date:	
Model Number:	M0306	Serial Number:	96-06682
Meter Type:	PROPELLER	Other Well:	

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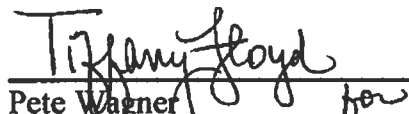
You are logged in as Guest[Point Of Diversion](#) [PCC](#) [Flow Meter](#) [Time Clock](#) [Alternate](#) [Contacts](#) [Data Summary](#) [Other](#) [Logout](#)**Site Visits***You are viewing 101770; A0010043*

Report Year	Visit Date	Examiner	Reason for Visit
1999	08/11/1999	CYENTER	Flowmeter Calibration
Comments			
Visit with C E Brockway to calibrate flowmeter. Using timed fill into storage and simultaneous meter readings to calibrate meter. Totalizer was within acceptable error margin, however, instantaneous flow readings about 35% low, showing diversion around 280 gpm. Brockway feels the meter should be replaced and relocated and has recommended this to Magic West.			

A. Permit Certificate

**INDUSTRIAL
WASTEWATER REUSE PERMIT
LA-000007-04**

Idahoan Foods, LLC, LOCATED AT 138 Custer St, Glenns Ferry;
Mailing address: P.O. Box 130, Lewisville, ID 83350, IS HEREBY
AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A
WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE
WASTEWATER REUSE RULES (IDAPA 58.01.17) AND
WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER
QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT,
APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS
EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON
June 25, 2014.



Pete Wagner for
Boise Regional Administrator
Idaho Department of Environmental Quality

Date: June 25, 2009

**DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard St.
Boise, ID 83706
208-373-0550**

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

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References

1. Plan of Operation (Operation and Maintenance Manual)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit No. LA-000007-04 and are enforceable as such. This permit does not relieve Idahoan Foods, LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
Guidance	Guidance for Land Application of Municipal and Industrial Wastewater
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IDAPA	Idaho Administrative Procedures Act.
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop: $IWR = IR / E_i = (CU - Pe) / E_i$ Where: IR = net irrigation requirement = CU – Pe CU = consumptive use (crop evapotranspiration) for a given crop in a given climatic area Pe = effective precipitation. E_i = irrigation system efficiency.
lb/ac-day	Pounds (of constituent) per acre per day
LG	Lagoon
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
SMU	Soil Monitoring Unit (Serial Number designation is SU)
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)

C. Abbreviations, Definitions

SW	Surface Water
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TDS	Total Dissolved Solids or Total Filterable Residue
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 Water Quality Standards and Wastewater Treatment Requirements
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2006 Reporting Year would be November 01, 2005 through October 31, 2006.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Idahoan Foods, LLC
Type of Wastewater	Industrial
Method of Treatment	Slow Rate Land Application
Type of Facility	Food Processing
Facility Location	138 S. Custer St, Glens Ferry
Legal Location	T5S, R10E, Sections 19 and 30
County	Elmore
USGS Quad	Glens Ferry
Soils on Site	Moderately alkaline, nonsaline, deep to moderately deep, well drained to moderately well drained loam with varying degrees of sand and gravel. Steady state infiltration rates are moderately slow to moderate. Soils have low to moderate water holding capacity.
Depth to Ground Water	7.42-47.63 feet bgs
Beneficial Uses of Ground Water	Industrial and Domestic
Nearest Surface Water	Little Canyon Creek, tributary to the Snake River (approximately 2 miles south)
Beneficial Uses of Surface Water	Agricultural, Industrial, Domestic, Recreation and Aquatic Life
Responsible Official	Mr. Leo Herbert Corporate Environmental Manager
Mailing Address	PO Box 130 Lewisville, ID 83350
Phone / Email	208-754-8194 / lherbert@Idahoan.com

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-007-01 Meeting Prior to startup	Schedule a meeting with the Department to discuss the planned operation and submittals or permit changes necessary prior to commencing operation of the land application system. Submit to the Department for review and approval a schedule for completing CA-007-02 and any submittals required as a result of the aforementioned meeting. If the clarifier will remain in use, it shall be repaired to fix all leaks prior to operation.
CA-007-02 Plan of Operation See CA-007-01	An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater treatment and reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and ensure proper operation of the wastewater treatment and reuse facility. At a minimum, the Plan of Operation shall specifically address the following items: • All sampling, monitoring and reporting requirements of this permit, and a description of approved sample collection methods, appropriate analytical methods, and companion quality assurance/quality control (QA/QC) protocols. • Operating procedures for periods of shutdown and low flows to the wastewater treatment and reuse system. • The Irrigation Water Requirements for the crops grown, in acre-in/acre and MG/month. Graphs are recommended. • Update the Odor Management Plan, including specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for and limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures. • Update the Waste Solids Management Plan. • A Buffer Zone Management plan, including how the programmed pivots maintain compliance with the buffer zone and NGS operational requirements in Section F, including any necessary operations management, observation, or periodic calibration. • A Runoff Management Plan.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-007-03 Seepage Test Plan due 6 months prior to permit expiration	A seepage test protocol shall be submitted 6 months prior to permit expiration. DEQ approval of the plan is required prior to conductance of the seepage test. The submitted seepage testing protocol shall define the approach and testing procedures to be used to conduct seepage testing of the lagoon, and shall be based upon methods approved for use by DEQ. Upon approval of the seepage testing protocol, testing shall be conducted in accordance with the approved protocol and results submitted for DEQ review and approval.
CA-007-04 Permit Renewal Application 6 months prior to permit expiration	Submit a permit renewal application to DEQ 6 months prior to permit expiration. Include in the renewal application a ground water impact analysis. The interpretation of ground water data shall include a review of any trends and identify any indication that the application site is impacting ground water.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Type of Wastewater	Industrial
Application Site Area	Growing Season: 346.3 Acres Non-Growing Season: 291.5 Acres
Application Season:	
Growing Season (GS)	April 1 to October 31
Non-growing Season (NGS)	November 1 to March 31
Reporting Year for Annual Loading Rates	November 1 to October 31 Annual Report due January 31 of following year.
Growing Season Hydraulic Loading Rate (Applies to the sum of wastewater effluent and supplemental irrigation water)	Substantially at the Irrigation Water Requirement (IWR).

F. Permit Limits and Conditions

Category	Permit Limits and Conditions																																																																																										
Non-Growing Season Maximum Hydraulic Loading Rate Limits	<table><tr><th>HMU No.</th><th>Pivot</th><th>Acres Irrigated</th><th>Million Gallons</th><th>Acre-Inches/ Acre</th></tr><tr><td>MU-000716</td><td>Pivot 1</td><td>37.0</td><td>8.64</td><td>8.6</td></tr><tr><td>MU-000717</td><td>Pivot 2-A</td><td>63.9</td><td>14.92</td><td>8.6</td></tr><tr><td>MU-000718</td><td>Pivot 2-AA</td><td>22.6</td><td>3.5</td><td>5.7</td></tr><tr><td>MU-000719</td><td>Pivot 2-DA</td><td>0.0</td><td>0.0</td><td>0.0</td></tr><tr><td>MU-000720</td><td>Pivot 3-A</td><td>96.9</td><td>21.05</td><td>8</td></tr><tr><td>MU-000721</td><td>Pivot 3-B</td><td>25.0</td><td>3.87</td><td>5.7</td></tr><tr><td>MU-000722</td><td>Pivot 4</td><td>20.2</td><td>4.39</td><td>8</td></tr><tr><td>MU-000723</td><td>Pivot 5</td><td>21.3</td><td>4.63</td><td>8</td></tr><tr><td>MU-000724</td><td>SBG-1</td><td>4.6</td><td>1.16</td><td>9.3</td></tr><tr><td>MU-000725</td><td>SBG-2</td><td>14.6</td><td>3.69</td><td>9.3</td></tr><tr><td>MU-000726</td><td>BG-1</td><td>15.5</td><td>3.91</td><td>9.3</td></tr><tr><td>MU-000727</td><td>BG-2</td><td>13.0</td><td>3.04</td><td>8.6</td></tr><tr><td>MU-000728</td><td>BG-3</td><td>14.1</td><td>2.18</td><td>5.7</td></tr><tr><td>MU-000729</td><td>HL-1</td><td>2.6</td><td>0.66</td><td>9.3</td></tr><tr><td>MU-000730</td><td>HL-2</td><td>6.2</td><td>1.35</td><td>8</td></tr><tr><td>MU-000731</td><td>HL-3</td><td>4.5</td><td>1.06</td><td>8.6</td></tr><tr><td>MU-000732</td><td>HL-4</td><td>4.6</td><td>1.07</td><td>8.6</td></tr></table>	HMU No.	Pivot	Acres Irrigated	Million Gallons	Acre-Inches/ Acre	MU-000716	Pivot 1	37.0	8.64	8.6	MU-000717	Pivot 2-A	63.9	14.92	8.6	MU-000718	Pivot 2-AA	22.6	3.5	5.7	MU-000719	Pivot 2-DA	0.0	0.0	0.0	MU-000720	Pivot 3-A	96.9	21.05	8	MU-000721	Pivot 3-B	25.0	3.87	5.7	MU-000722	Pivot 4	20.2	4.39	8	MU-000723	Pivot 5	21.3	4.63	8	MU-000724	SBG-1	4.6	1.16	9.3	MU-000725	SBG-2	14.6	3.69	9.3	MU-000726	BG-1	15.5	3.91	9.3	MU-000727	BG-2	13.0	3.04	8.6	MU-000728	BG-3	14.1	2.18	5.7	MU-000729	HL-1	2.6	0.66	9.3	MU-000730	HL-2	6.2	1.35	8	MU-000731	HL-3	4.5	1.06	8.6	MU-000732	HL-4	4.6	1.07	8.6
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		SBG-2, BG-1, BG-2, BG-3 are Phase 2 (future). HL-1, HL-2, HL-3, and HL-4 are Phase 3 (future). Approval of Plans and Specifications for these and any additional phases is required prior to use.																																																																																									
	Precision agricultural irrigation systems shall be used at pivots 2 and 3 to maintain compliance with the non-growing season land application area. The values shown for acres irrigated have been adjusted to reflect those non-irrigated areas, and are shown in Appendix 2, Site Map 2.																																																																																										
Runoff Control	Upon approval of the runoff management plan by DEQ, required in Section E, CA-007-02 of this permit, the permittee shall implement the plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.																																																																																										

F. Permit Limits and Conditions

Category	Permit Limits and Conditions								
Livestock Grazing	Prior to any grazing activities, a grazing management plan must be submitted to and approved by DEQ.								
Ground Water Quality	Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.								
Maximum COD Loading, lb/acre/day seasonal average, each HMU	50 lb/acre-day seasonal average (GS and NGS)								
Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU (from all sources including waste solids, supplemental irrigation water, and fertilizer)	150% of typical crop uptake (see definition)								
Construction Plans	Prior to construction or modification of any wastewater facilities associated with the reuse system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans to DEQ or submit a certification letter stating that all construction was done in substantial compliance with DEQ approved plans and specifications.								
Buffer Zones	Buffer zones from land application areas shall be provided as follows: <table border="1"> <tr> <td>• Dwellings</td><td>300 feet</td></tr> <tr> <td>• Public Access Areas</td><td>50 feet</td></tr> <tr> <td>• Natural surface water bodies</td><td>100 feet</td></tr> <tr> <td>• Man-made irrigation conveyances</td><td>50 feet</td></tr> </table> BMPs to prevent runoff from the site shall be used in the buffer zones around all areas where runoff to surface water may occur.	• Dwellings	300 feet	• Public Access Areas	50 feet	• Natural surface water bodies	100 feet	• Man-made irrigation conveyances	50 feet
• Dwellings	300 feet								
• Public Access Areas	50 feet								
• Natural surface water bodies	100 feet								
• Man-made irrigation conveyances	50 feet								

F. Permit Limits and Conditions

Category	Permit Limits and Conditions				
Wellhead Protection	Buffer zones from land application areas shall be maintained for wellhead protection: <table border="1"> <tr> <td>• Domestic Water Supplies</td><td>500 feet</td></tr> <tr> <td>• On-site Monitoring Wells</td><td>50 feet</td></tr> </table> Berms and other BMPs shall be used to protect wellheads of all onsite wells.	• Domestic Water Supplies	500 feet	• On-site Monitoring Wells	50 feet
• Domestic Water Supplies	500 feet				
• On-site Monitoring Wells	50 feet				
Industrial Wastewater Buffer Zones	All buffer zones must comply with, at a minimum, local zoning ordinances.				
Supplemental Irrigation Water Protection	DEQ-approved backflow prevention devices are required for wastewater and fresh irrigation interconnections.				
Odor Management	The wastewater treatment plant, reuse facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan.				
Fencing and Posting	Chain-link fencing and warning signs are required around the process water storage pond. Signs should read "Wastewater Storage Facility – Keep Out" or equivalent.				

G. Monitoring Requirements

The Permittee is allowed to apply wastewater and treat it on a reuse site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1. Appropriate analytical methods, as given in the *Idaho Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
2. The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.
3. Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4. Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown.
5. If the soil management unit is less than 15 acres, use 5 sample locations per management unit. If the soil management unit is greater than 15 acres, use 10 sample locations per management unit. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each management unit, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. Soil monitoring will only be required on active HMU's (i.e. those receiving wastewater during the monitoring period). However, once soil monitoring has begun on any management unit, soil monitoring will be required thereafter regardless of wastewater activity.
6. Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
7. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
8. Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily	Effluent to reuse	Flow Meter	Volume (million gallons and acre-inches) to each hydraulic management unit (HMU), record monthly and report annually
Monthly	Effluent to reuse WW-007003	Reuse water quality – 24-hr. Composite	Chemical Oxygen Demand (COD), Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen (NH ₃ -N), Nitrite + Nitrate-Nitrogen, Total Phosphorous, Chloride, Electrical Conductivity, Potassium, pH
Quarterly	Effluent to reuse WW-007003	Reuse water quality – 24-hr Composite	Total Dissolved Inorganic Solids (TDIS). Submit analysis of individual ions in addition to TDIS.
Quarterly (for the first year of application only)	Effluent to reuse WW-007003	Reuse water quality – 24-hr. Composite	Total Dissolved Solids (TDS), Volatile Dissolved Solids (VDS)
Daily	Supplemental Irrigation Water flow rate	Flow Meter or Calibrated Pump Rate	Volume (million gallons and acre-inches) to each HMU, record monthly and report annually.
Twice per year (May and Oct)	Supplemental Irrigation at diversions	Grab sample	Nitrate + Nitrite-Nitrogen, Total Phosphorous, Chloride, Total Dissolved Solids (TDS), Volatile Dissolved Solids (VDS), Chemical Oxygen Demand (COD), Total Kjeldahl Nitrogen (TKN)
Daily during NGS	Meteorological data and field conditions	Temperature, Precipitation, and field conditions.	High and low air temperatures and precipitation during each 24-hour period. Field conditions observations for areas of ponding, etc.

G. Monitoring Requirements

Quarterly (Feb, May, Aug, and Nov)	Ground Water monitoring wells, listed in Appendix 1 (except GW- 000719)	See Note 6	Nitrate-Nitrogen, Total Phosphorous, Total Dissolved Solids (TDS), Chemical Oxygen Demand (COD), Total Iron, Total Manganese, Chloride, Sulfate, Dissolved Iron ¹ , Dissolved Manganese ¹ , pH, Conductivity, Temperature, Water Table Elevation, and Water Table Depth.
Quarterly (Feb, May, Aug, and Nov)	Onsite Domestic Well GW-000719	See Note 6	Nitrate-Nitrogen, Ortho Phosphorous, Total Dissolved Solids (TDS), Chemical Oxygen Demand (COD), Total Iron, Total Manganese, Chloride, Sulfate, Dissolved Iron ¹ , Dissolved Manganese ¹ , pH, Conductivity, and Temperature.
Annually in November	Domestic wells within ¼ mile of all application acreage	Grab sample from domestic wells (With owner's permission)	Nitrate-Nitrogen, Ortho Phosphorous, Total Dissolved Solids (TDS), Chemical Oxygen Demand (COD), Total Iron, Total Manganese, Chloride, Sulfate, Dissolved Iron ¹ , Dissolved Manganese ¹ , pH, Conductivity, and Temperature.
First and last years of permit - April	Ground water Monitoring Wells listed in Appendix 1	Grab sample of ground water (See Note 6)	Sodium, Potassium, Calcium, Magnesium, Carbonate, Bicarbonate
Twice per year (April and October)	Each soil monitoring unit	See note 5	Electrical Conductivity, Nitrate- Nitrogen, Ammonium Nitrogen, Plant Available Phosphorus, pH, Potassium, DTPA Fe, and DTPA Mn. Phosphorous – use Olsen method for soils with pH 6.5 or higher. Use Bray method if soil pH is <6.5.
First year of permit - April	Each soil monitoring unit	See note 5	Percent Organic Matter, Soil Adsorption Ratio (SAR)

G. Monitoring Requirements

Annually	Each HMU	Crop farming procedures and yield	Pounds/acre and total pounds per HMU (specify moisture basis) Report the dates of planting, cropping, and fallow periods.
	Each HMU	Plant tissue analysis: Composite sample of harvested portion, each HMU	Nitrate-nitrogen, Total Kjeldahl Nitrogen, Total Phosphorus, ash (dry basis)
	Each HMU	Calculate crop nitrogen, phosphorous, and ash removal	Pounds/acre and total pounds per HMU (dry basis)
	Each HMU	Calculate NGS wastewater loading rate	Million gallons & Inches/NGS
	Each HMU	Calculate GS wastewater loading rate	Million gallons & Inches/GS Plot IWR and Hydraulic Loading in acre-in/mo
	Each HMU	Calculate seasonal average COD loading rate (GS and NGS)	Pounds/acre-day
	Each HMU	Calculate wastewater nitrogen loading rate	Pounds/acre-year
	Each HMU	Calculate wastewater phosphorous loading rate	Pounds/acre-year
	Each HMU	Report nitrogen and phosphorous fertilizer application rates	Pounds/acre-year, include calculation
	Each HMU	Calculate wastewater TDIS loading rate	Pounds/acre-year
	Each HMU	Calculate Inorganic Dissolved Solids loading (NVDS) from supplemental irrigation application.	NVDS applied in Pounds/acre-year

G. Monitoring Requirements

Annually	All flow measurement locations.	Flow measurement calibration of all flows to reuse.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all wastewater, tail water, flushing water, and supplemental irrigation water flows applied to each HMU.
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1. Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed the standards in IDAPA 58.01.11.200.01.b.

H. Standard Reporting Requirements

1. The Permittee shall submit an Annual Wastewater-Reuse Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
2. The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter 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.
3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.
5. All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) 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 U.S. Environmental Protection Agency.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall:
 - a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
 - b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. 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 at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing 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.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page

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I. Standard Permit Conditions: Procedures and Reporting

Emergency 24 Hour Number: 1-800-632-8000

- d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
 - i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
- 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.
- 9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
- 10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within 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 regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Wastewater Reuse Permit Regulations, 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.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.
7. 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 request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code, 67-5247, 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, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.
9. 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. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	GS Acres	NGS Acres*
MU-000716	Pivot 1	41.3	37.0
MU-000717	Pivot 2-A	73.4	63.9
MU-000718	Pivot 2-AA	25.4	22.6
MU-000719	Pivot 2-DA	10.8	0.0
MU-000720	Pivot 3-A	111.2	96.9
MU-000721	Pivot 3-B	27.6	25.0
MU-000722	Pivot 4	27.1	20.2
MU-000723	Pivot 5	24.9	21.3
MU-000724	SBG-1	4.6	4.6
MU-000725	SBG-2	14.6	14.6
MU-000726	BG-1	15.5	15.5
MU-000727	BG-2	13.0	13.0
MU-000728	BG-3	14.1	14.1
MU-000729	HL-1	2.6	2.6
MU-000730	HL-2	6.2	6.2
MU-000731	HL-3	4.5	4.5
MU-000732	HL-4	4.6	4.6

*See Site Map 2.

LAGOONS

Serial Number	Description
LG-000701	Wastewater storage lagoon.

Appendix 1
Environmental Monitoring Serial Numbers

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-000716	Pivot 1	MU-000716
SU-000717	Pivot 2-A	MU-000717
SU-000718	Pivot 2-AA	MU-000718
SU-000719	Pivot 2-DA	MU-000719
SU-000720	Pivot 3-A	MU-000720
SU-000721	Pivot 3-B	MU-000721
SU-000722	Pivot 4	MU-000722
SU-000723	Pivot 5	MU-000723
SU-000724	SBG-1	MU-000724
SU-000725	SBG-2	MU-000725
SU-000726	BG-1	MU-000726
SU-000727	BG-2	MU-000727
SU-000728	BG-3	MU-000728
SU-000729	HL-1	MU-000729
SU-000730	HL-2	MU-000730
SU-000731	HL-3	MU-000731
SU-000732	HL-4	MU-000732

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-000703	Effluent to land application system.

Appendix 1
Environmental Monitoring Serial Numbers

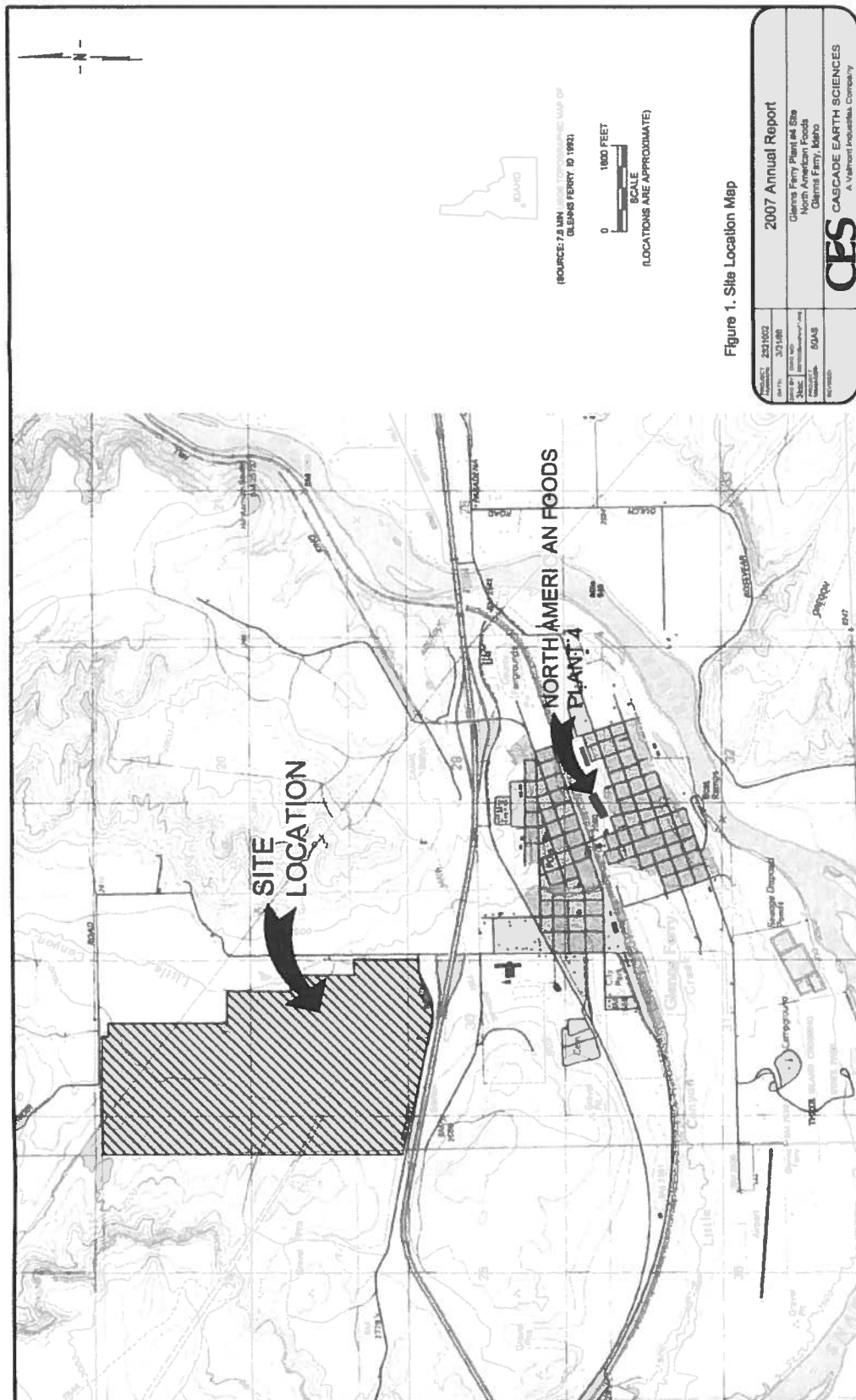
GROUND WATER MONITORING

Serial Number	Description
GW-000710	Up-gradient MW-1S
GW-000711	Down-gradient MW-3D
GW-000712	Down-gradient MW-3S
GW-000713	Down-gradient MW-4S
GW-000714	Down-gradient MW-5S
GW-000715	Up-gradient MW-6S
GW-000716	Up-gradient MW-7S
GW-000717	Down-gradient MW-8D
GW-000718	Down-gradient MW-8S
GW-000719	Onsite Domestic Well (Farm Well)

SURFACE WATER SAMPLING POINTS

Serial Number	Description
SW-000701	Supplemental irrigation water supply from the King Hill Water District.

Appendix 2 Site Maps



LEGEND

SOIL TYPE DELINEATION	PIVOT	WELL
① MW-4S	AA	WATERMETER
	AB	WATERMETER
	AC	WATERMETER
	AD	WATERMETER
	AE	WATERMETER
	AF	WATERMETER
	AG	WATERMETER
	AH	WATERMETER
	AI	WATERMETER
	AJ	WATERMETER
	AK	WATERMETER
	AL	WATERMETER
	AM	WATERMETER
	AN	WATERMETER
	AO	WATERMETER
	AP	WATERMETER
	AQ	WATERMETER
	AR	WATERMETER
	AS	WATERMETER
	AT	WATERMETER
	AU	WATERMETER
	AV	WATERMETER
	AW	WATERMETER
	AX	WATERMETER
	AY	WATERMETER
	AZ	WATERMETER
	BA	WATERMETER
	BB	WATERMETER
	BC	WATERMETER
	BD	WATERMETER
	BE	WATERMETER
	BF	WATERMETER
	BG	WATERMETER
	BH	WATERMETER
	BI	WATERMETER
	BJ	WATERMETER
	BK	WATERMETER
	BL	WATERMETER
	BM	WATERMETER
	BN	WATERMETER
	BO	WATERMETER
	BP	WATERMETER
	BQ	WATERMETER
	BR	WATERMETER
	BS	WATERMETER
	BT	WATERMETER
	BU	WATERMETER
	BV	WATERMETER
	BW	WATERMETER
	BX	WATERMETER
	BY	WATERMETER
	BZ	WATERMETER
	CA	WATERMETER
	CB	WATERMETER
	CC	WATERMETER
	CD	WATERMETER
	CE	WATERMETER
	CF	WATERMETER
	CG	WATERMETER
	CH	WATERMETER
	CI	WATERMETER
	CJ	WATERMETER
	CK	WATERMETER
	CL	WATERMETER
	CM	WATERMETER
	CN	WATERMETER
	CO	WATERMETER
	CP	WATERMETER
	CQ	WATERMETER
	CR	WATERMETER
	CS	WATERMETER
	CT	WATERMETER
	CU	WATERMETER
	CV	WATERMETER
	CW	WATERMETER
	CX	WATERMETER
	CY	WATERMETER
	CZ	WATERMETER
	DA	WATERMETER
	DB	WATERMETER
	DC	WATERMETER
	DD	WATERMETER
	DE	WATERMETER
	DF	WATERMETER
	DG	WATERMETER
	DH	WATERMETER
	DI	WATERMETER
	DJ	WATERMETER
	DK	WATERMETER
	DL	WATERMETER
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	DN	WATERMETER
	DO	WATERMETER
	DP	WATERMETER
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	EG	WATERMETER
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	EI	WATERMETER
	EJ	WATERMETER
	EK	WATERMETER
	EL	WATERMETER
	EM	WATERMETER
	EN	WATERMETER
	EO	WATERMETER
	EP	WATERMETER
	EQ	WATERMETER
	ER	WATERMETER
	ES	WATERMETER
	ET	WATERMETER
	EU	WATERMETER
	EV	WATERMETER
	EW	WATERMETER
	EX	WATERMETER
	EY	WATERMETER
	EZ	WATERMETER
	FA	WATERMETER