

A. Permit Certificate

**INDUSTRIAL
WASTEWATER REUSE PERMIT
LA-000010-05**

**Idahoan Foods, LLC, Lewisville Facility, LOCATED AT P.O. Box 130,
529 North 3500 East, Lewisville, Idaho 83431 AND IN T4N R38E
Sections 1, 2 & 3 and T5N R38E Sections 35 & 36 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
March 11, 2015.**



Erick Neher
Idaho Falls Regional Administrator
Idaho Department of Environmental Quality

Date Issued: 3-12-10

**DEPARTMENT OF ENVIRONMENTAL QUALITY
900 North Skyline, Suite B, Idaho Falls, Idaho 83402
(208) 528-2650**

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

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Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (See Section E, CA-011-01)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000011-05 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.

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C. Abbreviations, Definitions

BMP or BMP's	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)
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
Guidance	Guidance for the Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to reuse 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)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
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
Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse 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 2000 Reporting Year was November 01, 1999 through October 31, 2000.
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the reuse treatment site.
SMU	Soil Monitoring Unit (Serial Number designation is SU)
TDS	Total Dissolved Solids or Total Filterable Residue
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
WW	Wastewater applied to the reuse treatment site

D. Facility Information

Legal Name of Permittee	Idahoan Foods, LLC
Type of Wastewater	Industrial – Food Processing.
Method of Treatment	Slow Rate Land Application
Type of Facility	Potato Processing (dehydration)
Facility Location	529 North 3500 East Lewisville, Idaho 83431 Elevation: 4815 feet
Legal Location	Approximately 2 miles east of Lewisville. T4N R38E Sections 1, 2, 3 T5N R38E Sections 35, 36
County	Jefferson
USGS Quads	Lewisville, Rigby
Soils on Site	Annis Silty Clay Loam, Blackfoot Silt Loam, Hayeston Sandy Loam, Hayeston Gravelly Sandy Loam, Hayeston Loam, Heiseton Sandy Loam, Heiseton Loam, Labenzo Silt Loam, Xeric Torrifluent
Depth to Ground Water	5 – 15 feet, generally westward direction of flow (260 – 280 deg.)
Beneficial Uses of Ground Water	Agricultural, Industrial, Domestic
Nearest Surface Water	Dry Bed Canal
Beneficial Uses of Surface Water	Great Western Canal – Agriculture
Responsible Official	Mr. Sam Huffman, Vice President of Operations
Mailing Address	Idahoan Foods, LLC P.O. Box 130 Lewisville, ID 83431 Tel: (208) 754-4686 Fax: (208) 754-0094
Phone / Fax	
Facility Contact	Mr. Leo Herbert, Corporate Environmental Manager
Mailing Address	Idahoan Foods, LLC P.O. Box 130 Lewisville, ID 83431 Tel: (208) 754-8194 Fax: (208) 754-8193
Phone / Fax	

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-011-01 Within twelve (12) months of permit issuance	<p>An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. At a minimum, the Plan of Operation shall specifically address the following items:</p> <ul style="list-style-type: none"> • The operation and maintenance of all wastewater components from the production plant to the reuse fields including: pumps, clarifiers, centrifuges, mud pits, transmission lines, pump stations, sumps, pivots, big-guns, drainage guns, control systems, valves, flow meters, backflow devices and testing, meter calibrations, valve exercising, etc. • Quality Assurance / Quality Control as described within a Quality Assurance Project Plan (QAPP), including all sampling, monitoring and reporting requirements of this permit and a description of the following: laboratory analytical methods, detection limits and other activities; data verification and validation; data storage, retrieval and assessment; and monitoring program evaluation and improvement. • Runoff Management including control structures and/or other BMP's (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater reuse to property not owned by Idahoan Foods, LLC except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climatic Center (WRCC) Precipitation Frequency Map, Figure 28 'Isopluvials of 25-YR, 24-HR Precipitation.' For this site, the 25-year, 24-hour event is 1.8 inches • Odor Management, 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 for responding to and correcting an odor incident if one occurs, including officials responsible for recording and acting upon odor complaints, investigation procedures, corrective action implementation, notification and documentation procedures for both facility management, the complainant, and DEQ. • Buffer Zones and Wellhead Protection including the requirements set forth in Section F. of this permit. • Waste Solids Management including mud pit dredging, transportation, and disposal of tare dirt, rocks, vines, cull potatoes, etc. • Grazing Management. • Crop rotations, harvesting, irrigation rates and fertilizer requirements

F. Permit Limits and Conditions

Category	Permit Limits and Conditions																																								
Type of Wastewater	Industrial – Potato Processing (dehydration)																																								
Application Site Area	499.6 acres consisting of those Hydraulic Management Units (HMU's) listed in Appendix 1 of this permit.																																								
Application Season	Year-Round																																								
Growing Season (GS)	April 1 st through October 31 st (214 days)																																								
Non-growing Season (NGS)	November 1 st through March 31 st (151 days)																																								
Reporting Year for Annual Loading Rates	November 1 st through October 31 st																																								
Growing Season Maximum Hydraulic Loading Rate (Applies to wastewater and supplemental irrigation water).	<p>Growing Season (GS) Hydraulic Loading Rate shall be substantially equal to the Irrigation Water Requirement (IWR) based upon the most current crop-specific Precipitation Deficit (Pdef) data from the 'Idaho Falls FAA Airport' (NWS NOAA station 104457) weather station available at http://www.kimberly.uidaho.edu/ETIdaho/stninfo.php?station=104457</p> <p>The IWR shall be calculated by dividing the crop-specific Pdef, determined above, by the specific irrigation efficiency (Ei) of each HMU as follows:</p> $IWR = Pdef / Ei$ <p>The Irrigation Efficiencies to be used are 55% for Big-Guns and 80% for Center Pivots.</p>																																								
Non-Growing Season Maximum Hydraulic Loading Rate (Applies to wastewater and supplemental irrigation water).	<p>The maximum NGS hydraulic loading rate to the reuse site shall not exceed a total of 96.50 million gallons. The maximum NGS loading to each HMU is as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">HMU</th> <th style="text-align: left;">Field</th> <th style="text-align: left;">(MG)</th> <th style="text-align: left;">(inches)</th> </tr> </thead> <tbody> <tr> <td>MU-001101</td> <td>Smith</td> <td>3.20</td> <td>4.2</td> </tr> <tr> <td>MU-001102</td> <td>Main</td> <td>17.67</td> <td>4.8</td> </tr> <tr> <td>MU-001104</td> <td>Dansie</td> <td>5.84</td> <td>6.2</td> </tr> <tr> <td>MU-001105</td> <td>E. Hedelius</td> <td>7.54</td> <td>9.4</td> </tr> <tr> <td>MU-001106</td> <td>W. Hedelius</td> <td>4.67</td> <td>10.4</td> </tr> <tr> <td>MU-001107</td> <td>E. Becker</td> <td>17.46</td> <td>7.3</td> </tr> <tr> <td>MU-001108</td> <td>W. Becker</td> <td>12.38</td> <td>8.3</td> </tr> <tr> <td>MU-001109</td> <td>Jones</td> <td>26.84</td> <td>8.9</td> </tr> <tr> <td colspan="2" style="text-align: left;">Total:</td> <td colspan="2" style="text-align: right;">96.50 Million Gallons</td> </tr> </tbody> </table>	HMU	Field	(MG)	(inches)	MU-001101	Smith	3.20	4.2	MU-001102	Main	17.67	4.8	MU-001104	Dansie	5.84	6.2	MU-001105	E. Hedelius	7.54	9.4	MU-001106	W. Hedelius	4.67	10.4	MU-001107	E. Becker	17.46	7.3	MU-001108	W. Becker	12.38	8.3	MU-001109	Jones	26.84	8.9	Total:		96.50 Million Gallons	
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Total:		96.50 Million Gallons																																							

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Maximum Nitrogen Loading Rate, each HMU (from all sources including waste solids and supplemental fertilizers)	150% of Typical Crop Uptake
Maximum COD Loading, each HMU (seasonal averages)	<p><u>Growing Season:</u> 50 lb/ac-day, all HMU's.</p> <p><u>Non-Growing Season:</u></p> <ul style="list-style-type: none"> • 50 lb/ac-day on sprinkler-irrigated HMU's. • 35 lb/ac-day on flood-irrigated HMU's.
Runoff Control	Runoff shall be managed in accordance with the most recent Runoff Control procedures approved by DEQ.
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. Odors shall be managed and controlled in accordance with the most recent Odor Management procedures approved by DEQ.
Waste Solids Management	All waste solids including, but not limited to, the dredging, transportation and disposal of silt, tare, culls, rocks, vines, mud, sludges, etc. shall be managed to meet the requirements of Section I, Item #5 of this permit. Waste Solids shall be managed in accordance with the most recent Waste Solids Management procedures approved by DEQ.
Livestock Grazing	Livestock Grazing shall be managed in accordance with the most recent Grazing Management procedures approved by DEQ.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Buffer Zones and Wellhead Protection	<p>All buffer zones must comply with, at a minimum, local zoning ordinances. Other minimum buffer zones are as follows:</p> <ul style="list-style-type: none"> • 1,000 feet between reuse sites and public water supply wells • 500 feet between reuse sites and private water supply wells • 300 feet between reuse sites and inhabited dwellings • 100 feet between reuse sites and permanent and intermittent surface water • 50 feet between reuse sites and irrigation ditches and canals • 50 feet between reuse sites and areas accessible by the public • Berms and other BMP's shall be used to protect the well head of on-site wells <p>Any mitigation measures to reduce buffer zone distances shall be submitted to and approved by DEQ prior to use.</p> <p>Buffer Zones shall be maintained and managed in accordance with the most recent Buffer Zone and Wellhead Protection requirements and procedures approved by DEQ.</p>
Quality Assurance / Quality Control (QA/QC)	Quality Assurance and Quality Control for monitoring and operations required in this permit shall be managed in accordance with the most recent QA/QC or QAPP procedures approved by DEQ.
Ground Water Quality	Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.
Construction Plans	Prior to construction or modification of all 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.
Backflow Prevention	For systems with wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required to be installed, operational, and tested as appropriate to ensure continued successful operation of the device. Annual testing results and corrective actions shall be reported within the Annual Report.
Fencing and Posting	Not required.

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 Quality Assurance Project Plan (QAPP) within the Plan of Operation (See Section E, CA-011-01).
- 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 show in the table below if wastewater is applied anytime during the time period shown.
- 5) Ten (10) soil sample locations shall be selected for each management unit with greater than fifteen acres and Five (5) soil sample locations shall be selected for each management unit with fifteen acres or less. 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.
- 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".

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G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily	Flow meter	Wastewater Volume to reuse system	Volume (million gallons), Record daily, compile monthly.
Daily	Flow meter(s)	Wastewater applied to each HMU	Volume (million gallons and inches), Record daily, compile monthly.
Daily	Flow meter(s)	Supplemental Irrigation applied to each HMU	Volume (million gallons and inches), Record daily, compile monthly.
Monthly	Effluent to reuse	Wastewater quality into reuse system – 24-hr. Composite sample.	Chemical Oxygen Demand, Total Kjeldahl Nitrogen, Ammonia-Nitrogen, Nitrate-Nitrogen, Total Phosphorous, Total Dissolved Solids, Volatile Dissolved Solids, Non-Volatile Dissolved Solids, Electrical Conductivity, pH
Monthly During Growing Season	Each HMU	Irrigation Water Requirement (IWR) for each crop type	Calculate the IWR Volume (million gallons and inches) required for each crop, each HMU. Compile monthly.
Once per year (July)	Supplemental Irrigation at diversions	Grab sample	Total Nitrogen, Total Phosphorous, Total Dissolved Solids, Volatile Dissolved Solids, Non-Volatile Dissolved Solids
Twice per year (April and Oct)	Each Soil Monitoring Unit	See note 5	Electrical Conductivity, pH, Nitrate-Nitrogen, Ammonium-Nitrogen, Plant Available Phosphorus (Olsen Method), Plant Available Potassium, % Organic matter, DTPA Fe and Mn, Sodium Adsorption Ratio.
Three (3) Times Per Year (Mar, Jul, Oct)	Ground Water monitoring wells, listed in appendix 1	See Note 6	Water Table Elevation, Water Table Depth, Specific Conductivity, Temperature, pH, Nitrate-Nitrogen, Total Phosphorous, Total Dissolved Solids, Chloride, Sulfate-Sulfur, Total Iron, Total Manganese, Dissolved Iron ¹ , Dissolved Manganese ¹ .

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Each Harvest or Cutting	Each HMU	Crop type and yield, each crop, each harvest, on each HMU	Tons/acre, Bushels/acre, etc. as appropriate and Pounds/Acre. Report both Wet- and Dry-Basis. Maintain and submit documentation of each cutting and harvest with each annual report including truck weight receipts, bale counts, bushels, etc., including signed statements from all personnel responsible for the harvest.
Each Harvest or Cutting	Each HMU	Plant tissue analysis: Composite sample of harvested portion for each crop, each harvest, on each HMU	Nitrate-Nitrogen (ppm, dry basis), Total Kjeldahl Nitrogen (% dry basis), Total Phosphorus (% dry basis), Ash (% dry basis)
Each Harvest or Cutting	Each HMU	Calculate crop nitrogen, phosphorous, and ash removal for each crop, each harvest, on each HMU	Pounds/Acre and Total Pounds per HMU (dry basis)
Annually	Each HMU	Calculate Wastewater Loading Rates	Volume (MG and inches) to each HMU. Report Monthly, Seasonal (GS, NGS), and Annual totals.
Annually	Each HMU	Calculate Supplemental Irrigation Loading Rates	Volume (MG and inches) to each HMU. Report Monthly, Seasonal (GS, NGS), and Annual totals.
Annually	Each HMU	Calculate seasonal average COD loading rate (GS and NGS)	Pounds/acre-day
Annually	Each HMU	Calculate wastewater nitrogen loading rate	Pounds/Acre. Report Monthly, Seasonal (GS, NGS), and Annual Totals
Annually	Each HMU	Calculate wastewater phosphorous loading rate	Pounds/Acre. Report Monthly, Seasonal (GS, NGS), and Annual Totals
Annually	Each HMU	Calculate wastewater NVDS loading rate	Pounds/Acre. Report Monthly, Seasonal (GS, NGS), and Annual Totals

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Annually	Each HMU	Report Fertilizer Nitrogen and Phosphorus application rates	Type, Fertilizer Guarantee, and Pounds/acre for each application.
Annually	Ground Water monitoring wells, listed in appendix 1	Ground Water Contour Mapping	Submit Ground Water Contour Maps within the Annual Report for each ground water monitoring event during the Reporting Year (3 monitoring events = 3 contour maps per year).
Annually	All Backflow Assembly Devices Connected to the Wastewater Reuse System	Backflow testing	Document and submit to DEQ (in the Annual Report) the testing results of all Backflow Assembly Devices connected to the wastewater distribution system(s). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device was re-tested and confirmed to be operating correctly.
First Year of Permit, and after replacement or modification of Meter and/or associated piping	All flow measurement locations.	Flow measurement calibration of all flows to reuse.	Document the flow measurement calibration of all flow meters and pumps used to directly or indirectly measure all wastewater, tail water, flushing water, and supplemental irrigation water flows applied to each HMU. Submit the calibration testing and results to DEQ within the Annual Report.

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.

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

- 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.

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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)

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I. Standard Permit Conditions: Procedures and Reporting

DEQ Regional Office: see Permit Certificate Page
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- 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.

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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.

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Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-001101	Smith	28.4
MU-001102	Main	136.1
MU-001104	Dansie	34.9
MU-001105	East Hedelius	29.5
MU-001106	West Hedelius	16.5
MU-001107	East Becker	87.7
MU-001108	West Becker	55.2
MU-001109	Jones	111.3
	Total Permitted Acreage:	499.6

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-001101	Wastewater Effluent Prior to Land Application system

SURFACE WATER SAMPLING POINTS

Serial Number	Description
SW-001101	Supplemental Irrigation Water at Diversion to Reuse Site.

Appendix 1
Environmental Monitoring Serial Numbers

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-001101	Smith	MU-001102
SU-001102	Upper, North & South Main	MU-001102
SU-001103	Lower Main	MU-001102
SU-001104	Dansie	MU-001104
SU-001105	East Hedelius	MU-001105
SU-001106	West Hedelius	MU-001106
SU-001107	East Becker	MU-001107
SU-001108	West Becker	MU-001108
SU-001109	Jones	MU-001109

** The Main Farm consists of one HMU split into two SMU's.

GROUND WATER MONITORING

Serial Number	Description	Location
GW-001001	MW-1	05N 38E 35dda01
GW-001002	MW-2	04N 38E 02bab01
GW-001003	MW-3	04N 38E 03adc01
GW-001004	MW-4	04N 38E 03aab01
GW-001004	MW-5	05N 38E 36cca01
GW-001004	MW-6	04N 38E 02aac01
GW-001004	MW-7	04N 38E 03dbc01
GW-001004	MW-8	04N 38E 01bba01
GW-001005	MW-9	04N 38E 01bca01

Appendix 2
Site Maps

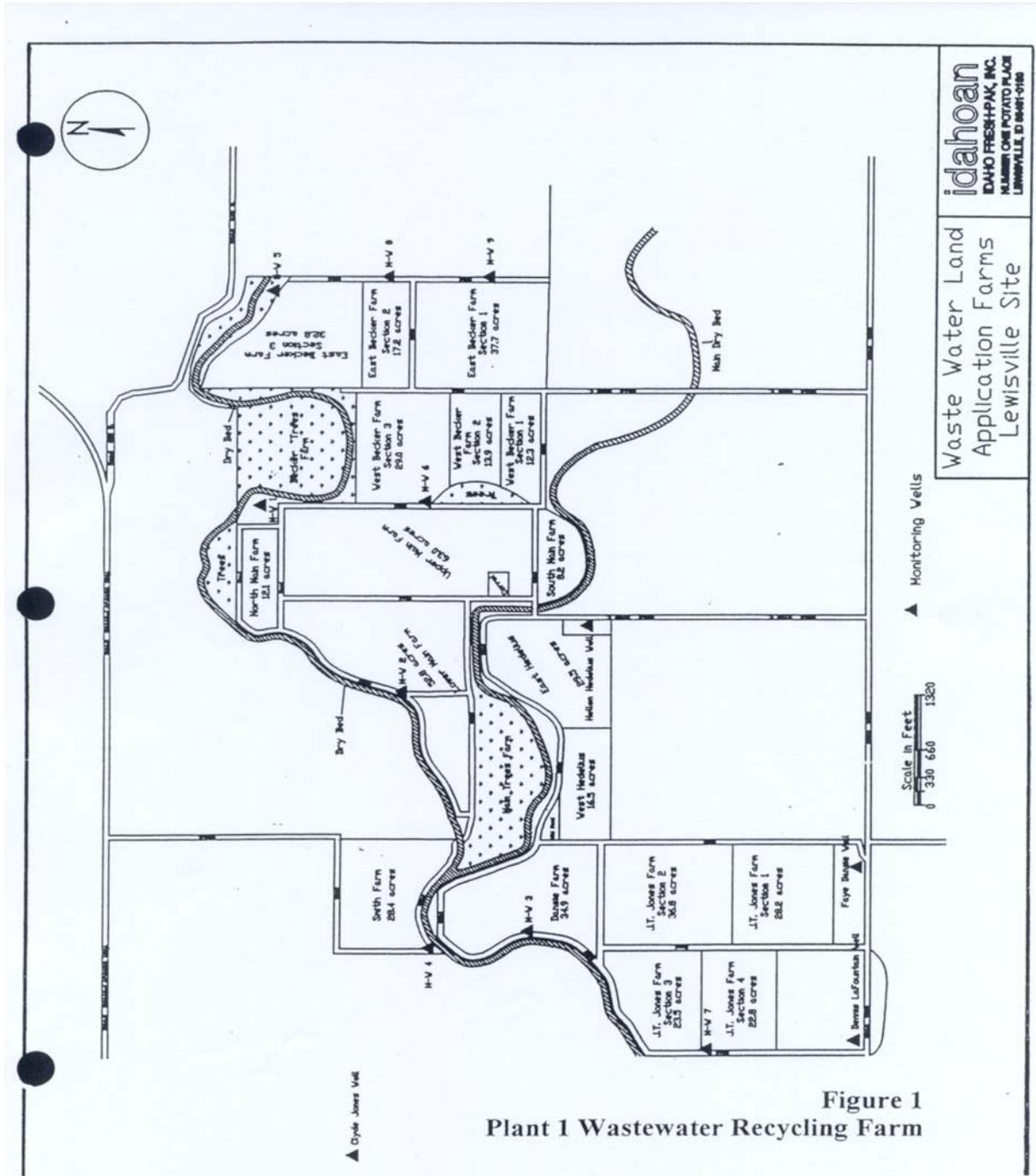


Figure 1
Plant 1 Wastewater Recycling Farm

idahoan
IDAHO FRESHPAK, INC.
MAMMOT ONE POTATO PLACE
LEWISVILLE, ID 83441-0180

Waste Water Land
Application Farms
Lewisville Site

Appendix 2
Site Maps

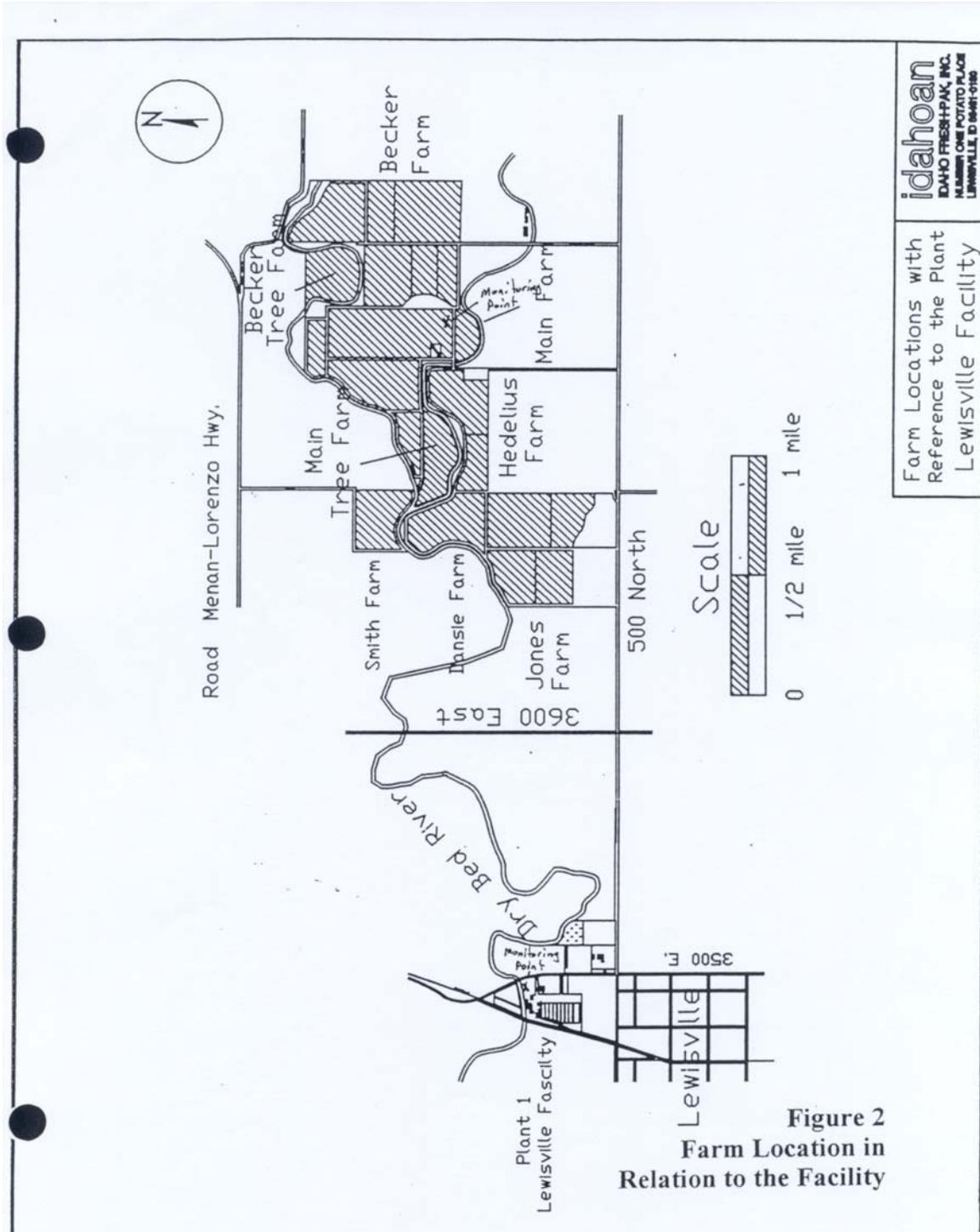
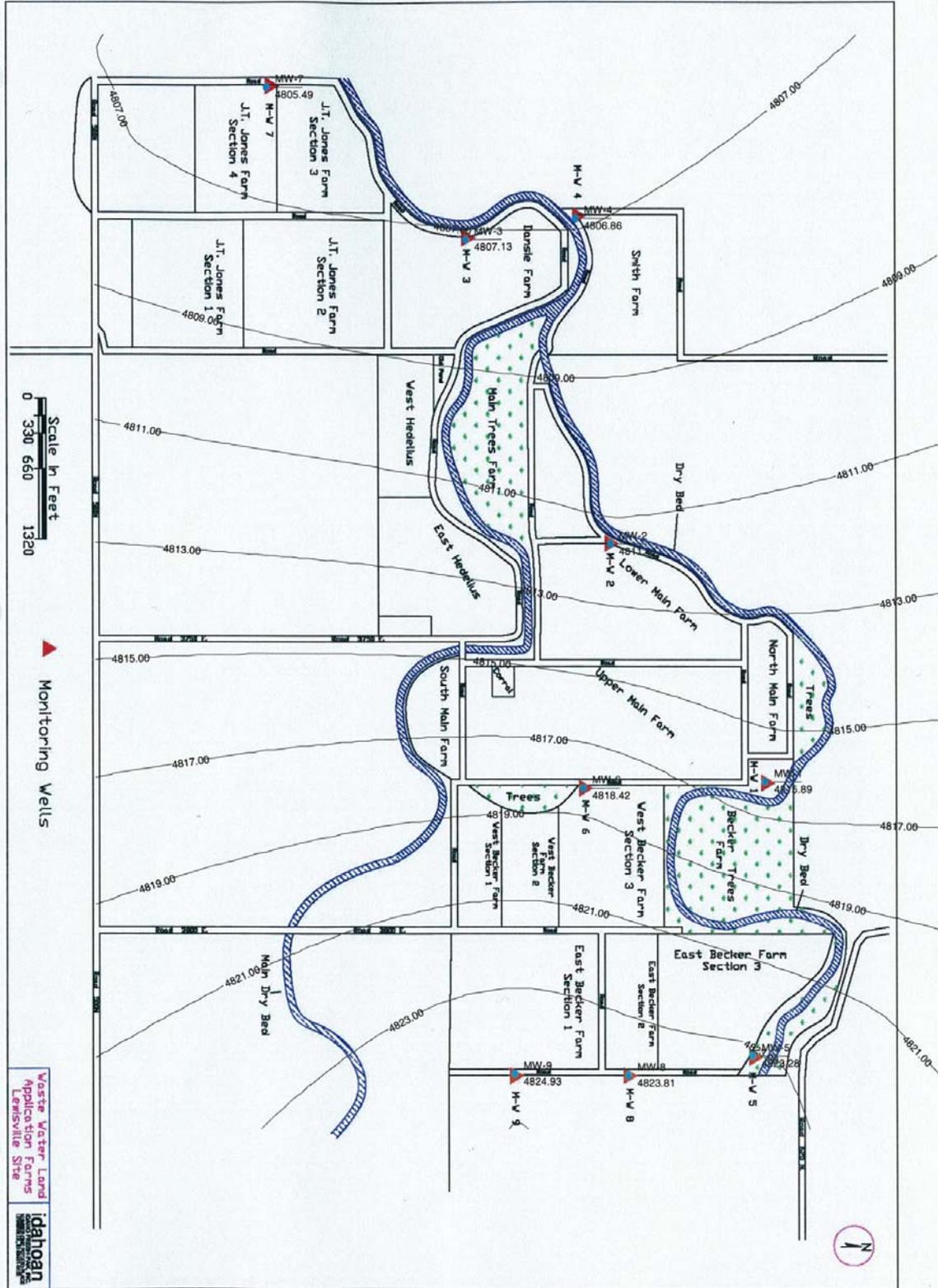


Figure 2
Farm Location in
Relation to the Facility

idahoan
IDAHO FRESH-PAK, INC.
MEMBER ONE POTATO PLACE
LEWISVILLE, ID 83401-0180

Farm Locations with
Reference to the Plant
Lewisville Facility

Appendix 2 Site Maps



Note: This ground water contour map is a general representation of the typically westward direction of flow throughout the year. Flow direction varies between 260 – 280 degrees.

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