

MODIFICATION OF LAND APPLICATION PERMIT  
APPENDIX "3" TO PERMIT No. LA-000055-03

PERMITTEE NAME: IOWA BEEF PROCESSORS, INC.

EFFECTIVE DATE  
OF THIS MODIFICATION: JUNE 10, 1999

A Complete Description of the Modification:

I. Page 2 of 29 -- Section B. Permit Contents, Appendices and Attachments:

1. Section B. Permit Contents, Appendices and Attachments hereby adds Appendix Number 3 as pages 30-33 to the Table of Contents.

II. Page 3 of 29 -- Section C. Facility Information:

1. Section C, Item entitled "Total Acres Irrigated with Wastewater" is hereby changed to *824 acres*.

III. Page 5 of 29 -- Section D. Site Specific Permit Conditions:

1. Section D, Item entitled "Total Acres Irrigated with Wastewater" is hereby changed to the following language:

*824 acres: South Land Application Site - 313 acres, Central Land Application Site - 203 acres, and North Land Application Site - 308 acres*

2. Section D, Item entitled "Maximum Hydraulic Loading for Non-growing Season" Wheel Lines 1 & 2 is hereby changed to *Wheel Lines 1 & 2 = 4.71 ac-in/acre (3.51 MG/MU\*)*. All other language in Maximum Hydraulic Loading for Non-growing Season shall remain the same.

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IV. Pages 8-12 -- Section E. Monitoring Requirements :

1. Page 8 of 29 -- Section E. Monitoring Requirements, Item 7 is hereby changed and shall read as follows:
  - 7) The monitoring wells shall be purged a minimum of three (3) casing volumes prior to obtaining a sample of the ground water. *On dedicated ground water monitoring wells and private domestic wells used as monitoring wells, the depth to water or static water level shall be measured prior to pumping or sampling the ground water. On the IBP East Production Well, measure the depth to water prior to sampling the ground water, and note whether the well is pumping or inactive at the time of measurement.* A dedicated pump must be used in each monitoring well for sampling purposes or, if a portable pump is used, it must be cleaned and sanitized prior to each use.
2. Page 10 of 29 -- Section E. Facility Monitoring Table, Item - "Monthly Monitoring for Each Waste Solid Process Unit" hereby changes the parameters to be monitored to include *chemical oxygen demand (COD) and total solids* while removing total suspended solids.
3. Page 11 of 29 -- Section E. Facility Monitoring Table, Item - "Quarterly Monitoring of Ground Water Monitoring Wells" hereby changes the language for measuring depth to water to say, "*water level just prior to sample collection\**". The asterisk (\*) hereby says "*See Section E. Monitoring Requirements, Item 7.*"
4. Page 12 of 29 -- Section E. Facility Monitoring Table, Item - "Annual Composite Soil Monitoring For South, Central and North Land Application Sites With No Non-growing Season Application" hereby changes the language describing the type of monitoring to read, "*Composite soil samples taken prior to crop growth in spring*".

V. Pages 15-16 -- Section F. Compliance Schedule for Required Activities:

1. Page 15 of 29 -- Section F. Compliance Schedule for Required Activities, Item CA-055-05 is hereby changed to 824 acres and reads as follows:

The permittee shall submit a Waste Solids Management Plan for review and approval by the Department. The plan shall address the management of all waste solids associated with wastewater treatment processes to demonstrate that Section F. Site Specific Conditions requirements for waste solids is being fulfilled. This

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plan is appropriate whether waste solids are treated and disposed: on the entire 824 acre site or on a dedicated site located within the 824 acre wastewater land application site. If the permittee removes waste solids to an off site location as the management plan, then the permittee shall notify the Department of how waste solids are to be managed. Upon approval by the Department, this plan shall be incorporated by reference into this permit and shall become an enforceable part of this permit. The permittee shall not manage the waste solids except as consistent with the Waste Solids Management Plan approved by the Department

2. Page 16 of 29 -- Section F. Compliance Schedule for Required Activities, Item CA-055-08 is hereby modified to include the 3/12/99 plan and specification approval and now reads as follows:

The permittee shall modify the existing sprinkler systems on the South, North and Central Land Application Sites in accordance with *DEQ approved submittals dated 7/30/98 and 3/12/99 and the site plan in Appendix 2*. IBP shall complete construction of surface sealing around the irrigation well located in MU-005511 in accordance with DEQ approved submittal dated 5/6/98. The permittee shall properly abandon any open or inactive production wells or injection wells located inside of or within fifty (50) feet of the perimeter of any hydraulic management unit. Well abandonment must be completed consistent with the Rules of the Idaho Department of Water Resources.

VI. **Page 20 -- Section G. Reporting Requirements:**

1. Section G., Reporting Summary Table, Notice of Non-Compliance Report is hereby changed such that the report format, due date and contents now reference "*Section H., Item 10*".

VII. **Page 23 -- Appendix 1: Environmental Monitoring Computerized Data Reporting Serial Number Key:**

1. Appendix 1: Environmental Monitoring Computerized Data Reporting Serial Number Key for the Hydraulic Management Units is hereby changed such that the acreage column header now reads "*Acreage ( according to 6/10/99 permit modification)*" and the acreage for the South Land Application Site - Small Wheel Line (WL-2) now reads *5 acres*.

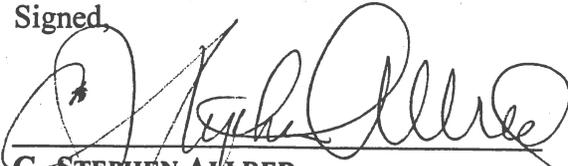
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VIII. Page 29 -- Appendix 2: Site Map:

1. Appendix 2: Site Map is hereby changed to the Site Map submitted with IBP's March 4, 1999 permit modification request that shows MU-005506 as a 5 acre parcel.

The modification described above and referred to as Appendix "3" is hereby approved. This appendix to the permit is incorporated into and constitutes a part of Permit No. LA-000055-03. This appendix must be attached to the permit. The permit is incomplete and unlawful under the Wastewater-Land Application Permit Regulations without this appendix attached.

Signed

  
C. STEPHEN ALLRED,  
ADMINISTRATOR  
DIVISION OF ENVIRONMENTAL QUALITY

6/11/99  
DATE

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## B. Permit Contents, Appendices and Attachments

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### Appendices

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### Attachments

- I. Plan of Operation
- II. Site Monitoring Strategy

The Sections, Appendices, and Attachments listed on this page are all elements of Wastewater-Land Application Permit LA-000055-03 and are enforceable as such. This permit does not relieve IBP, inc, hereafter referred to as the Permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

### C. Facility Information

<b>Legal Name of Permittee</b>	IBP, inc (commonly referred to as Iowa Beef Processors, inc.)
<b>Type of Waste to be Land Applied</b>	Beef processing wastes and wastewater
<b>Method of Treatment</b>	Slow Rate Wastewater Land Application Treatment System consisting of dissolved air flotation pretreatment followed by an anaerobic pond, then an aerobic pond and finally either to storage or to land irrigation of wastewater through a combination of center pivots or wheel lines.
<b>Type of Facility</b>	Beef Slaughtering
<b>Domestic Sewage System</b>	Originally permitted as part of wastewater-land application system. Effective with issuance of this permit, IBP, Inc.'s domestic wastewater must be treated per conditions of this permit.
<b>Domestic Water Supply System</b>	Non-transient non community water supply system serving 300-325 individuals
<b>Facility Location</b>	1.5 miles south of Kuna Mora Road on the east side of South Cole Road (18300 S Cole Road)
<b>Legal Location</b>	T1N, R2E, Sec 6, 7, 18, 19 and T2N R2E Sec 31
<b>County</b>	Ada
<b>Total Acres Irrigated with Industrial Wastewater</b>	824 acres
<b>USGS Quad</b>	Mora
<b>Soils on Site</b>	Kunaton silty clay loam, Colthrop silt loam, Kunaton-Sebree silty clay loam and Elijah silt loam, bedrock substratum
<b>Seasonal High Ground Water</b>	Fluctuates 2-3 feet on a seasonal basis from regional aquifer depth
<b>Depth to Regional Aquifer</b>	287- 336 feet according to Site Monitoring Strategy, Table B-1
<b>Beneficial Uses of Ground Water</b>	Drinking water, irrigation for agriculture, industrial

### D. Site Specific Permit Conditions

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

Category	Permitted Conditions
<b>Type of Wastewater</b>	Industrial wastewater from beef processing
<b>Method of Treatment and Process Description</b>	Dissolved air flotation pretreatment followed first by an anaerobic lagoon and then an aerobic lagoon prior to being land applied or stored. Wastewater shall be stored during the non-growing season in the 100 million gallon storage lagoon.
<b>Total Acres Irrigated with Industrial Wastewater</b>	824 acres: South Land Application Site - 313 acres, Central Land Application Site - 203 acres, and North Land Application Site - 308 acres
<b>Application Season/Growing Season (GS)</b>	March 15 to October 31 (231 days)
<b>Non-Growing Season (NGS)</b>	November 1 to March 14 (134 days)
<b>Estimated Wastewater Production</b>	165 MGA -292 MGA
<b>Maximum Wastewater Hydraulic Loading for Growing Season</b>	Annual irrigation water requirement as per 1994 Technical Interpretive Supplement, page IV-6, for each management unit.
<b>Maximum Hydraulic Loading for Non-growing Season</b>	<p>Center Pivot 1N = .44 ac-in/acre (1.4 MG/MU*)                      Center Pivot 2N = 1.25 ac-in/acre (.88 MG/MU)                      Center Pivot 3N = .59 ac-in/acre (1.82 MG/MU)                      Center Pivot 4N = 1.06 ac-in/acre (1.43 MG/MU)                      Center Pivot 1C = 1.44 ac-in/acre (2.34 MG/MU)                      Center Pivot 2C = .59 ac-in/acre (1.86 MG/MU)                      Wheel Lines 1 &amp; 2 = 4.71 ac-in/acre (3.51 MG/MU)</p> <p>No wastewater shall be applied to any South Land Application Site Management Units during the non-growing season</p> <p>*MU = management unit</p>

## E. Monitoring Requirements

- 1) The permittee shall monitor the operation and efficiency of all treatment facilities through the monitoring and measuring of parameters as per the final approved Site Monitoring Strategy and as stated in the Facility Monitoring Table in this section.
- 2) The compliance monitoring points and the compliance monitoring standards shall be as stated in the Compliance Monitoring Table in this section.
- 3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
- 4) Appropriate analytical methods, as given in the *1994 Technical Interpretive Supplement*, or as approved by the Department, shall be employed.
- 5) A description of approved representative locations for sample collection, approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the facility's Plan of Operation.
- 6) Unless otherwise agreed to in writing by the Department, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the following table.
- 7) The monitoring wells shall be purged a minimum of three (3) casing volumes prior to obtaining a sample of the ground water. On dedicated ground water monitoring wells and private domestic wells used as ground water monitoring wells, the depth to water or static water level shall be measured prior to pumping or sampling the ground water. On the IBP East Production Well, measure the depth to ground water prior to sampling the ground water, and note whether the well is pumping or inactive at the time of measurement. A dedicated pump must be used in each monitoring well for monitoring purposes or, if a portable pump is used, it must be cleaned and sanitized prior to each use.
- 8) Each soil monitoring unit shall be sampled at three different depths: 0"-12", 12"-24", and 24"-36", or until refusal due to bedrock if encountered before 36", with 15 subsamples being collected at each depth for management units over 100 acres in size and 10 subsamples being collected at each depth for management units under 100 acres in size. The subsamples from each depth in each management unit will be composited to yield three (3) composite samples for analysis.

E. Monitoring Requirements (continued)

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Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Monthly (when storage pond is being discharged for land application)	Irrigation pump station for effluent leaving storage pond	Grab sample of wastewater	Chemical Oxygen Demand (COD), electrical conductivity (EC), total kjeldahl nitrogen (TKN), nitrate-nitrite-nitrogen, ammonium nitrogen, total suspended solids, pH, total phosphorus (plant available), sodium, chloride, total dissolved solids, volatile dissolved solids, total coliform (actual number), and fecal coliform (actual number)
Monthly (when aerobic pond is being pumped for land application)	Irrigation pump station at aerobic pond	Grab sample of wastewater	total dissolved solids, volatile dissolved solids, total coliform (actual number), and fecal coliform (actual number)
Monthly	Each Management Unit	Total nitrogen (TKN + nitrite + nitrate) loading from wastewater	Calculations (pounds/acre)
Monthly (when applied)	Each Waste Solid Process Unit	Waste solids (lagoon sludge, animal pen manure and grit and any emergency application of paunch manure) applied to land surface	Chemical oxygen demand, ammonia-nitrogen, total kjeldahl nitrogen, nitrate-nitrogen, total solids and plant available phosphorus
Monthly	Each Management Unit	Total nitrogen (TKN + nitrite + nitrate) loading from waste solids and any other supplemental sources of nitrogen as N	Calculations* (pounds/acre)  * Calculations for any emergency applications of paunch to be listed separately
Monthly	Storage Pond	Wastewater lagoon depth by visual observation, wastewater volume by computation	Depth (feet), Volume (gallons)

## E. Monitoring Requirements (continued)

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Quarterly (January, April, July, October)	Ground Water Monitoring Wells GW-005510, GW-005509, GW-005508 and GW-005501 (designated up-gradient wells) and Ground Water Monitoring Wells GW-005504, GW-005505, GW-005506 and GW-005507 (designated down-gradient wells)	Grab sample of groundwater	water level just prior to sample collection*, specific conductivity, total coliform, standard plate count, chloride, total dissolved solids, nitrate, iron, manganese, COD, and standard ions** (sodium, potassium, calcium, magnesium, sulfate, CO <sub>3</sub> and HCO <sub>3</sub> )  * See Section E. Monitoring Requirements, Item 7, **standard ions shall be monitored January 1999, January 2001 and January 2003
Semi-Annual (April & Sept)	Central Land Application Site and North Land Application Site Soils with non-growing season application	Composite soil samples taken prior to crop growth in spring and after final harvest in fall	nitrate-nitrogen, ammonium-nitrogen, total kjeldahl nitrogen, chloride, sodium adsorption ratio (SAR), electrical conductivity (EC), percent organic matter, DTPA-Iron, and DTPA-Manganese, cation exchange capacity (CEC)***, plant available phosphorus***, soil texture***  ***soil texture, CEC and plant available phosphorus to be collected one time only in March 1999

E. Monitoring Requirements (continued)

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annual (April)	South Land Application Site Soils, and Central and North Land Application Site Soils with no non-growing season application	Composite soil samples taken prior to crop growth in spring	nitrate-nitrogen, ammonium-nitrogen, total kjeldahl nitrogen, chloride, sodium adsorption ratio (SAR), electrical conductivity (EC), percent organic matter, DTPA-Iron, and DTPA-Manganese, cation exchange capacity (CEC)***, plant available phosphorus***, soil texture***  ***soil texture, CEC and plant available phosphorus to be collected one time only in March 1999
Annual (at harvest)	Plant Tissue Monitoring from one representative field for each crop	Plant tissue of each crop grown	nitrate-nitrogen, total kjeldahl nitrogen, ash content, percent moisture, crop yield^^ and total nitrogen removed from land application site at harvest in lbs/acre^^  ^^Obtain these results by calculations ^^Multiply nitrogen concentration in harvested commodity by yield in appropriate units to get pounds of total nitrogen removed

F. Compliance Schedule For Required Activities (continued)

Compliance Activity Number Completion Date	Compliance Activity Description
CA-055-04 April 1, 1999	The permittee shall submit a copy of the completed, approved transfer of water rights from the Idaho Department of Water Resources that will allow supplemental irrigation water to be transferred from the North and South Land Application Sites to the Central Land Application Site. The permittee shall also submit a complete list of water rights for all portions of property under IBP ownership.
CA-055-05 April 1, 1999	The permittee shall submit a Waste Solids Management Plan for review and approval by the Department. The plan shall address the management of all waste solids associated with wastewater treatment processes to demonstrate that Section F.- Site Specific Conditions requirements for waste solids is being fulfilled. This plan is appropriate whether waste solids are treated and disposed: on the entire 824 acre site or on a dedicated site located within the 824 acre wastewater-land application site. If the permittee removes waste solids to an off site location as the management plan, then the permittee shall notify the Department of how waste solids are to be managed. Upon approval by the Department, this plan shall be incorporated by reference into this permit and shall become an enforceable part of this permit. The permittee shall not manage the waste solids except as consistent with the Waste Solids Management Plan approved by the Department.
CA-055-06 January 15, 1999 to April 1, 1999	IBP shall separate the domestic wastewater from the industrial wastewater by submittal of a specific process design, engineering report and plan and specifications of the specific process design in accordance with the following schedule: 1) IBP submits final engineering report on specific process design by January 15, 1999, 2) IBP submits final plan and specifications for specific process design by April 1, 1999. The standard DEQ review and comment time frame for engineering plan and specifications is 30 days following submittal.
CA-055-07 April 30, 1999	The permittee shall install new sprinkler systems on the South, North and Central Land Application Sites in accordance with the site plan in Appendix 2 of this permit.

F. Compliance Schedule For Required Activities (continued)

Compliance Activity Number Completion Date	Compliance Activity Description
<p>CA-055-08 April 30, 1999</p>	<p>The permittee shall modify the existing sprinkler systems on the South, North and Central Land Application Sites in accordance with DEQ approved submittals dated 7/30/98 and 3/12/99 and the site plan in Appendix 2. IBP shall complete construction of surface sealing around the irrigation well located in MU-005511 in accordance with DEQ approved submittal dated 5/6/98. The permittee shall properly abandon any open or inactive production wells or injection wells located inside of or within fifty (50) feet of the perimeter of any hydraulic management unit. Well abandonment must be completed consistent with the Rules of the Idaho Department of Water Resources.</p>
<p>CA-055-09 May 1, 1999</p>	<p>IBP shall commence land application of facility wastewater to the South, North and Central Land Application Sites in accordance with the provisions of this permit.</p>
<p>CA-055-10 June 1, 1999</p>	<p>Submit written documentation that irrigation well surface sealing and well abandonment were completed within the scheduled completion date and in accordance with appropriate plans and requirements.</p>
<p>CA-055-11 August 1, 1999</p>	<p>The permittee shall submit to the Department seepage test data for existing structures, obtained in accordance with approved specifications, to verify all earthen wastewater storage and treatment structures, do not exceed the seepage rates of 0.25 inches per day.</p>
<p>CA-055-12 November 1, 1999</p>	<p>IBP shall submit to DEQ written documentation that the separation of the domestic and industrial wastewater effluent or pretreatment of domestic wastewater effluent is complete. The written documentation shall include verification that: 1) the installation of an appropriate domestic wastewater treatment system is complete, 2) the domestic wastewater treatment system is operational, and 3) appropriate reviewing agency or authority has granted any required approval(s).</p>

Type of Report	Report Format	Date Due	Contents
Notice of Non-Compliance	See Section H., Item 10.	See Section H., Item 10	See Section H., Item 10

Annual Report Contents Table

Item	Units
Annual flow to each Hydraulic Management Unit for wastewater and irrigation water	gallons/year, gallons/month, inches/year and irrigation water requirement /MU
Total and average daily wastewater applied to each Hydraulic Management Unit	gallons/day and gallons/year
Non-growing Season (ngs) wastewater loading to each Hydraulic Management Unit	gallons/ngs and inches/ngs
Annual loadings to each Hydraulic Management Unit: total nitrogen, total dissolved solids and non-volatile dissolved solids	total pounds and pounds per acre
Annual crop summary -use standard form in Annual Report Form for each Hydraulic Management Unit	Written narrative
Storage lagoon volume at beginning and end of application season	gallons
Laboratory test results for monitoring required in Section E	as specified in Section E
Laboratory test results for facility monitoring not listed in Section E	as specified in approved test methods
Status of items listed in Section F, Compliance Schedule for Required Activities	written narrative
Description of any actual or potential environmental impacts resulting from the wastewater land application system.	written narrative
Amount of supplemental fertilizer applied to each Hydraulic Management Unit	date and lbs/acre

**APPENDIX 1**

**ENVIRONMENTAL MONITORING  
Computerized Data Reporting Serial  
Number Key**

\*Denotes Active Site

<b>HYDRAULIC MANAGEMENT UNITS</b>		
<b>Description of Unit</b>	<b>Acres (according to 6/10/99 permit modification)</b>	<b>Serial Number</b>
*South Land Application Site- South Center Pivot (3S)	117 acres	MU-005501
*South Land Application Site- North Center Pivot (2S)	136 acres	MU-005502
South Land Application Site- Small Center Pivot- INACTIVE	35 acres	MU-005503
South Land Application Site- Solid Set Field INACTIVE	35 acres	MU-005504 (Deleted 1998 Now part of MU-005502)
South Land Application Site- Large Wheel Line Field INACTIVE	30 acres	MU-005505
*South Land Application Site- Small Wheel Line (WL-2)	5 acres	MU-005506
*South Land Application Site- Partial Center Pivot (1S)	60 acres	MU-005507 (Replaces MU-005503)
South Land Application Site- Gravity Irrigation Field INACTIVE	13.5 acres	MU-005508 (Deleted 1998 Now part of MU-005502)
*Central Land Application Site-Partial Center Pivot (1C)	60 acres	MU-005509

**APPENDIX 1**

**ENVIRONMENTAL MONITORING  
Computerized Data Reporting Serial  
Number Key**

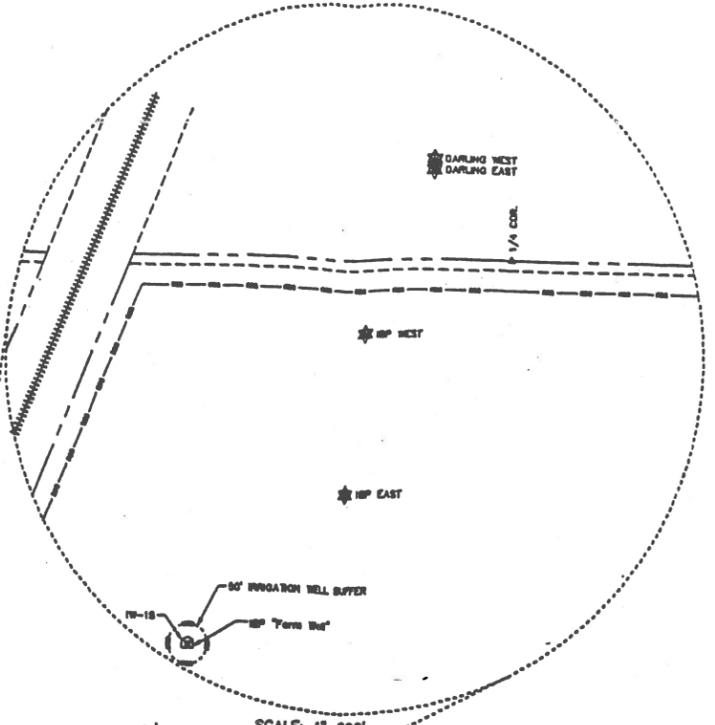
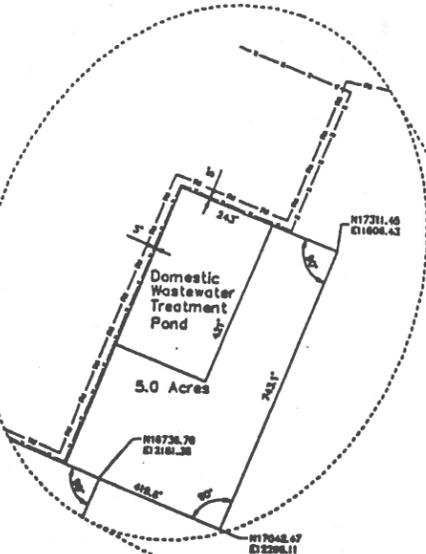
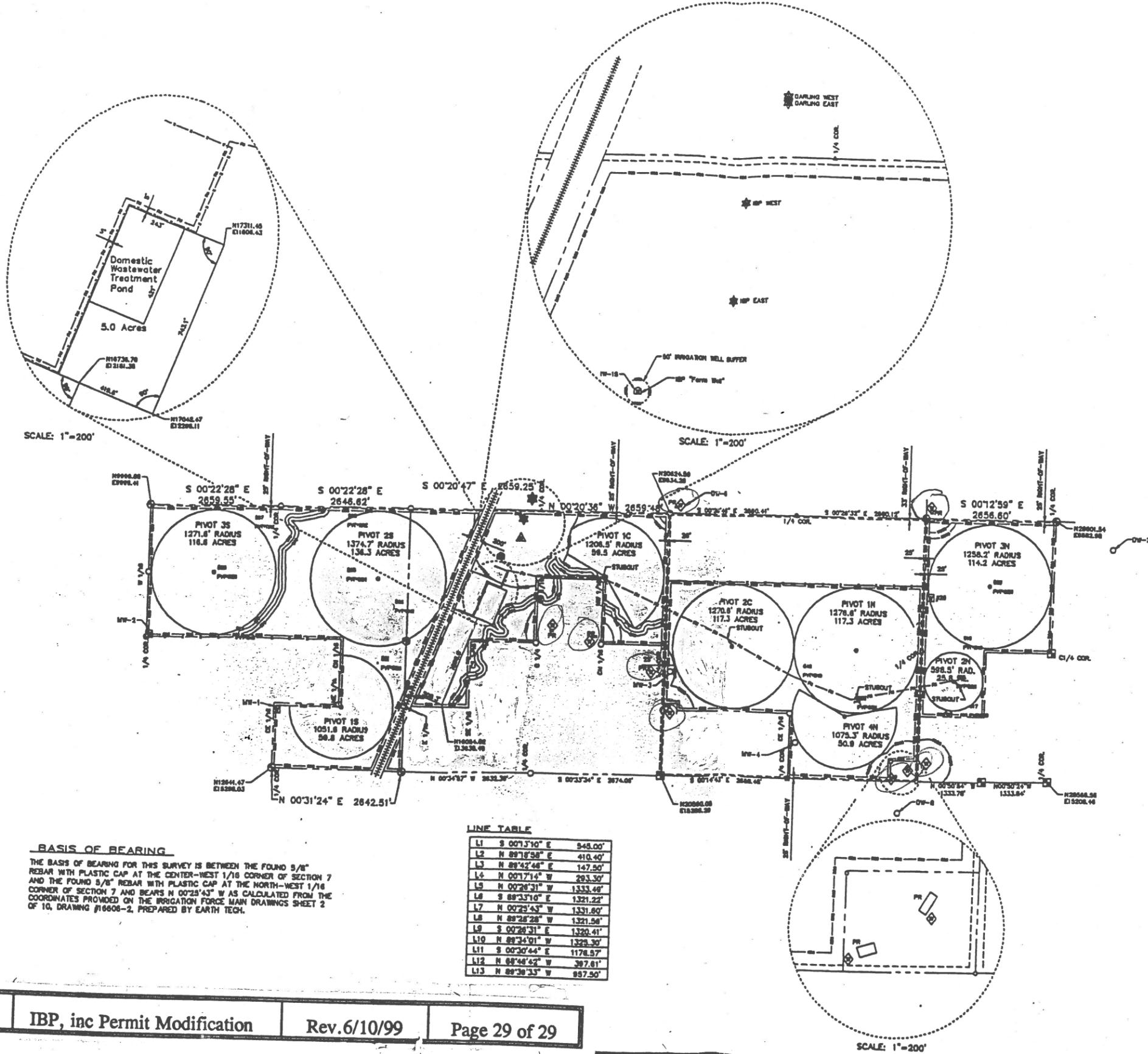
\*Denotes Active Site

<b>HYDRAULIC MANAGEMENT UNITS</b>		
<b>Description of Unit</b>	<b>Acres (according to 6/10/99 permit modification)</b>	<b>Serial Number</b>
*Central Land Application Site-Large Center Pivot (2C)	116 acres	MU-005510
*North Land Application Site-South Center Pivot (1N)	117 acres	MU-005511
*North Land Application Site-Small Center Pivot (2N)	26 acres	MU-005512
*North Land Application Site-North Center Pivot (3N)	114 acres	MU-005513
*North Land Application Site-North half pivot (4N)	51 acres	MU-005514
*South Land Application Site-Diminished Wheel Line Field (WL-1)	22 acres	MU-005515 (Replaces MU-005505)

<b>WASTEWATER SAMPLING POINTS</b>	
<b>Serial Number</b>	<b>Description</b>
*WW-005501	Irrigation pump station where effluent leaves aerobic pond
*WW-005502	Irrigation pump station where effluent leaves storage pond

# PIVOT IRRIGATION SITE MAP

## APPENDIX 2: Site Map



SCALE: 1"=200'

SCALE: 1"=200'

SCALE: 1"=200'

SCALE: 1"=1000'

### LEGEND

- Boundary Line
- - - 500' Residential Buffer Line
- - - 70' Creek Buffer Line
- - - 50' Right-of-Way Buffer Line
- 50' Irrigation Well Buffer
- - - 500' Private Well Buffer Line
- - - 1000' Public Well Buffer Line
- Force Main Line
- - - Existing Fence Line
- ||||| Center Line of Railroad Tracks
- - - Right-of-Way Line
- Section Line
- ⊙ Irrigation Well
- ⊙ Public Drinking Well
- ⊙ Monitoring Well
- ⊙ Domestic Well
- ⊙ Private Residence
- ⊙ Found Aluminum Cap Monument
- ⊙ Found Brass Cap Monument
- Found 5/8" Rebar
- Found 1/2" Rebar
- Found PK Nail
- ⊙ Found Monument as Noted
- ⊙ Calculated Position
- ⊙ Center Point of Pivot

### CERTIFICATE OF SURVEYOR

I, Timothy J. Fox, do hereby certify that I am a Registered Land Surveyor, licensed by the State of Idaho, and that this map has been prepared from an actual survey made on the ground under my direct supervision, and that this map is an accurate representation of said survey. The field survey was performed in November, 1998.

Timothy J. Fox, P.L.S. License No. 7612

FOX LAND SURVEYS, INC. DRAWING MODIFIED BY IBP, INC. TO SHOW MONITORING WELLS MW-3 AND MW-4, AND TO SHOW DOMESTIC WASTEWATER TREATMENT POND

### BASIS OF BEARING

THE BASIS OF BEARING FOR THIS SURVEY IS BETWEEN THE FOUND 5/8" REBAR WITH PLASTIC CAP AT THE CENTER-WEST 1/16 CORNER OF SECTION 7 AND THE FOUND 5/8" REBAR WITH PLASTIC CAP AT THE NORTH-WEST 1/16 CORNER OF SECTION 7 AND BEARS N 00°25'43" W AS CALCULATED FROM THE COORDINATES PROVIDED ON THE IRRIGATION FORCE MAIN DRAWINGS SHEET 2 OF 10, DRAWING #16608-2, PREPARED BY EARTH TECH.

### LINE TABLE

L1	S 00°13'10" E	948.00'
L2	N 89°18'58" E	410.40'
L3	N 89°42'48" E	147.50'
L4	N 00°17'14" W	293.30'
L5	N 00°28'31" W	1333.48'
L6	S 89°33'16" E	1321.22'
L7	N 00°25'43" W	1331.60'
L8	N 89°28'28" W	1321.58'
L9	S 00°28'31" E	1329.41'
L10	N 89°34'01" W	1329.30'
L11	S 00°30'44" E	1178.57'
L12	N 89°48'42" W	397.61'
L13	N 89°38'33" W	897.50'

BO-07-74-065C  
IRRIGATION PIVOTS & MONITOR WELLS  
FOR  
IBP, INC.

PORTIONS OF SECTION 31, T.2N., R.2E., AND  
PORTIONS OF SECTIONS 6, 7, 18, T.1N., R.2E.  
BOISE MERIDIAN, ADA COUNTY, IDAHO.

**FOX LAND SURVEYS, INC.**  
1615 1/2 N 13TH BOISE ID 83702  
208-342-7857 - FAX 208-342-7437

ACAD DWG FILE 98033T    DR. SDC    CK. T.J.F    PLOT SCALE: 1"=1000'  
SCALE: 1"=1000'    DATE: NOV. 1998    SHEET 1 OF 1