A. Permit Certificate

MUNICIPAL AND INDUSTRIAL WASTEWATER REUSE PERMIT LA-000130-05

U.S. DEPARTMENT OF ENERGY – IDAHO OPERATIONS OFFICE, 1955 FREMONT AVENUE, IDAHO FALLS, IDAHO 83401-1220, AND **CH2M-WG IDAHO, LLC**, P.O. BOX 2010, 1580 SAWTELLE STREET, IDAHO FALLS, ID 83403-2010, ARE HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE RECYCLED WATER 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 APPLICABLE TO THE IDAHO NUCLEAR TECHNOLOGY AND ENGINEERING CENTER (INTEC) FACILITY'S NEW PERCOLATION PONDS LOCATED IN BUTTE COUNTY, TOWNSHIP 3 NORTH, RANGE 29 EAST, SECTION 26.

THIS PERMIT IS ISSUED AND EFFECTIVE UPON THE DATE OF SIGNATURE.

THIS PERMIT EXPIRES ON MARCH 14, 2017.

Erick Neher
Idaho Falls Regional Administrator
Idaho Department of Environmental Quality

Date: March 14, 2012

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

POSTING ON SITE IS RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

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1. Plan of Operation (O&M Manual)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000130-05 and are enforceable as such. This permit does not relieve U.S. Department of Energy and CH2M-WG Idaho, 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

CWI	CH2M-WG Idaho, LLC
bgs	Below Ground Surface
BMP or BMPs	Best Management Practices
BOD	Biochemical 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
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance document	The DEQ Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IDAPA	Idaho Administrative Procedures Act
INL	Idaho National Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
LG	Lagoon
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per Reuse reporting year)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
STP	Sewage Treatment Plant
SWS	Service Waste System
TDS	Total Dissolved Solids or Total Filterable Residue
US DOE	United States Department of Energy
USGS	United States Geological Survey
Reuse	Wastewater Reuse Permit (or program)
Reuse reporting year	November 01 – October 31. The reporting year begins with the non-growing season and extends through the growing season of the following year.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	United States Department of Energy (US DOE) and CH2M-WG Idaho, LLC (CWI)
Types of Wastewater	1. The Service Waste System (SWS) industrial wastewater consists primarily of noncontact cooling water, steam condensate, water treatment effluent, boiler blowdown wastewater, storm water, and small volumes of other nonhazardous liquids. 2. The Sewage Treatment Plant (STP) municipal wastewater consists primarily of sewage, septage and other nonhazardous industrial wastewater.
Method of Treatment	Sewage Treatment Plant effluent: aerobic lagoons, facultative lagoons, and disposal to the New Percolation Ponds.
Type of Facility	INTEC is a Federal (US DOE) facility located at the Idaho National Laboratory (INL). This treatment system is associated with the INL Idaho Nuclear Technology and Engineering Center (INTEC).
Facility Location	Located between Butte City and Atomic City, approximately 3 miles north of the U.S. Highway 20/26 interchange.
Legal Location	Township 3N, Range 29E, Section 26
County	Butte
USGS Quad	Circular Butte 3SW
Soils on Site	Shallow to deep (< 20" to > 60"), composed of medium to coarse textured soils over gravel derived from alluvial deposits of the Big Lost River.
Depth to Ground Water	1. A perched water formation occurs at approximately 110 feet below ground surface, from intermittent flow in the Big Lost River and wastewater discharges to the New Percolation Ponds. 2. A second perched water formation occurs at approximately 235 feet below ground surface and is recharged primarily from wastewater discharges to the New Percolation Ponds. 3. The regional Snake River Plain Aquifer is approximately 500 feet below ground surface.
Beneficial Uses of Ground Water	Agricultural, industrial, and domestic.
Nearest Surface Water	The Big Lost River is located approximately 1,000 feet to the northwest from the percolation pond site.
Beneficial Uses of Surface Water	Cold water communities, salmonid spawning, primary contact recreation, domestic water supply, special resource water (IDAPA 58.01.02.150.20).

Responsible Officials **Mailing Address** **Phone / Fax**	Kevin W. Daniels, Vice President Idaho Cleanup Project, ESH&QA CH2M-WG Idaho, LLC P.O. Box 2010 MS 9204 1580 Sawtelle Street Idaho Falls, ID 83403-2010 Phone: (208) 533-3475 Fax: (208) 533-3911 James R. Cooper, Deputy Manager for Idaho Cleanup Project U.S. Department of Energy – Idaho Operations Office 1955 Fremont Ave., MS 1222 Idaho Falls, ID 83415 Phone: (208) 526-5698 Fax: (208) 526-7245
Facility Contacts **Mailing Address** **Phone / Fax**	David P. Hutchison, Director, Environmental and Regulatory Services, Idaho Cleanup Project, CH2M-WG Idaho, LLC (CWI) P.O. Box 2010 MS 9208 1580 Sawtelle Street Idaho Falls, ID 83403-2010 Phone: (208) 533-3356 Fax: (208) 533-3948 Vanica Dugger Environmental Technical Support U.S. Department of Energy – Idaho Operations Office 1955 Fremont Ave., MS 1216 Idaho Falls, Idaho 83415 Phone: (208) 526-8870 Fax: (208) 526-1926

Additional facility information: The Department of Energy is a federal agency of the Executive Branch. By applying for, and accepting this Wastewater Reuse Permit, the US DOE reserves and does not waive any rights, authority, claim or defenses, including both sovereign immunity and federal preemption under the Atomic Energy Act (AEA), that it may have or wish to pursue in any administrative, judicial or other proceeding.

The US DOE asserts, with respect to AEA radioactive materials, that it is a self-regulating entity under the AEA. As such, the approval granted by DEQ to the permittee to land apply wastewater, as contained in this permit, does not authorize the application or disposal of AEA radioactive materials that may occur during the wastewater land application activities authorized by this permit.

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-130-01 Within 12 months of permit issuance	**Plan of Operation Update** 1. 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 *Plan* may reference other written procedures required to satisfy the conditions of this permit. 2. Add Quality Assurance Project Plan (QAPP) content to the existing Plan of Operation. Information for compiling the QAPP can be found in Section 7.1.6 *Quality Assurance and Quality Control* of the DEQ *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*.

F. Permit Limits and Conditions

The Permittee is allowed to discharge effluent to the New Percolation Ponds as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

Category	Permit Limits and Conditions
Type of wastewater	1. The Service Waste System (SWS) industrial wastewater consists primarily of noncontact cooling water, steam condensate, water treatment effluent, storm water, boiler blowdown wastewater, and small volumes of other nonhazardous liquids. 2. The Sewage Treatment Plant (STP) municipal wastewater consists primarily of sewage, septage, and other nonhazardous industrial wastewater.
Application site area	The application area consists of two (2) percolation ponds: 2.1 acres each at the top of the berms, and 1.16 acres (225 feet x 225 feet) each at the floor. The total area of the percolation pond site, including outside berms, is approximately 6.2 acres. See Appendix 2 for site maps.
Application season	Year round
Annual reporting year for loading rates	November 1 through October 31.
Hydraulic loading rate	Up to 3 million gallons per day, equal to a total of 1,095 million gallons per year.
Ground water	Permittee shall be in compliance with the *Ground Water Quality Rule* (GWQR), IDAPA 58.01.11, at the following ground water monitoring compliance points for the waste materials authorized for disposal under this permit (see Section H for further information concerning AEA-regulated materials): GW-013006 (ICPP-MON-A-165) – Regional Aquifer GW-013007 (ICPP-MON-A-166) – Regional Aquifer GW-013009 (ICPP-MON-V-200) – Perched Water Formation GW-013010 (ICPP-MON-V-212) – Perched Water Formation
Buffer zones	The INTEC facility is a restricted facility with no public access. These restrictions shall remain in force for the duration of this permit.
Wellhead protection	Existing domestic well locations have been reviewed in the INEEL Wellhead Protection Program (October 1997) and are acceptable per the requirement of the *Well Location Acceptability Analysis* (WLAA) contained in the DEQ *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, 2007.* New domestic wells shall be reviewed for acceptability using the WLAA.
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 for review and approval.

Category	Permit Limits and Conditions
Disinfection	Disinfection of INTEC Sewage Treatment Plant effluent is not required at the time of permit issuance. DEQ reserves the right to modify this permit to include disinfection of the Sewage Treatment Plant effluent if, as a result of land application, ground water monitoring at the compliance points specified in Appendix 1 indicate total coliform levels in excess of the standards specified pursuant to the Ground Water Quality Rule (IDAPA 58.01.11.200.01.a).
Radiological information	The Permittee has provided documentation stating that: 1) the radioactivity related to the INTEC Service Waste System (SWS) is derived from Atomic Energy Act sources and is thereby regulated under that law; and, 2) INTEC has protective systems in place to ensure radioactivity will not be released into the New Percolation Ponds.

G. Monitoring Requirements

1. Pursuant to IDAPA 58.01.02.090.01 and IDAPA 58.01.11.200.01.c, appropriate analytical methods, as given in 40 CFR 136, 40 CFR 141, 40 CFR 143, or as approved by the Idaho Department of Environmental Quality, shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be compiled in the Quality Assurance Project Plan and included in the Plan of Operation (see permit Section E – *Compliance Schedule for Required Activities*, Compliance Activity CA-130-01).

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 specified in this permit, wastewater samples shall be 24 hour flow-proportioned samples of at least 8 aliquots collected either manually or automatically in a manner that yields a representative sample.

5. Ground water sampling procedures shall be included in the Plan of Operation (see permit Section E – Compliance Schedule for Required Activities, Compliance Activity CA-130-01). The static water level shall be measured prior to pumping or sampling. Wells with inadequate sampling volume shall be reported as "dry" in the Annual Report.

6. Reporting of monitoring requirements is described in Section H - Standard Reporting Requirements.

7. Monitoring locations are defined in Appendix 1 - Environmental Monitoring Serial Numbers.

Facility Monitoring Table

Frequency	Monitoring Point	Description/ Type of Monitoring	Parameters
Daily	Combined effluent prior to discharge into New Percolation Ponds (sample point CPP-797)	Flow meter	Gallons per day; report monthly and annual totals to each HMU.
Monthly	Influent to the Sewage Treatment Plant (sample point CPP-769)	Composite sample (see Section G, note 4)	Biological Oxygen Demand (BOD), Total Suspended Solids (TSS), Total Kjeldahl Nitrogen, nitrite + nitrate nitrogen, total phosphorus.
	Effluent from Sewage Treatment Plant, prior to combining with service waste (sample point CPP-773).	Composite sample (see Section G, note 4)	Biological Oxygen Demand (BOD), Total Suspended Solids (TSS), Total Kjeldahl Nitrogen, nitrite + nitrate nitrogen, total phosphorus.
		Grab sample	pH, total coliform.
	Combined effluent prior to discharge into New Percolation Ponds (sample point CPP-797)	Composite sample (see Section G, note 4)	Total Kjeldahl Nitrogen, nitrite + nitrate nitrogen, total phosphorus, biochemical oxygen demand, Total Suspended Solids, Total Dissolved Solids, chloride, electrical conductivity, fluoride, aluminum, arsenic, cadmium, chromium, copper, iron, manganese, mercury, selenium, silver, and sodium.
		Grab sample	pH, total coliform.
Semi-annually in April/May and September/ October	All ground water monitoring points in Appendix 1	See Section G, note 5	Water table depth (below ground surface), water table elevation (above mean sea level). pH, Total Kjeldahl Nitrogen, nitrite-nitrogen, nitrate-nitrogen, total phosphorus, Biochemical Oxygen Demand, Total Dissolved Solids, chloride, total coliform, fecal coliform, fluoride, dissolved aluminum, arsenic, cadmium, chromium, copper, dissolved iron, dissolved manganese, mercury, selenium, dissolved silver, sodium.
First year of permit, and after replacement or modification of meter or associated piping.	All flow measurement locations.	Flow measurement calibration of all flows to land application.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all wastewater applied to each HMU. Submit the calibration testing results to the DEQ within the Annual Report.

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 March 1 of each year, which shall cover the previous reporting year from November 1 through October 31. 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. The annual report shall include ground water contour maps indicating depth to water, water table elevation, and direction of flow for each monitoring period, utilizing the monitoring wells specified in Appendix 1 of this permit.

2. The annual report shall contain the results of the required monitoring as described in Section G - Monitoring Requirements. The permittee shall summarize and submit all monitoring data generated by the facility as specified in Section G to the Department with the annual report. If the permittee monitors any parameter for compliance purposes more frequently than required by this permit, the results of the additional compliance monitoring shall be included in this summary and submitted in the annual report. Data collected in support of the daily operation of the treatment system shall not be included.

3. The annual report shall contain a discussion of all noncompliance events, reported under Section I.7 of this permit, which occurred during the Reuse reporting year. The discussion shall include the cause of each noncompliance, the corrective actions implemented to reduce or eliminate each noncompliance, and whether or not each noncompliance has been corrected. For the noncompliance events that have not been corrected, the annual report shall present further corrective actions that will be implemented to reduce or eliminate the noncompliance, including an implementation plan and schedule for the corrective actions and an expected time period when the facility expects to return to compliance.

4. The annual report shall be submitted to: Greg Eager, Engineering Manager, DEQ Idaho Falls Regional Office, 900 N. Skyline, Suite B, Idaho Falls, ID 83402. Phone: (208) 528-2650

5. 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.

6. The permittee shall provide the results of water quality testing performed at the Weapons Range building B21-608 as required by the DEQ Drinking Water Program in the annual report.

7. The permittee agrees to provide to the Department the results of groundwater radiological monitoring with respect to the INTEC New Percolation Ponds that is performed to fulfill Department of Energy requirements under the Atomic Energy Act. The permittee agrees to provide the results with the annual report.

8. The permittee agrees to provide to the Department the results of radiological monitoring of the combined effluent prior to discharge into the New Percolation Ponds, with respect to the INTEC New Percolation Ponds that is performed to fulfill Department of Energy requirements under the Atomic Energy Act. The permittee agrees to provide the results 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.

4. 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.

5. 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.

6. 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.

7. 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:

      DEQ Idaho Falls Regional Office: 208-528-2650
      Emergency 24 Hour Number: 1-800-632-8000

   d. In writing as soon as possible but within sixty (60) 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.

8. 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.

9. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. Noxious weeds shall be controlled in accordance with Idaho Code Title 22, Chapter 24. 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 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 land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application 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	Acres
MU-013003	North Percolation Pond	2.1
MU-013004	South Percolation Pond	2.1

Wastewater Sampling Points

Serial Number	Description
WW-013001	Grab sample and 24-hour composite sample of combined Service Waste System and Sewage Treatment Plant effluent prior to discharge into the New Percolation Ponds (CPP-797)
WW-013002	24 hour composite sample of Sewage Treatment Plant influent to lagoons (CPP-769)
WW-013003	Grab sample and 24 hour composite sample of the Sewage Treatment Plant lagoon effluent prior to combining with the Service Waste System (CPP-773)

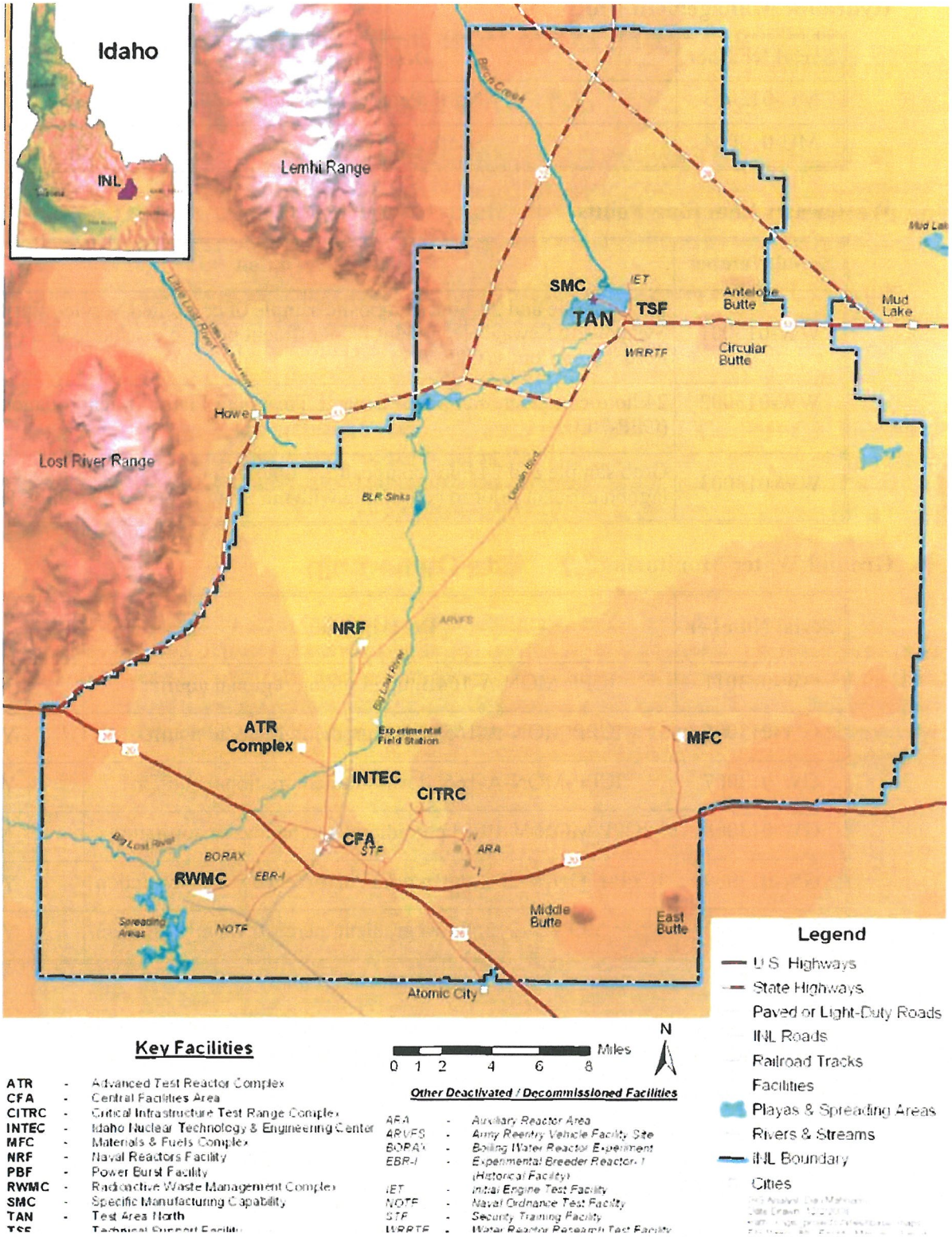
Ground Water Monitoring

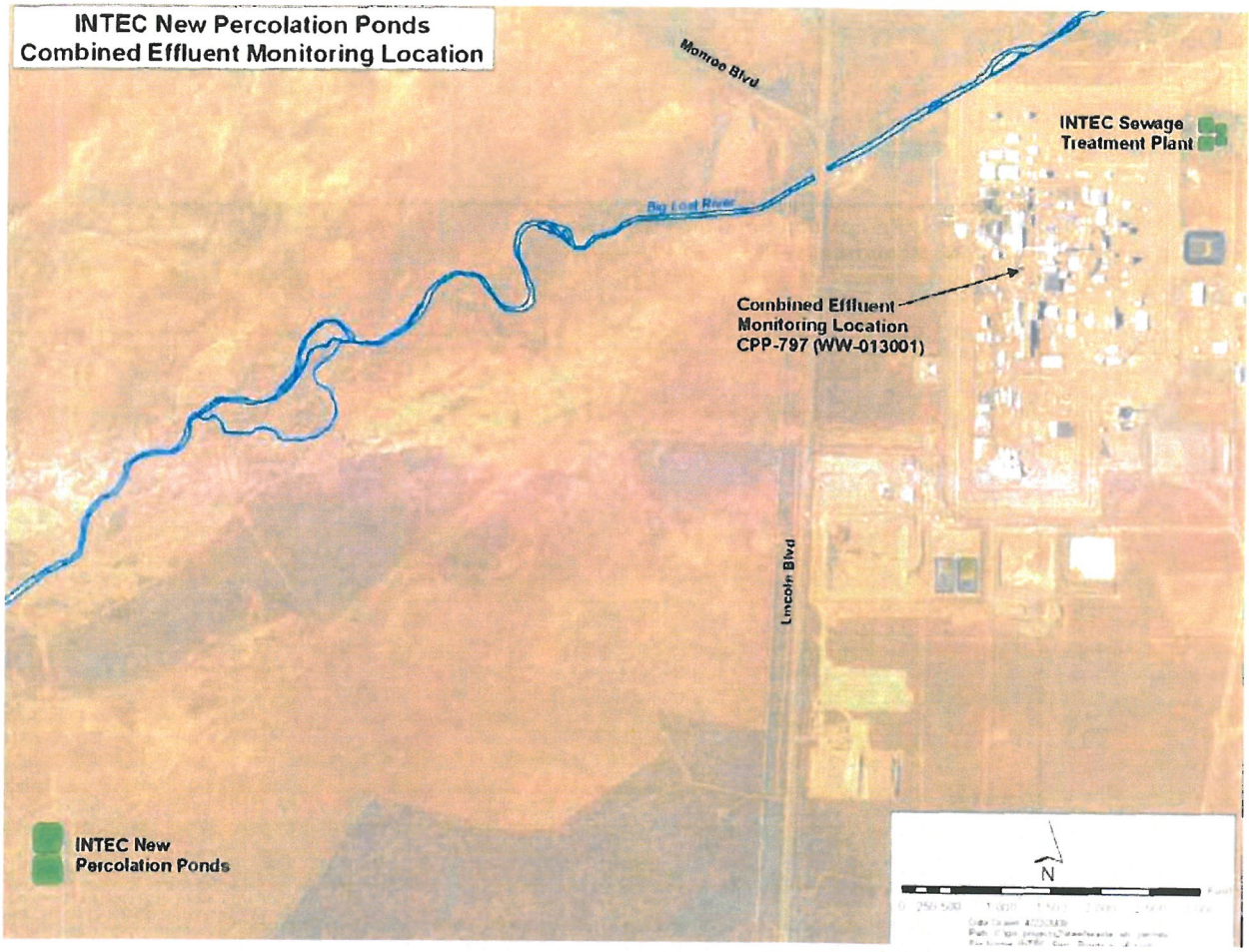
Serial Number	Description	Compliance Point?
GW-013011	ICPP-MON-A-164B, up gradient, regional aquifer	No
GW-013006	ICPP-MON-A-165, down gradient, regional aquifer	Yes
GW-013007	ICPP-MON-A-166, down gradient, regional aquifer	Yes
GW-013008	ICPP-MON-V-191, up gradient, perched water formation	No
GW-013009	ICPP-MON-V-200, down gradient, perched water formation	Yes
GW-013010	ICPP-MON-V-212, down gradient, perched water formation	Yes

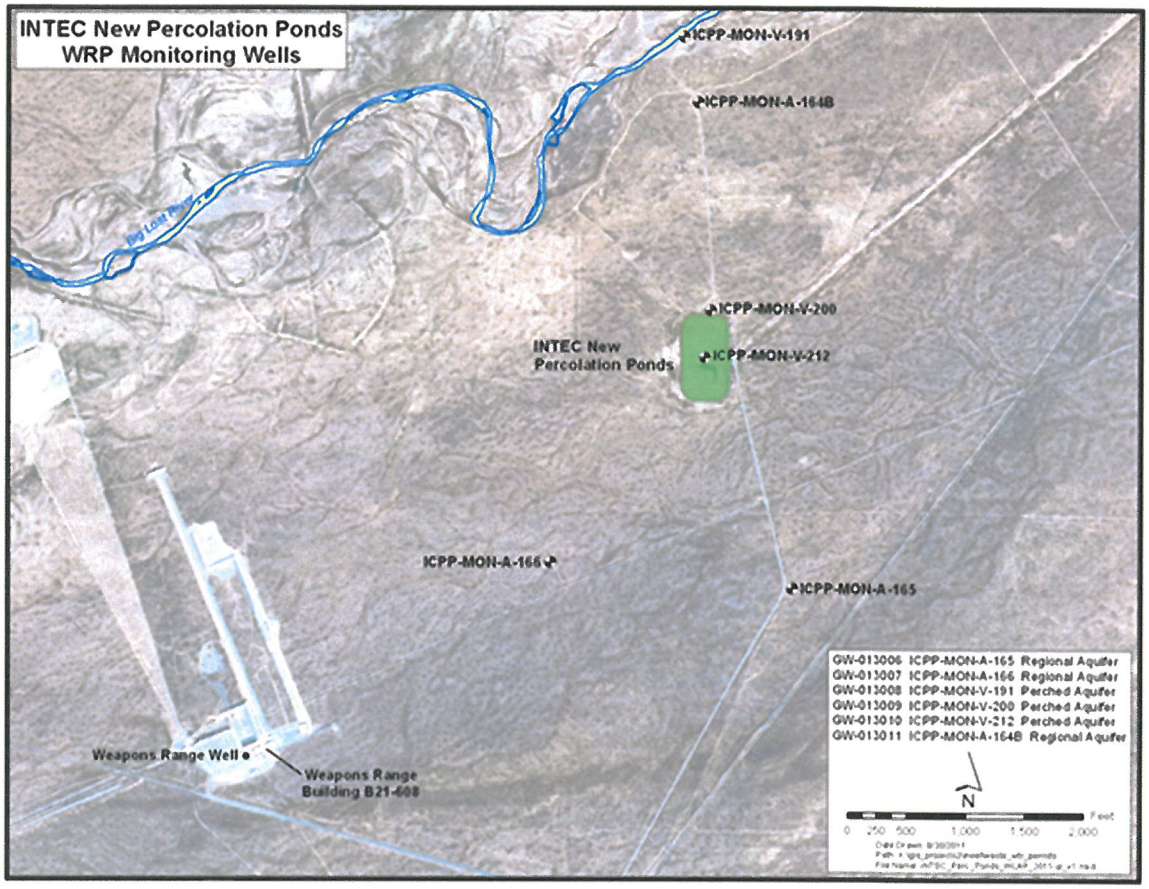
Lagoons

Serial Number	Description
LG-013001	INTEC Sewage Treatment Plant Lagoon Cell No. 1, aerated
LG-013002	INTEC Sewage Treatment Plant Lagoon Cell No. 2, aerated
LG-013003	INTEC Sewage Treatment Plant Lagoon Cell No. 3, facultative
LG-013004	INTEC Sewage Treatment Plant Lagoon Cell No. 4, facultative

Appendix 2
Site Maps




INTEC New Percolation Ponds
Combined Effluent Monitoring Location
Monroe Blvd
INTEC Sewage Treatment Plant
Big Lost River
Combined Effluent Monitoring Location CPP-797 (WW-013001)
Lincoln Blvd
INTEC New Percolation Ponds
N


INTEC New Percolation Ponds
WRP Monitoring Wells
ICPP-MON-V-191
ICPP-MON-A-164B
Big Lost River
ICPP-MON-V-200
INTEC New
Percolation Ponds
ICPP-MON-V-212
ICPP-MON-A-166
ICPP-MON-A-165
Weapons Range Well
Weapons Range
Building B21-608
GW-013006 ICPP-MON-A-165 Regional Aquifer
GW-013007 ICPP-MON-A-166 Regional Aquifer
GW-013008 ICPP-MON-V-191 Perched Aquifer
GW-013009 ICPP-MON-V-200 Perched Aquifer
GW-013010 ICPP-MON-V-212 Perched Aquifer
GW-013011 ICPP-MON-A-164B Regional Aquifer
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Feet
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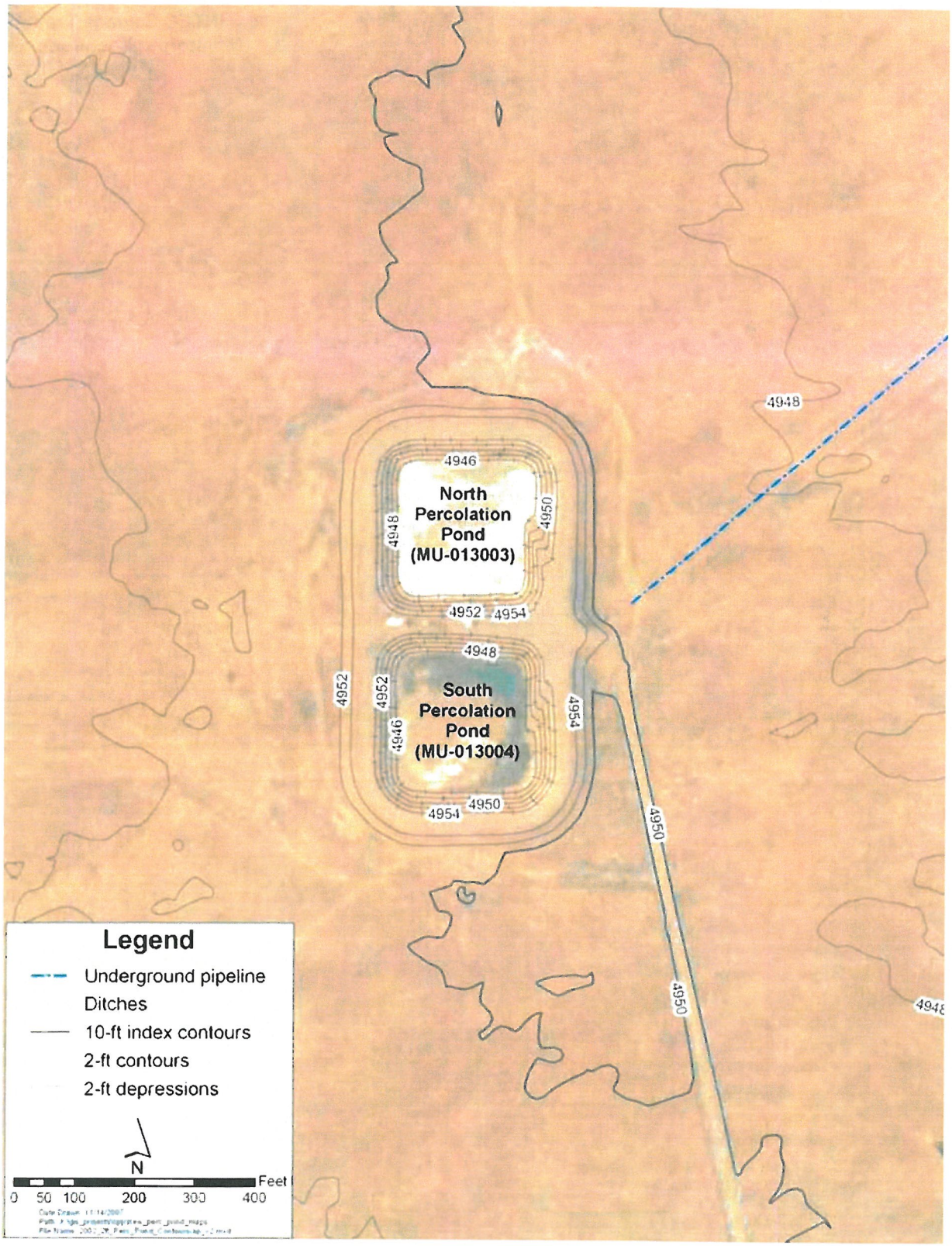
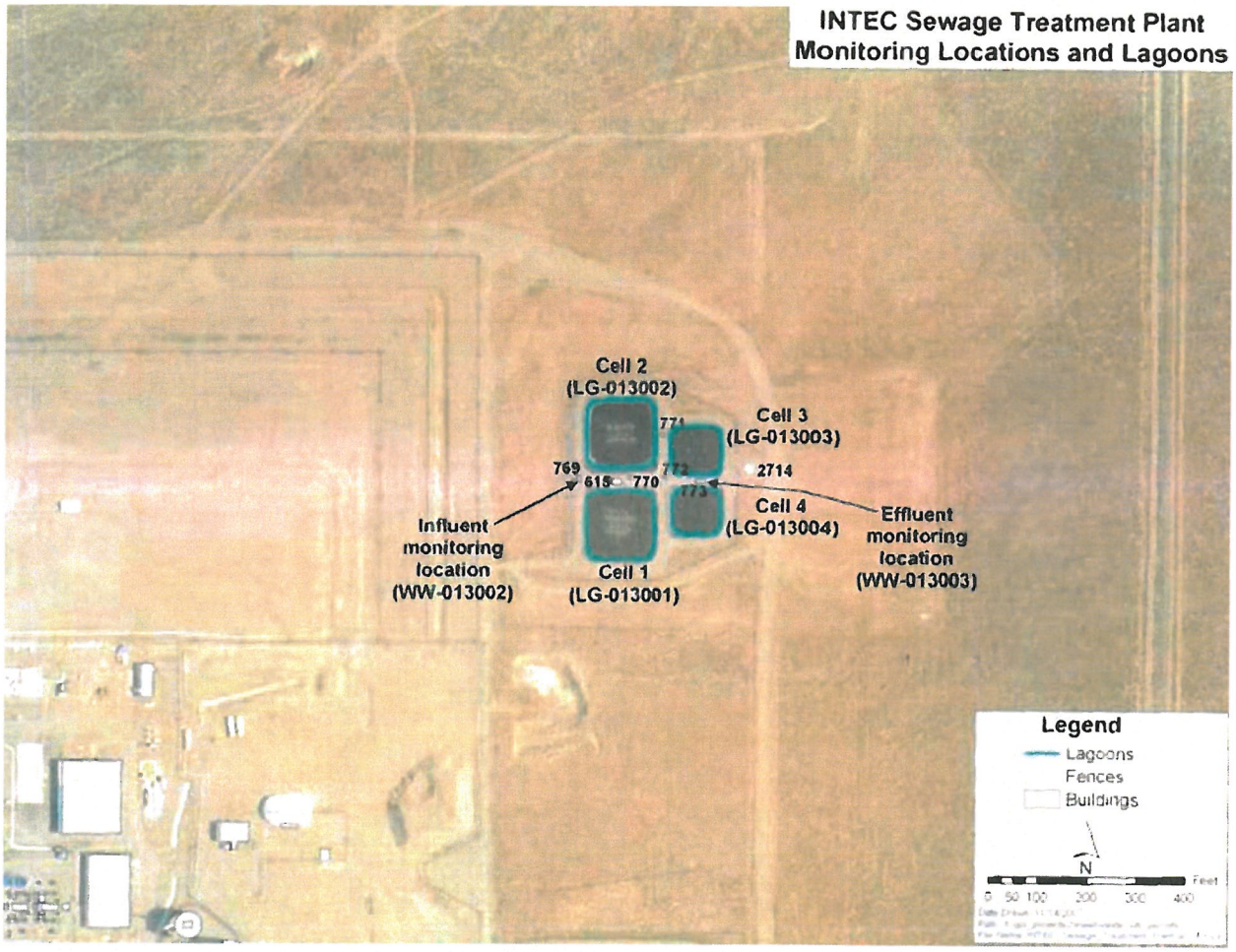

North Percolation Pond (MU-013003)
South Percolation Pond (MU-013004)
4946
4948
4950
4952
4954
Legend
Underground pipeline
Ditches
10-ft index contours
2-ft contours
2-ft depressions
N
0 50 100 200 300 400
Feet


INTEC Sewage Treatment Plant
Monitoring Locations and Lagoons
Cell 2
(LG-013002)
Cell 3
(LG-013003)
Cell 4
(LG-013004)
Cell 1
(LG-013001)
769
615
770
771
772
773
2714
Influent
monitoring
location
(WW-013002)
Effluent
monitoring
location
(WW-013003)
Legend
Lagoons
Fences
Buildings
N
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Feet