A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000225-01

City of Greenleaf, LOCATED AT **20523 N. Whittier Drive, Greenleaf, ID 83626**, IS 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 EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **5 years from date of signature**.

DRAFT _____
Pete Wagner
Boise Regional Office Administrator
Idaho Department of Environmental Quality

_____
Date

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 North Orchard
Boise, Idaho 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

		Page
A.	Permit Certificate	1
B.	Permit Contents, Appendices and Attachments	2
C.	Abbreviations, Definitions	3
D.	Facility Information	5
E.	Compliance Schedule for Required Activities	6
F.	Permit Limits and Conditions	8
G.	Monitoring Requirements	11
H.	Standard Reporting Requirements	14
I.	Standard Permit Conditions: Procedures and Reporting	15
J.	Standard Permit Conditions: Modifications, Violation, and Revocation	17

Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (CA-225-01)
2. Sampling and Analysis Plan (CA-225-02)
3. Runoff Management Plan (CA-225-03)
4. Updated Map(s) (CA-225-04)
5. Waste Solids Management Plan (Section I)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000225-01 and are enforceable as such. This permit does not relieve the City of Greenleaf, hereafter referred to as the City or the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practice(s)
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 – May 1 through October 31 (184 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
HLR_{gs}	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLR_{ngs}	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, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MBR	Membrane Bioreactor
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – November 1 through April 31 (181 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
QAPP	Quality Assurance Project Plan
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 (i.e., 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 land application treatment site.

C. Abbreviations, Definitions

Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards*.
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 land application treatment site

D. Facility Information

Legal Name of Permittee	City of Greenleaf
Type of Wastewater	Class B and Class C Municipal Wastewater
Method of Treatment	Primary Screening; Oxidation Ditch, Secondary Clarification; Filtration via Granular Media Filters; Chlorination and Slow Rate Land Application.
Type of Facility	Public
Facility Location	Northeast of the City of Greenleaf on Pekham Road
Legal Location	Township 4N, Range 4E, Section 16
County	Canyon
USGS Quad	Notus
Soils on Site	0 – 8": Silt Loam South Field: Greenleaf Silt Loam 8-17" Loam, silty clay loam, silt loam 17-60" Silt, silt loam North Field: Bram Silt Loam 8-52" Loam, silt loam, very fine sandy loam 52-65" Very sandy loam, gravelly loam
Depth to Ground Water	North Field: 5 feet or less to first ground water South Field: 20 feet or more to first ground water
Beneficial Uses of Ground Water	Domestic, agriculture
Nearest Surface Waters	• West End Drain divides the North Field and South Field flowing from southeast to northwest, and then flows along the west border of the north field and drains to the Riverside Canal. It supplies supplemental irrigation water to the North Field. • Riverside Canal borders the reuse site on the north, and flows west to the Dixie Slough which discharges to the Boise River. • Wilder Irrigation District Lateral borders the reuse site to the south, and supplies supplemental irrigation water to the South Field.
Beneficial Uses of Surface Waters	Agriculture
Responsible Official **Mailing Address** **Phone**	Mayor City of Greenleaf 20523 N. Whittier Drive Greenleaf, ID 83626 (208) 454-0552

E. Compliance Schedule for Required Activities

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

Compliance Activity Number Completion Date	Compliance Activity Description
CA-225-01 **Plan of Operation** An approved Plan of Operation is required prior to application of reuse water. An updated Plan of Operation is due 60 days after one complete year of operation of reuse facilities to reflect actual operating procedures.	A 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 prior to the use of recycled water for land application. An updated Plan of Operation, which reflects actual operating procedures, is due within 60 days after one complete year of operation of the reuse facilities. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and insure proper operation of the wastewater reuse facilities. The Plan of Operation shall include or address design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit odors. The plan shall include procedures to respond to an odor incident if one occurs, including notification procedures. Upon approval, the Plan of Operation shall be incorporated by reference into this permit and shall be enforceable as a part of this permit. Refer to IDAPA 58.01.17.300.05 for content requirements. Additionally, a checklist is available in the Guidance that can be used to assist in the preparation of a Plan of Operation, located at http://www.deq.idaho.gov/water/permits_forms/permitting/guidance.cfm
CA-225-02 **Sampling and Analysis Plan** An approved Plan is required prior to application of reuse water.	A Sampling and Analysis Plan shall be submitted to DEQ for review and approval. The plan shall include a Quality Assurance Project Plan (QAPP) for the sampling and monitoring required in Section G of this permit. At a minimum, the plan shall cover field activities, sampling frequency, laboratory analytical methods and onsite analytical activities, data verification and validation, and data storage, retrieval and assessment. Approval of this plan is required prior to commencement of wastewater reuse.
CA-225-03 **Runoff Management Plan** An updated Runoff Management Plan is due 60 days after one complete year of operation of the facilities to reflect actual operations.	Submit, for DEQ review and approval, a Runoff Management Plan updating that which was submitted with the permit application, with actual control structures and other Best Management Practices (BMPs) (e.g. collection basins, berms, etc.) designed and installed to minimize the potential for runoff from any site or fields used for wastewater reuse to property not owned by the City of Greenleaf. The plan shall also address the BMPs employed to prevent or minimize ponding.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-225-04 **Updated Map(s)** Due prior to commencement of wastewater reuse	Following construction of the hydraulic management units, submit maps delineating the actual acreages, supplemental irrigation structures and backflow prevention devices, buffer zones, berms or other runoff prevention BMPs, and any other information relevant to compliance with this permit. The map shall also identify the HMU serial numbers, sample collection locations, and flow measurement locations. Following submittal, the map(s) will be included by reference into this permit.
CA-225-04 **Permit Renewal Application** Six months prior to permit expiration date	Submit an application package to DEQ for permit renewal.

F. Permit Limits and Conditions

The permittee is allowed to apply wastewater and treat it on reuse sites as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Class B Municipal Class C allowed on the North Field in emergency situations for off-specification effluent. The permittee shall notify DEQ orally within 24 hours and in writing within 5 days upon each occurrence of the application of Class C water.
Wastewater Reuse Areas	1. North Field, Level Basins, Class B, with an allowance for emergency use of Class C wastewater. 26.2 Acres 2. South Field, Center Pivot, Class B 16.2 Acres
Growing Season (GS)	March 1 through October 31
Hydraulic Loading Rate **(includes wastewater and supplemental irrigation water)**	Growing Season (GS) Hydraulic Loading Rate shall be substantially equal to the Irrigation Water Requirement (IWR) using data from the tables of the following University of Idaho web site: http://www.kimberly.uidaho.edu/ETIdaho/ IWR is equal to the Precipitation Deficit data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the Guidance. Non-Growing Season land application is not allowed.
Total Nitrogen Application Limits (lb/acre/yr)	150% of typical crop uptake (refer to definition in Section C of this permit) NOTE: includes all sources including waste solids and supplemental fertilizers
Turbidity Limits, Class B	An in-line, continuously monitoring and recording turbidimeter is required following filtration, prior to disinfection. The following limits apply: • Effluent turbidity shall not exceed five (5) NTU based on the daily arithmetic mean of all daily measurements. • Effluent turbidity shall not exceed ten (10) NTU at any time.
Disinfection Requirement, Class B	The residual Total Chlorine shall not be less than 1 mg/L after a contact time of 30 minutes at peak flow.

F. Permit Limits and Conditions

<table>
<tr><th>Category</th><th>Permitted Limits and Conditions</th></tr>
<tr><td>Buffer Zone Distances and Disinfection Level Requirements</td><td>
The median number of Total Coliform of Class B Recycled Water shall not exceed 2.2/100mL as determined from the bacteriological results of the last seven (7) days for which analyses have been completed. The number of Total Coliform organisms shall not exceed 23/100mL in any confirmed sample.

The median number of Total Coliform of Class C Recycled Water shall not exceed 23/100mL, as determined from the bacteriological results of the last five (5) days for which analyses have been completed. No sample shall exceed 230/100mL in any confirmed sample.

The following buffer zones are required for the hydraulic management units.
<table>
<tr><th>Method of Application</th><th>Distance to Public Access</th><th>Distance to Inhabited Dwellings</th><th>Distance to Man-made canals and Ditches</th><th>Distance to Domestic Wells</th><th>Distance to Public Wells</th></tr>
<tr><td>Pressure Irrigation</td><td>0 Feet</td><td>100 Feet</td><td>50 Feet</td><td>100 Feet</td><td>1,000 Feet</td></tr>
<tr><td>Surface Spreading</td><td>0 Feet</td><td>50 Feet</td><td>20 Feet</td><td>500 Feet</td><td>1,000 Feet</td></tr>
</table>
</td></tr>
<tr><td>Fencing and Posting</td><td>
Install signs identifying the areas irrigated with reuse water: “Caution – Recycled Water – Do Not Drink” or equivalent in both Spanish and English. At a minimum, signs must be installed at each access point to the reuse application fields and at each corner of the reuse application fields.

Install signs at effluent reuse hose bib faucets indicating that water is not safe for drinking or bodily contact.
</td></tr>
<tr><td>Source Water Protection Requirements</td><td>For systems with wastewater and fresh irrigation water interconnections, DEQ approved backflow prevention devices are required.</td></tr>
<tr><td>Wastewater Treatment and Reuse System Operation</td><td>
The wastewater treatment facility and reuse systems shall be operated by personnel certified and licensed in the State of Idaho wastewater operator training program at the operator class level specified in IDAPA 58.01.16.203 of the Wastewater Rules, and properly trained to operate and maintain the systems.

Operation of the wastewater treatment system shall be monitored on a 24-hour basis for alarm conditions, including notification of the qualified operating personnel under alarm conditions.
</td></tr>
<tr><td>Ground Water Quality</td><td>Wastewater reuse activities shall not cause a violation of the Idaho Ground Water Quality Rule, IDAPA 58.01.11.</td></tr>
</table>

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Runoff	The site shall be managed in accordance with an approved Runoff Management Plan, required by Compliance Activity CA-225-03 in Section E of this permit.
Construction Plans	Detailed plans and specifications shall be reviewed and approved by DEQ prior to construction or modification of all wastewater facilities associated with the reuse system or expansion. 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. Prior to construction, modification, or expansion of any wastewater facilities associated with the reuse systems, detailed plans and specifications shall be submitted and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for DEQ review and approval.
Grazing	A Grazing Management Plan shall be submitted to DEQ for review and approval prior to any grazing activities.
Odor Management	The wastewater treatment and reuse facilities shall not create a public health hazard or nuisance conditions, including odors.

G. Monitoring Requirements

1. Appropriate analytical methods, such as those given in the Idaho Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, or otherwise approved by DEQ, shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QAPP shall be included in the Sampling and Analysis Plan, as required by Compliance Activity No. CA-225-02 in Section E of this permit.
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 Tables on the following pages. Monitoring is required at the frequency shown in the tables 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. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Continuous	Post-filtration, prior to chlorination (WW-022501)	Continuously recording in-line turbidimeter	Turbidity in NTU
Daily, when irrigating with recycled water	Recycled water flow meter	Volumetric flow rate of reclaimed wastewater to each HMU	Gallons/day, gallons/month, and acre-inches/month applied to each HMU
Daily, when using supplemental irrigation water	Flow meter or calibrated pump run time	Volumetric flow rate of supplemental irrigation water to each HMU	Gallons/month, and acre-inches/month applied to each HMU
Daily, when irrigating with reclaimed wastewater	Recycled Water (WW-022502)	Grab sample	Total Coliform
Daily, when irrigating with reclaimed wastewater	Recycled Water (WW-022502)	Grab sample or continuously recorded	Total Chlorine

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Monthly	Recycled Water (WW-022502)	24-hour composite sample	5-day Biochemical Oxygen Demand (BOD_5) Total Kjeldahl Nitrogen (TKN) Nitrate+Nitrite Nitrogen, Ammonia Total Phosphorus
Annually (April)	Each Soil Monitoring Unit (SMU)	Composite soil sample, see Note 5	Electrical conductivity Nitrate-nitrogen Ammonium nitrogen pH Plant available phosphorous
April prior to first water reuse event and April of 2015.	North Field Soil Monitoring Units (SU-022501 and SU-022502)	Composite soil sample, see Note 5	SAR Calcium Magnesium Potassium Sodium Percent organic matter
Annually	Each HMU	Calculate total nitrogen and total phosphorus loading from recycled water and fertilizer applications	Total nitrogen and total phosphorus applied in lbs/acre-year
	Each HMU	Crop Information	Crop type Acres Planted Number of Cuttings Crop yield (tons/acre, bushels/acre)
	Each HMU	Hydraulic Load	Monthly irrigation volume, from recycled water and supplemental water, in MG/mo and in/mo (compare to IWR)
	Each HMU, each cutting	Crop Nutrient Uptake calculations from plant tissue analysis	Nitrogen, phosphorous and ash removed in lbs/acre
	Each HMU	Soil amendments	Report and discuss any soil amendments added or other soil reclamation activities conducted during the reporting year

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	All supplemental irrigation pumps directly connected to the wastewater distribution system.	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.
Even years	All flow measurement locations	Flow measurement calibration	Document the flow measurement calibration of all flow meters and pumps used to measure all wastewater and supplemental irrigation water flows applied to each HMU

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 year (see section C for definition/dates of the Reuse Reporting Year). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, 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 at the following address.

   Boise Regional Office
   1445 N. Orchard
   Boise, ID 83706-2239
   208-373-0550

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

   Wastewater Program Manager
   1410 N. Hilton
   Boise, ID 83706
   208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to DEQ within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater, 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 unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. 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 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 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 Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of DEQ, or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

   DEQ Regional Office: see Permit Certification Page
   Emergency 24 Hour Number 1-800-632-8000

   d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
      i. A description of the non-compliance and its cause;
      ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
      iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

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

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

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 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 Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater, 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 Rules for the Reclamation and Reuse of Municipal and Industrial Wastewater.

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 the Department 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 the Department 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 wastewater reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the wastewater reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description		Acres
MU-022501	NE Level Basin, (north of West End Drain)	NE-1	3.5
MU-022502	NE Level Basin, (north of NE-1)	NE-2	3.7
MU-022503	NE Level Basin, (north of NE-2)	NE-3	3.8
MU-022504	NE Level Basin, (north of NE-3)	NE-4	3.8
MU-022505	NW Level Basin, (north of West End Drain)	NW-5	3.8
MU-022506	NW Level Basin, (north of NW-5)	NW-6	3.8
MU-022507	NW Level Basin, (north of NW-6)	NW-7	3.8
MU-022508	South Field, Center Pivot	CP-A (east) CP-B (west)	16.2

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-022501	North East Level Basins	MU-022501 through MU-022504
SU-022502	North West Level Basins	MU-022505 through MU-022507
SU-022503	South Field, Center Pivot	MU-022508

WASTEWATER SAMPLING POINTS

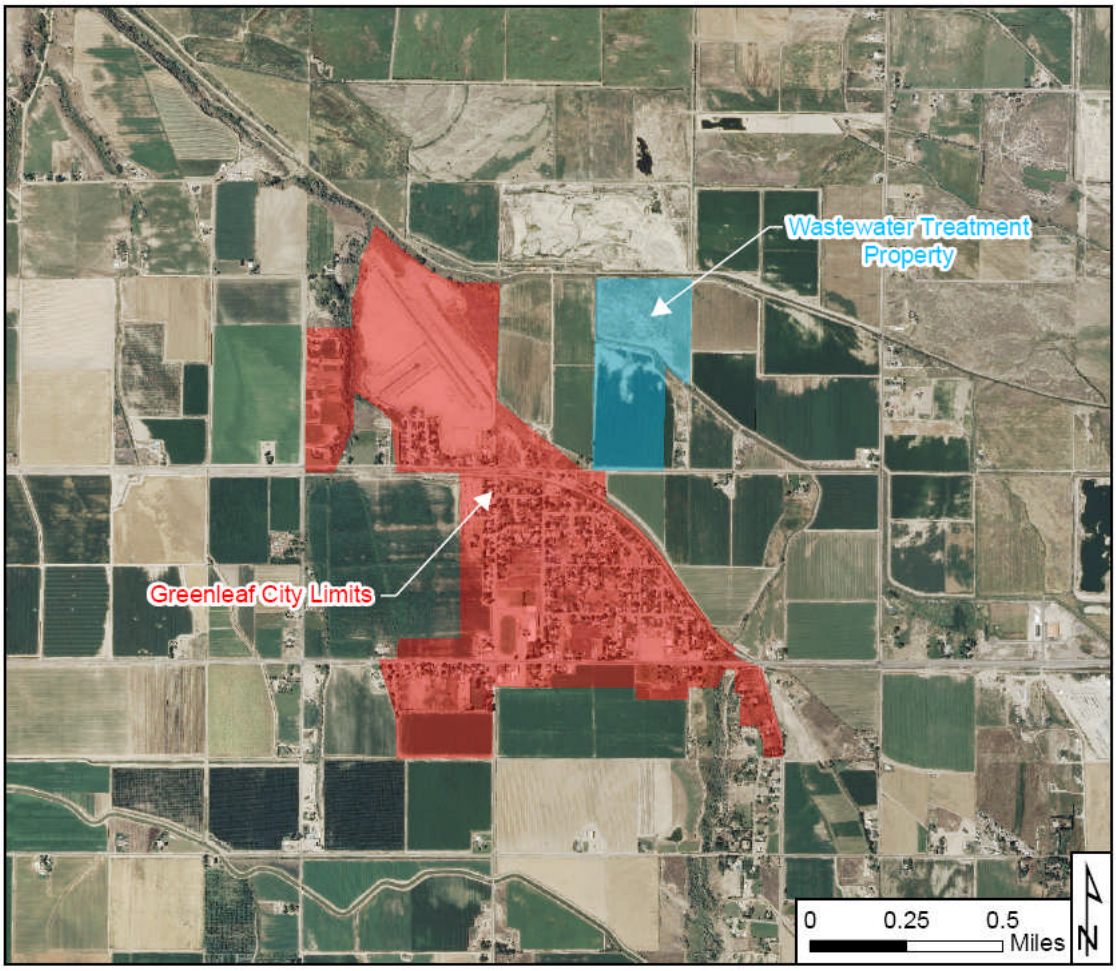
Serial Number	Description
WW-022501	Filter effluent, prior to chlorination
WW-022502	Reclaimed effluent to Land Application - Reuse Pump Station or North Field Ditch Pump

WASTEWATER LAGOONS

Serial Number	Description	Size
LG-022501	Equalization/Storage Lagoon	0.68 MG

Appendix 2
Site Maps

Figure 1: Location Map



Appendix 2
Site Maps

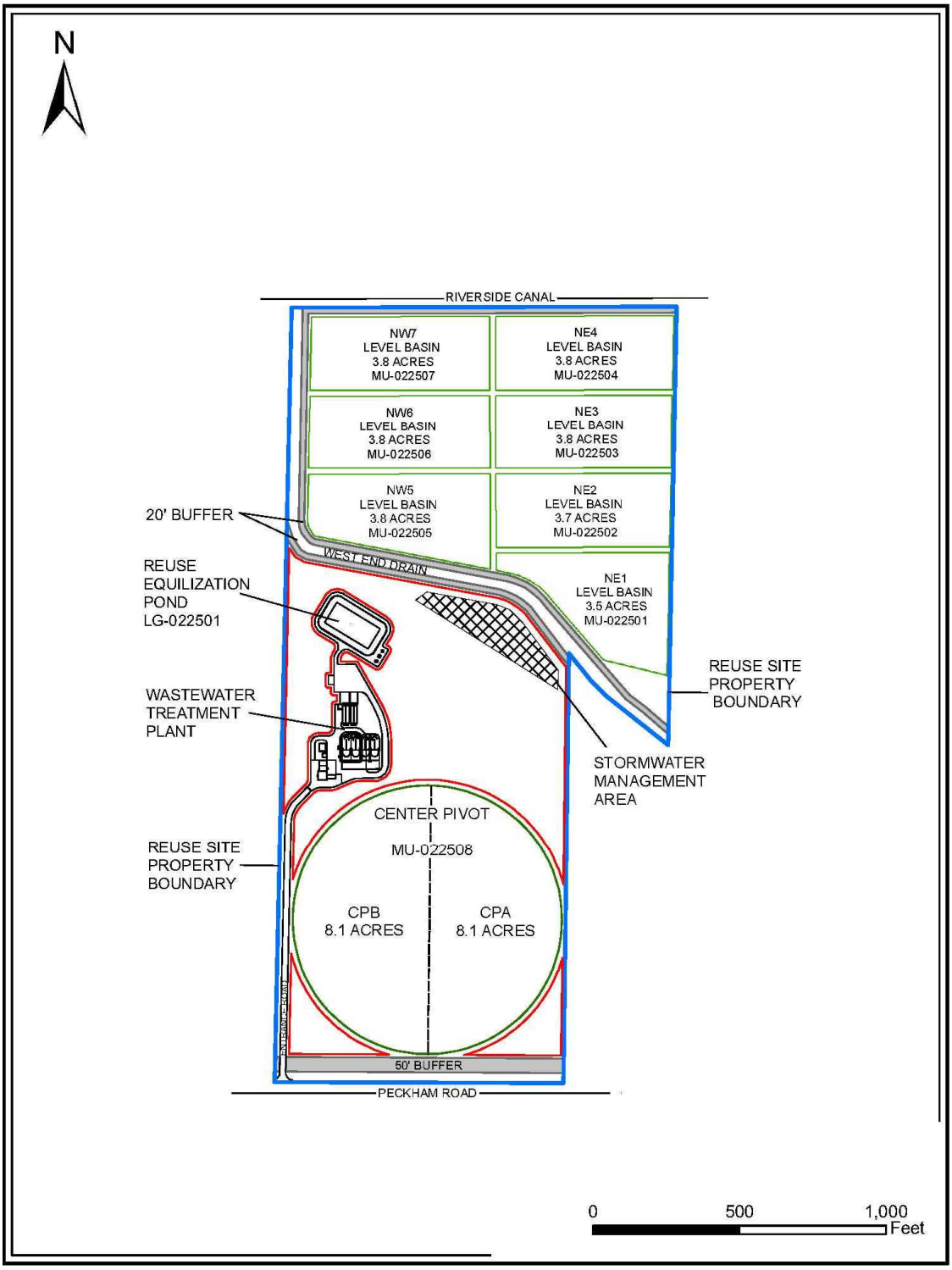



Figure 2: Hydraulic Management Units
To be updated via CA-225-04 in Section E of this permit.