A. Permit Certificate

MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000123-02
The Idaho Club

Pend Oreille Bonner Development LLC, 151 Clubhouse Lane, Sandpoint, ID 83864 at The Idaho Club LOCATED IN **Township 58 North Range 1 West Section 36, B.M.** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE RULES FOR THE RECLAMATION AND REUSE OF MUNICIPAL AND INDUSTRIAL WASTEWATER (IDAPA 58.01.17), THE WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCED DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES IN FIVE YEARS FROM THE DATE OF SIGNATURE BELOW.

Daniel C. Redline
Coeur d'Alene Regional Administrator
Department of Environmental Quality

Date: July 28, 2010

DEPARTMENT OF ENVIRONMENTAL QUALITY
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
(208) 769-1422

POSTING ON SITE RECOMMENDED

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References

1. Pilot Study Plan for Class B Wastewater Compliance (approved per CA-123-01.)
2. Record Drawings for the Phase 1 Wastewater Collection and for the Wastewater Treatment Systems (approved per CA-123-02.)
3. Plan of Operation and Operation and Maintenance Manual (approved per CA-123-03.)
4. Pilot Study Summary Report (approved per CA-123-04.)
5. Technical Report and Preliminary Plan of Operation for Wastewater Reuse Permit No. LA-000123-02 Renewal and Modification, December 11, 2006, Toothman-Orton Engineering Co.
6. Annual Report, Idaho Club Emergency 2009 Wastewater Application to the Golf Course, January 22, 2010 Water Systems Management Inc.
7. Temporary Class C Irrigation Site letter proposal dated May 17, 2010 T-O Engineers.

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000123-02 and are enforceable as such. This permit does not relieve Pend Oreille Bonner Development LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
ERU	Equivalent Residential User. Typically 1 ERU is given to one dwelling unit or equal.
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Guidance	Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to reuse hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, 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
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NTU	Nephelometric Turbidity Unit
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation

C. Abbreviations, Definitions

Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the reuse treatment site.
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)
STEG	Septic Tank Effluent Gravity collection system.
STEP	Septic Tank Effluent Pressure collection system.
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 and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WW	Wastewater applied to the reuse treatment site

D. Facility Information

Legal Name of Permittee	Pend Oreille Bonner Development LLC
Type of Wastewater	Municipal meeting Class B or Class C Wastewater Reuse standards
Method of Treatment	Primary treatment in individual septic tanks at each ERU (residence), STEG and STEP collection, aerated lagoon, coagulation and sand filtration, hypochlorination disinfection, contact time, storage, and golf course spray irrigation for Class B wastewater or non-golf course spray irrigation for Class C wastewater
Type of Facility	The Idaho Club is a Private Golf Course Club owned and developed by Pend Oreille Bonner Development LLC with residential single-family homes presently serving 65 equivalent residential units (ERUs) and ultimately serving up to 600 ERUs.
Facility Location	The site is located on 865 acres about 7 miles east of Sandpoint via Highway 200 in rural Bonner County. It is adjacent to the Pack River to the east and Moose Mountain and Lake Pend Oreille to the south.
Legal Location	Section 36 T58N R1W Boise Meridian.
County	Bonner County
USGS Quad	Oden Bay
Soils on Site	Capehorn silt loam, Colburn very fine sandy loam, Mission silt loam, Odonson silt loam, and Pend Oreille silt loam.
Depth to Ground Water	10 feet to the first aquifer and 120 feet to the regional water supply aquifer. The lower aquifer is utilized as the drinking water supply for the development. The upper and lower aquifers are represented as separated by an aquitard consisting of 60 feet of fine-grained low permeability clay.
Beneficial Uses of Ground Water	Domestic and Public Drinking water
Nearest Surface Water	Pack River, immediately adjacent to the east side of the property. No permanent streams cross the site.
Beneficial Uses of Surface Water	Cold Salmonid Spawning, Primary Contact Recreation, Domestic Water Supplies, and Special Resource Water per IDAPA 58.01.02.
Responsible Official **Mailing Address** **Phone**	Richard A. Villelli VP Incorporated 533739 Highway 95 Bonners Ferry, ID 83805 (208) 267-5629 villelli@coldreams.com Chuck Reeves Pend Oreille Bonner Development LLC 151 Clubhouse Lane Sandpoint, ID 84864 (208) 263-4062 creeves@theidahoclub.com
Facility Consultants/ Operator **Mailing Address** **Phone**	Scott McNee, P.E. T-O Engineering Co. W. 280 Prairie Avenue Coeur d'Alene, ID 83815 (208) 762-3644 smcnee@to-engineers.com Robert Hansen Water Systems Mgmt.Inc. 67 Wildhorse Trail Sandpoint, ID 83864 (208) 265-4270 Wsmibob@aol.com

E. Compliance Schedule for Required Activities

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

Compliance Activity Number Completion Date	Compliance Activity Description
CA-012301 **If necessary Prior to April 1, 2011**	**Pilot Study Plan:** If DEQ indicates that the 2010 Annual Report failed to demonstrate compliance during the 2010 irrigation season with the interim Class B wastewater standards, a pilot study is required during 2011 and thereafter until Class B compliance is achieved. Within 60 days of receipt of this Class B failure notice, the permittee shall submit to DEQ and secure approval of a Pilot Study Plan for a Class B wastewater reuse treatment system. The plan shall identify sampling, monitoring, and recording requirements necessary to document compliance of the wastewater treatment system with Class B water quality standards as well as discuss modifications, replacements, and/or operational changes to the existing treatment processes that are deemed necessary for meeting Class B standards. All applications to the land during this pilot study period shall utilize the Class C application areas unless DEQ approves otherwise.
CA-012302 **Prior to 60 days after permit issuance**	**Record Drawings:** Submittal of record drawings certified by the engineer for all drinking water and wastewater systems improvements completed to date. Identification of when water and sewer improvements previously approved for construction will be completed and when the related record drawings will be submitted to the Department. **Plan of Operation:** Submittal of an outline or draft Plan of Operation and the draft Operation and Maintenance (O&M) Manual for the wastewater treatment and reuse facilities shall be submitted by the design engineer. DEQ shall comment on the draft documents.
CA-012303 **Prior to 120 days after permit issuance**	**Flow Monitoring:** Completion of the power and control systems for the two flow meters installed on the lagoon influent mains with notification by the engineer in writing to DEQ that both flow meters are operational and being monitored and recorded by the system operators.
CA-012304 **Prior to 180 days after permit issuance**	**Plan of Operation and O&M Manual:** A copy of the final Plan of Operation and the final Operation and Maintenance (O&M) Manual for the wastewater treatment and reuse facilities shall be submitted by the design engineer. The final documents shall reflect resolution of DEQ comments on the draft versions of each document. Upon approval, the Plan of Operation and O&M Manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-012305 **Prior to January 31, 2012**	**Pilot Test Report:** If CA-012301 is implemented, submittal of pilot testing data compiled in 2011 and an evaluation report by the engineer regarding compliance to date with Class B standards. This report can be included in the 2011Annual Report.

F. Permit Limits and Conditions

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

<table>
<tr><th>Category</th><th>Permitted Limits and Conditions</th></tr>
<tr><td>Type of Wastewater</td><td>Class B or C Municipal Wastewater</td></tr>
<tr><td>Application Site Area</td><td>Class B: About 81 acres of golf course at The Idaho Club
Class C: About 7.75 acres of non-golf course area as identified on map in appendix</td></tr>
<tr><td>Application Season</td><td>May 1st to October 31st</td></tr>
<tr><td>Growing Season (GS)</td><td>May 1st to October 31st</td></tr>
<tr><td>Non-Growing Season (NGS)</td><td>Not allowed.</td></tr>
<tr><td>Certified Operator(s)</td><td>The facility shall meet the requirements of IDAPA 58.01.16.203 and .204. The Responsible Charge Operator and Substitute Responsible Charge Operator shall be identified in each Annual Report. DEQ has determined the Idaho Club wastewater system needs operators with Class I collection; Class II treatment; and Wastewater Land Application licenses.</td></tr>
<tr><td>Reporting Year for Annual Loading Rates</td><td>May 1st to October 31st</td></tr>
<tr><td>Maximum Hydraulic Loading Rate, Growing Season (includes wastewater and supplemental irrigation water, if used)</td><td>Hydraulic Loading Rate for either Class B or Class C application areas shall be no greater than the monthly irrigation requirements as follows:
<table>
<tr><th>Month</th><th>Irrigation Rates</th><th>Ave. Effective Precipitation</th></tr>
<tr><td>May</td><td>2.9 in.</td><td>1.7 in.</td></tr>
<tr><td>June</td><td>3.6 in.</td><td>1.7 in.</td></tr>
<tr><td>July</td><td>4.6 in.</td><td>1.0 in.</td></tr>
<tr><td>August</td><td>3.5 in.</td><td>1.2 in.</td></tr>
<tr><td>September</td><td>2.6 in.</td><td>1.1 in.</td></tr>
<tr><td>October</td><td>1.1 in.</td><td>1.0 in.</td></tr>
<tr><td>Total</td><td>18.3 in.</td><td></td></tr>
</table>
Irrigation rates are based on average precipitation received for each month. Irrigation shall not take place during adverse weather conditions, during periods of public use of the golf course, or when the ground water at the irrigation management unit is within 36-inches of the ground surface.</td></tr>
<tr><td>Turbidity</td><td>Class B: For 2010: The daily arithmetic mean of all measurements of turbidity shall not exceed five (5) NTU, and turbidity shall not exceed ten (10) NTU at any time in excess of five minutes. Turbidity shall be measured continuously when producing wastewater. The turbidity standard shall be met prior to disinfection.
For 2011-2014: Class B wastewater shall comply with the turbidity standards in effect in IDAPA 58.01.17.

Class C: Not applicable</td></tr>
<tr><td>Chlorine residual</td><td>Class B: Residual chlorine at the point of compliance shall be not less than one (1) mg/L free chlorine after a contact time of thirty (30) minutes at peak flow.

Class C: Not applicable</td></tr>
</table>

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Disinfection	Class B: The median number of total coliform organisms shall not exceed two and two-tenths (2.2) per one hundred (100) milliliters, and shall not exceed twenty-three (23) per one hundred (100) milliliters in any confirmed sample, as determined from the bacteriological results of the last seven (7) days for which analyses have been completed. Analysis shall be based on daily sampling during periods of application. The point of compliance shall be at any point in the system following final treatment and disinfection contact time. Class C: The median number of total coliform organisms shall not exceed two and two-tenths (2.2) per one hundred (100) milliliters, and shall not exceed twenty-three (23) per one hundred (100) milliliters in any confirmed sample, as determined from the bacteriological results of the last seven (7) days for which analyses have been completed. Analysis shall be based on daily sampling during periods of application. The point of compliance shall be at any point in the system following final treatment and disinfection contact time.
Runoff	1. No runoff of wastewater allowed. 2. Sprinkler irrigation: Operate and maintain structures and BMPs for supplemental irrigation water sediment control in accordance with county and state guidelines.
Ground Water Quality	Ground Water Quality shall be in compliance with *Idaho Ground Water Quality Rule* IDAPA 58.01.11
Grazing	No grazing allowed.
Allowable crops	Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed. Class B wastewater supplemented by other irrigation water from the Pack River shall be applied by sprinkler irrigation to golf course turf grasses. Class C application areas shall be grass vegetated such that the plants are capable of maximum utilization of the applied wastewater. No supplemental irrigation water shall be applied to the Class C application areas.
Fencing and Posting	The 7.65 MG wastewater lagoon and Class B treatment facilities shall be fenced on all sides with a DEQ approved fencing system. Warning signs regarding the nature of the premises shall be posted every 150-feet of the fence. Irrigation Ponds A-C do not require fencing and signage as long as they receive Class B wastewater. Class C reuse areas shall be fenced with woven pasture wire and must be signed every 150 feet of the perimeter with warnings indicating application of treated wastewater.

Buffer Zone Distances (based on sprinkler irrigation)	**Class**	**Distance to Public Access**	**Distances to Inhabited Dwellings**	**Distance to streams**	**Distance to private water sources**	**Distance to public water sources**	**Single sample maximum total coliform level**
	Class B	0 feet	25 feet	5 feet	500 ft.	100 ft.	23/100 ml
	Class C	0 feet	150 feet	5 feet	500 ft.	100 ft.	23/100 ml

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater* or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
2) The permittee shall monitor and measure parameters and submit information 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) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
7) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
8) Surface water sampling guidance: DEQ to review and approve methods, timing and locations for sampling prior to initial sampling event.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Weekly: May 1st to October 31st Monthly: Nov. 1st to April 30th	Discharge into 7.65 MG Lagoon (LG-012301)	Volume of Wastewater measured by flow meters on gravity and pressure sewer inlet mains	Gallons
Daily (when discharging Class B or C wastewater) with monthly and annual totals	Discharge Point of Wastewater to Irrigation Ponds A-C.	Volume of Wastewater measured by flow meters on effluent pumps.	Gallons
Daily with monthly and annual totals.	Supplemental Irrigation Water to Irrigation Ponds A-C. (WW-000123-4)	Volume of water measured by flow meters on river intake pumps.	Gallons
Daily (when irrigating) with monthly and annual totals.	Irrigation Pumps	Volume of water applied to each HMU.	Gallons
Monthly with annual total	Each HMU	Calculation	Inches of applied irrigation water
May through October Rainfall Events with Monthly Totals	7.65 MG Lagoon (LG-012301)	Rain Gauge	Inches of precipitation

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Once prior to start of irrigation and then weekly until depth to water exceeds 48 inches below ground surface.	48-inch deep Piezometer at each HMU (GW-012306 to GW-012308)	Depth from surface to ground water	Inches
Annual Water Balance	Multiple locations and data sources.	Calculations from collected data.	Similar to Appendix J of Reference 5.
Continuous (when discharging Class B wastewater)	Prior to disinfection (WW-012303)	Turbidity on a continuous and automatically recorded basis	Nephelometric Turbidity Units (NTU)
Daily (when discharging Class B wastewater)	Prior to disinfection (WW-012303)	Calculation of Arithmetic Mean of Turbidity	Nephelometric Turbidity Units (NTU)
Daily (when discharging Class B or C wastewater)	After filtration, disinfection, and 30 minutes of contact time. (WW-012305)	Grab Sample	Total Coliform Bacteria (organisms/100 ml.)
Daily or Continuous (when discharging Class B wastewater)	After 30 minutes of contact time. (WW-012305)	Grab sample or continuous monitoring.	Free chlorine residual, mg/l
Annually	All flow or volume measurement locations. (WW-012301 to 09)	Flow measurement and monitoring equipment calibrations.	Document the flow measurement and monitoring equipment calibrations per manufacturer's instructions.
April of 2011 and 2013.	Monitoring Wells, GW-012301 to 05	Grab sample	Specific Conductivity, Total Dissolved Solids (TDS), Nitrite + Nitrate Nitrogen, and Chloride.

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 F for reuse reporting period). 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 in the following Regional DEQ Office.

   Coeur d'Alene Regional Office
   2110 Ironwood Parkway
   Coeur d'Alene, ID 83814
   208-769-1422

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

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

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

a. Apply wastewater as evenly as practicable to the treatment area;
b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

a. Enter the permitted facility,
b. Inspect any records that must be kept under the conditions of the permit.
c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

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

DEQ Regional Office: see Permit 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 Waste Water 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 the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

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

Appendix

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-012301	All golf course irrigated areas south of Highway 200	28
MU-012302	All golf course irrigated areas north of Highway 200	53
MU-012303	Class C Irrigation	7.75

WASTEWATER SAMPLING & MONITORING POINTS

Serial Number	Description
WW-012301-2	7.65 MG Wastewater Lagoon Inlet Flow Meter WW-012301 - Gravity Line Flow Meter. WW-012302 – Pressure Line Flow Meter
WW-012303	Dosing Pump Station Flow Meter.
WW-012304	Following filtration and prior to disinfection.
WW-012305	Irrigation Pump Station Flow Meter
WW-012306	After disinfection and 30 minutes of chlorine contact.
WW-012307	Pack River Irrigation Pump Station Flow Meter.
WW-012308 WW-012309 WW-012310	Irrigation Pond A, Irrigation Pond B, and Irrigation Pond C water level staff gauges.
WW-012311	Golf Irrigation Pump Station Flow Meter.

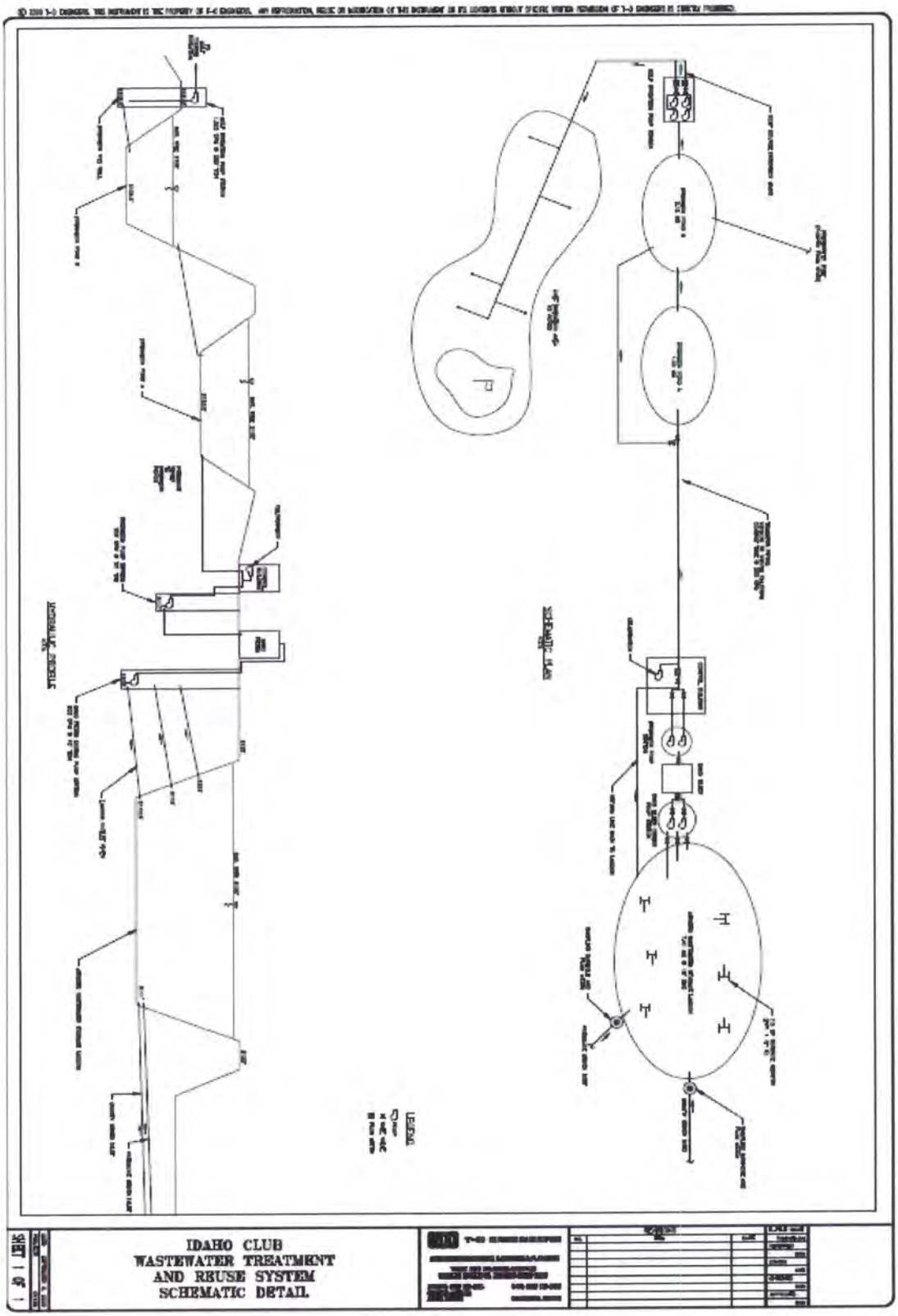
Appendix

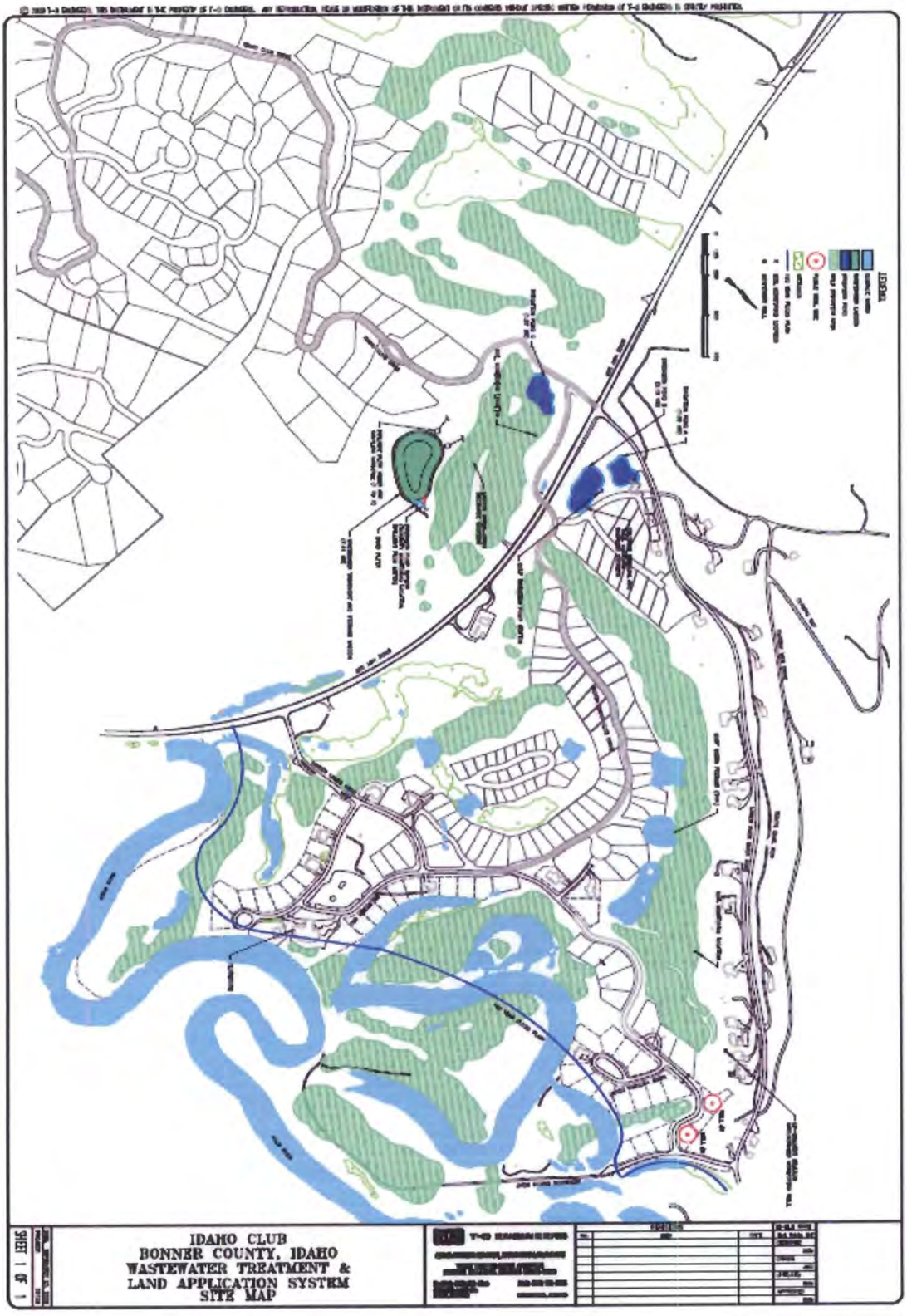
GROUND WATER MONITORING

Serial Number	Description	Location
GW-012301	The Idaho Club public drinking water well #1	IDWR Tag. No.D00137991
GW-012302	Harriman 1986 Domestic Well	Section 2
GW-012303	Klay 1986 Domestic Well	Section 36
GW-012304	Bill Berry 1979 Domestic Well	Section 36
GW-012305	Jim/Bill Berry 1985 Domestic Well	Section 31
GW-012306 to GW-012308	Shallow (48") Piezometers – one per HMU	Golf Course

LAGOONS

Serial Number	Description
LG-012301	7.65 MG Aerated Wastewater Lagoon
LG-012302	Irrigation Pond A (1.09 MG capacity)
LG-012303	Irrigation Pond B (2.12 MG capacity)
LG-012304	Irrigation Pond C (1.57 MG capacity)

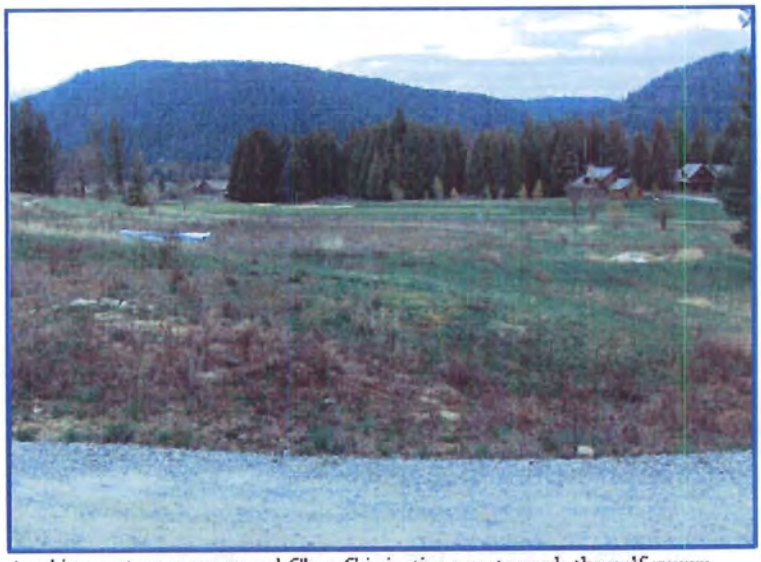

IDAHO CLUB
WASTEWATER TREATMENT
AND REUSE SYSTEM
SCHEMATIC DETAIL


IDAHO CLUB
BONNER COUNTY, IDAHO
WASTEWATER TREATMENT &
LAND APPLICATION SYSTEM
SITE MAP



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BONNER COUNTY, IDAHO
WASTEWATER TREATMENT &
LAND APPLICATION SYSTEM
SITE MAP
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Looking east across proposed Class C irrigation area towards the golf course.



South side of proposed Class C irrigation area looking east.