Idaho Department of Environmental Quality
Reuse Permit
M-255-01

City of Nampa (hereafter "permittee") is hereby authorized to construct, install, and operate a reuse facility in accordance with (1) this permit; (2) IDAPA 58.01.17 "Recycled Water Rules"; (3) an approved plan of operation; and (4) all other applicable federal, state, and local laws, statutes, and rules. This permit is effective from the date of signature and expires on January 21, 2030.

Signature

1/21/2020
Date

Aaron Scheff
Regional Administrator
Boise Regional Office
Idaho Department of Environmental Quality

Idaho Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, ID 83706
208-373-0550

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1. Common Acronyms/Abbreviations and Definitions

BOD_5	5 day biochemical oxygen demand
CA	compliance activity
COD	chemical oxygen demand
cfs	cubic feet per second
cwt	a unit of weight measurement equal to 100 pounds
DEQ	Idaho Department of Environmental Quality
director	DEQ director or designee unless otherwise specified
E_i	irrigation efficiency
EPA	United States Environmental Protection Agency
FM	prefix for flow measurement/monitoring location, device, or method reporting serial number
growing season	May 1 through September 30
GW	prefix for ground water reporting serial number
IDAPA	Numbering designation for all administrative rules in Idaho promulgated according to the Idaho Administrative Procedure Act
IDWR	Idaho Department of Water Resources
IPDES	Idaho Pollutant Discharge Elimination System
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.
lb	pound
LG	prefix for lagoon reporting serial number
material change	a change in a document required by this permit that would impact DEQ's ability to ensure compliance and protect human health and the environment
µmhos/cm	micromhos per centimeter
MG	million gallons
mg/kg	milligram per kilogram
mg/L	milligram per liter
mJ/cm^2	millijoules per square centimeter
mL	milliliter
mW/cm^2	milliwatt per square centimeter

MU	management unit, prefix for management unit reporting environmental serial number
nm	nanometers
NPDES	National Pollutant Discharge Elimination System
NTU	nephelometric turbidity unit
N	nitrogen
ppm	parts per million
P	phosphorus
PO	plan of operation
QAPP	quality assurance project plan
responsible official	facility contact person authorized by the permittee to communicate with DEQ on behalf of the permittee on any matter related to the permit, including without limitation, the authority to communicate with and receive notices from DEQ regarding notices of violation or non-compliance, permit violations, permit enforcement, and permit revocation. The responsible official provides written certification of permit application materials, annual report submittals, and other information submitted to DEQ as required by the permit. Any notice to or communication with the responsible official is considered a notice to or communication with the permittee. The responsible official may designate an authorized representative to act as the facility contact person for any of the activities or duties related to the permit, except signing and certifying the permit application, which must be done by the responsible official. The authorized representative shall act as the responsible official and shall bind the permittee as described in this definition. Designation of the authorized representative shall follow the requirements specified in section 6.1.3 of the permit.
reuse guidance	Guidance for the Reclamation and Reuse of Municipal and Industrial Wastewater, or as updated
SU	prefix for soil monitoring unit reporting serial number
SW	prefix for supplemental irrigation water reporting serial number
WW	prefix for wastewater reporting serial number
yr	year

2. Facility Information

Information Type	Information Specific to This Permit
Type(s) of recycled water	Class A Municipal Water
Method of treatment and reuse	Headworks, primary clarification, activated sludge secondary treatment, tertiary filtration, disinfection Reuse: Irrigation Water Supply Augmentation, Industrial Water Supply 3065 MG, 31 cfs, based on a maximum monthly flow, proposed for addition to the Phyllis Canal (part of the Pioneer Irrigation District) Distribution to the Pioneer Irrigation District service area below the discharge point; see maps in Section 11.2. 2 MG/day proposed for future industrial reuse
Collection and treatment system classification	Wastewater collection system classification: Class IV Wastewater treatment system classification: Class IV
Facility location	340 W Railroad St., Nampa, ID 83867 T3N, R2W, Section 16
Facility mailing address	411 3rd St S, Nampa, ID 83651
Facility responsible official and authorized representative	Responsible Official: Tom Points, Public Works Director, 411 3rd St S. Nampa, ID 83651, 208-465-2200 Authorized Representative: Andy Zimmerman, Wastewater Superintendent, 411 3rd St S. Nampa, ID 83651, 208-465-2200 Notify DEQ within 30 days if a change in personnel occurs for any of the facility contacts. DEQ will issue a minor permit modification to confirm the change.
Ground water	Depth to seasonal high ground water: 5-35 ft below ground surface Shallow aquifer generally flows west Much of the area served by Pioneer Irrigation District is within the Ada Canyon Nitrate Priority Area
Surface water	Lower Boise River, HUC 17050114, SW-1, designated beneficial uses are cold water aquatic life and primary contact recreation Indian Creek, tributary to the Boise River, HUC 17050114, SW-2, designated beneficial uses are cold water aquatic life and secondary contact recreation. Agricultural water supply, industrial water supply, wildlife habitats, and aesthetics also apply (IDAPA 58.01.02.100.03, 04, and 05).

3. Compliance Schedule for Required Activities

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-255-01 DEQ approval required prior to commencement of Class A water production	**Filtration Technology:** Submit to DEQ for review and approval documentation showing that the proposed Class A filtration technology meets IDAPA 58.01.17.610. **UV Disinfection Technology:** Submit to DEQ for review and approval documentation showing that the proposed UV disinfection technology meets the requirements for Class A disinfection in IDAPA 58.01.17.601.01 and the California Water Boards, Alternative Treatment Technology Report for Recycled Water. **Reliability and Redundancy:** Submit to DEQ for review and approval documentation showing how the system meets the requirements of IDAPA 58.01.17.611.
CA-255-02 Submittal required 6 months prior to planned commencement of Class A water production	**Plan of Operation (PO)**: The permittee shall submit to DEQ for review and approval a PO that reflects current operations and incorporates the requirements of this permit. The PO shall comply with the applicable requirements stated in IDAPA 58.01.17.300.05 and shall address applicable items in the most current PO checklist. The PO shall include the following site management plans or the permittee may submit the site management plans individually: 1. Emergency operating plan 2. Procedures to eliminate operational spills to Moses Drain 3. Recording and reporting procedures for emergency use of spillways The PO shall be updated as needed to reflect current operations. The permittee shall notify DEQ of material changes to the PO and copies shall be kept on site and made available to DEQ upon request.

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-255-03 Submittal required 6 months prior to planned commencement of Class A water production	**Quality Assurance Project Plan (QAPP)**: The permittee shall prepare and implement a QAPP that incorporates all monitoring and reporting required by this permit. A copy of the QAPP along with written notice that the permittee has implemented the QAPP shall be provided to DEQ. The Permittee must follow the QAPP when collecting, analyzing, and reporting monitoring data submitted to DEQ. The QAPP shall be designed to assist in planning for collecting, analyzing, and reporting all monitoring in support of this permit and in explaining data anomalies when they occur. At a minimum, the QAPP must include the following: 1. Details on the number of measurements, number of samples, type of sample containers, preservation of samples, holding times, analytical methods, analytical detection and quantitation limits for each target compound, type and number of quality assurance field samples, precision and accuracy requirements, sample preparation requirements, sample shipping methods, and laboratory data delivery requirements 2. Maps indicating the location of each monitoring and sampling point 3. Qualification and training of personnel 4. Names, addresses, and telephone numbers of the laboratories used by or proposed to be used by the permittee 5. Example formats and tables that will be used by the permittee to summarize and present all data in the annual report The format and content of the QAPP should adhere to the recommendations and references in the Quality Assurance and Data Processing sections of the reuse guidance. The permittee shall amend the QAPP whenever there is a modification in sample collection, sample analysis, or other procedure addressed by the QAPP. The permittee shall notify DEQ of material changes to the QAPP and copies shall be kept on site and made available to DEQ upon request.
CA-255-04 Submit within one year of permit issuance	**Public Education Plan:** Submit to DEQ for review and approval a report outlining and describing the aspects of the Public Education Plan and how it has been implemented, and will continue to be implemented into the future. The report shall be provided within one year of permit issuance. The Public Education Program shall include notification of individual users of the origin of the augmentation water, the concept of agronomic rate for applying Class A recycled water, and benefits and responsibilities of using Class A recycled water.

Compliance Activity (CA) Number and Completion Due Date	Compliance Activity Description
CA-255-05 Approvals required prior to connection of an industrial user	**Industrial Reuse Program:** Prior to implementing a program to provide recycled water to industrial users, submit to DEQ for review and approval a general plan for connection of industrial users to the Class A recycled water network. Include a procedure for notifying DEQ of each new industrial user to be connected to the network. As a requirement of IDAPA 58.01.17.607.02.e, industrial users of recycled water are required to sign a utility user agreement. Include this agreement in the submittal. Submittal and DEQ approval of a Preliminary Engineering Report containing the necessary detail for supplying recycled water and providing the connection to the user, and Plans and Specifications for the upgrades, is required prior to any construction.
CA-255-06 18 months prior to permit expiration	**Pre-application Conference:** If the permittee intends to continue operating the reuse facility beyond the expiration date of this permit, the permittee shall contact DEQ and schedule a pre-application conference to discuss the compliance status of the facility and the content required for the reuse permit application package.
CA-255-07 1 year prior to permit expiration	**Renewal Permit Application:** The permittee shall submit to DEQ a complete permit renewal application package that fulfills the requirements specified in CA-255-06 and identified at the pre-application conference.

4. Permit Limits and Conditions

4.1 Management Unit Descriptions

Serial Number	Description	Irrigation System Type and Irrigation Efficiency (E_i)	Maximum Acres Allowed
MU-255-01	Irrigation Water Augmentation – Phyllis Canal	Not Applicable	Not Applicable
MU-255-02	Industrial Reuse	Not Applicable	Not Applicable

4.2 Hydraulic Loading Limits – not applicable

4.3 Constituent Loading Limits – not applicable

4.4 Buffer Zones – not applicable

4.5 Other Permit Limits and Conditions

Category	Permit Limits and Conditions
Growing season	May 1 through September 30 (153 days)
Non-growing season	October 1 through April 30 (212 days)
Reporting year for annual loading rates	October 1 through September 30
Allowable Uses	• Irrigation Water Supply Augmentation. Recycled water may be discharged to Phyllis Canal during the growing season for irrigation water supply augmentation; the requirements herein shall apply to the recycled water until the point where the water is discharged to the Phyllis Canal. • Industrial Water Supply. Recycled water may be provided to industrial users year-round; the requirements herein shall apply to recycled water until the point of connection to the industrial user.
Operator certification and endorsement	The wastewater treatment facility 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 and properly trained to operate and maintain the system.
Disinfection limits in recycled water	The median number of total coliform organisms at the point of compliance (WW-255-03) shall not exceed 2.2 total coliform organisms/100 mL, as determined from the bacteriological results of the last seven days for which analyses have been completed. No sample shall exceed 23 total coliform organisms/100 mL in any confirmed sample. A UV dose of at least 80 mJ/cm^2 (for membrane filtration) or 100 mJ/cm^2 (for media filtration) shall be maintained at all times. This dose shall be evidenced by UV transmittance and intensity data monitored as part of routine operations (WW-255-02). The filtered UV transmittance shall be 55% or greater (for media filtration) or 65% or greater (for membrane filtration) at 254 nm, or as approved by DEQ based on historic operational data.
Turbidity limits in treated effluent prior to disinfection during periods of recycled water production	• Daily arithmetic mean of all measurements of turbidity shall not exceed 2 NTU (if media filters are used) or 0.2 NTU (if membrane filters are used) • Turbidity shall not exceed 5 NTU (if media filters are used) or 0.5 NTU (if membrane filters are used) at any time • When the continuous turbidity measurements are above the instantaneous limit of 5 NTU (if media filters are used) or 0.5 NTU (if membrane filters are used) for more than five minutes, filtered effluent shall be automatically diverted until such time as the effluent is below the instantaneous limit
pH	pH at the point of compliance (WW-255-04) shall be between 6.0 and 9.0
Nitrogen	Total nitrogen at the point of compliance (WW-255-05) shall not exceed 30 mg/L, as a monthly arithmetic mean calculated as the sum of all daily discharges measured for total nitrogen during the calendar month, divided by the number of daily discharges measured for total nitrogen during that month

Category	Permit Limits and Conditions
Phosphorus (irrigation water supply augmentation, growing season only)	Total phosphorus at the point of compliance (WW-255-05) shall not exceed 0.35 mg/L as a seasonal average calculated as the sum of all daily discharges measured for total phosphorus during the season, divided by the number of daily discharges measured for total phosphorus during that season
Five (5) Day Biochemical Oxygen Demand (BOD_5)	BOD_5 at the point of compliance (WW-255-05) shall not exceed 10 mg/L as a monthly arithmetic mean calculated as the sum of all daily discharges measured for BOD_5 during the calendar month, divided by the number of daily discharges measured for total nitrogen during that month
Construction plans	Pursuant to Idaho Code §39-118, IDAPA 58.01.16, and IDAPA 58.01.17, detailed plans and specifications shall be submitted to DEQ for review and approval before construction, modification, or expansion of any wastewater treatment, storage, conveyance structures, ground water monitoring wells, or reuse facility. Inspection requirements shall be satisfied and the permittee shall submit as-built plans or a letter from a professional engineer licensed in the State of Idaho certifying the facilities or structures were constructed in substantial accordance with the approved plans and specifications.
Flow meter calibration/verification	Document the flow measurement calibration/verification of all flow meters and pumps used directly or indirectly to measure recycled water, when such devices are used to assess or demonstrate compliance.
Backflow prevention	Backflow prevention is required to protect surface water and ground water from an unauthorized discharge of recycled water or wastewater. Refer to section 9.1.1 of this permit.
Records retention requirements	Keep records generated to meet the requirements of this permit for the duration of permit, including administrative extensions, plus 2 years.
Pumping facilities identification and signage	• All exposed and above ground piping, risers, fittings, pumps, valves, etc., shall be painted purple color (Pantone 512, 522 or other equivalent product acceptable to DEQ). In addition, all piping shall be identified using an accepted means of labeling reading “Caution: Recycled Water - Do Not Drink” or equivalent signage in both Spanish and English. In a fenced pump station area, signs shall be posted on the fence on all sides. • Designated facilities using Class A recycled water from a pumping facility, such as, but not limited to, controller panels and washdown or blow-off hydrants on water trucks, hose bibs, and temporary construction services, shall have warning labels installed. The labels shall read, “Caution: Recycled Water - Do Not Drink” or equivalent signage, in both Spanish and English.

Category	Permit Limits and Conditions
Distribution system identification and signage	• Permittee shall implement requirements for private piping connecting industrial users to permittee's distribution system. • All new buried pipe conveying Class A Recycled Water, including service lines, valves, and other appurtenances, shall be colored purple, and the precise color used, e.g., Pantone 512, 522 or equivalent, shall be consistently used throughout the system. The precise color proposed for use shall be identified in plans and specifications. If fading or discoloration of the purple pipe is experienced during construction, identification tape or locating wire along the pipe is required. Label piping every ten (10) feet "Caution: Recycled Water - Do Not Drink" or equivalent signage in both Spanish and English. • If identification tape is installed along with the purple pipe, it shall be prepared with white or black printing on a purple color field as approved by DEQ, having the words, "Caution: Recycled Water - Do Not Drink" or equivalent signage in both Spanish and English. The overall width of the tape shall be at least three (3) inches. Identification tape shall be installed eighteen (18) inches above the transmission pipe longitudinally, shall be centered over the pipe, and shall run continuously along the length of the pipe. • All new valves shall have locking valve covers that are non-interchangeable with potable water valve covers, and shall have an inscription cast on the top surface stating "Recycled Water" or equivalent. • All above ground pipes and pumps shall be consistently color coded (purple) and marked to differentiate Class A recycled water facilities from potable water facilities.
User Agreements	Users of industrial water shall be required to sign a user utility agreement; see CA-255-05 and IDAPA 58.01.17.607.02.e

5. Monitoring Requirements

5.1 Recycled Water and Supplemental Irrigation Water Sampling and Analyses

5.1.1 Constituent Monitoring during periods of Class A water production

Monitoring Point Serial Number and Location	Sample Description	Sample Type and Frequency	Constituents (mg/L unless otherwise specified)
WW-255-01 Recycled water prior to disinfection	Recycled water prior to disinfection	Continuous monitoring with recorded value every 15 minutes	Turbidity (NTU)
WW-255-02 Recycled water during disinfection	Recycled water during disinfection	Continuous monitoring with recorded value every 15 minutes	UV Transmittance (%) UV Intensity (mW/cm^2)
WW-255-03 Recycled water following disinfection	Recycled water to MU-255-01 or MU-255-02	Grab/daily	Total coliform (organisms/100 mL)
WW-255-04 Recycled water following disinfection	Recycled water to MU-255-01 or MU-255-02	Grab/daily or continuous monitoring with recorded value every 15 minutes	pH (standard units)
WW-255-05 Recycled water following disinfection	Recycled water to MU-255-01 or MU-255-02	24-hour Composite/weekly (during periods of use)	BOD_5 Total nitrogen
		24-hour Composite/weekly (during periods of discharge to Phyllis Canal)	Total phosphorus
		24-hour Composite/weekly (first growing season of discharge to Phyllis Canal) Composite/monthly (first full year of use only)	Non-volatile dissolved solids

5.1.2 Management Unit and Other Flow Monitoring

Management Unit or Flow Measurement Serial Number and Location	Monitoring Description	Monitoring Type and Frequency	Parameters, each MU or FM
FM-255-01 Flow meter to MU-255-01	Recycled water flow discharged to Phyllis Canal	Daily meter reading Monthly compilation of data	Volume (gallons/day, MG/month)
FM-255-02 Flow meter to MU-255-02	Recycled water flow to industrial users	Daily meter reading Monthly compilation of data	Volume (gallons/day, MG/month)
FM-255-03 Flow Measurement of Phyllis Canal Upstream of the recycled water discharge point	Flow of water in Phyllis Canal	Monthly Flow	Volume (MG/month)

5.2 Ground Water Monitoring – not required

5.3 Soil Monitoring – not required

5.4 Crop Monitoring – not required

5.5 Lagoon Information – not applicable

6. Reporting Requirements

6.1 Annual Report Requirements

The permittee shall submit to DEQ an annual report prepared by a competent environmental professional covering the previous reporting year.

6.1.1 Due Date

The annual report is due no later than December 31 of each year, which shall cover the previous reporting year.

6.1.2 Required Contents

The annual report shall include the following:

1. A brief interpretive discussion of all required monitoring data. The discussion shall address data quality objectives, validation, and verification; and permit compliance. The reporting year for this permit is specified in section 4.5.
2. Results of the required monitoring as described in section 5 of this permit. If the permittee monitors any parameter for compliance purposes 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. The report shall present all monitoring data of required parameters from the monitoring points defined in section 5 in organized data summary tables to expedite review.
3. Status of all work described in section 3 of this permit.
4. Results of all backflow testing, repairs, and replacements required by section 9.1.1 of this permit.
5. Discussion of major maintenance activities such as major equipment replacement and wastewater treatment and reuse facility maintenance.
6. A summary of all noncompliance events that occurred during the reporting year. Examples of noncompliance events that must be discussed include, but are not limited to: exceedance of permit limits, missed monitoring events, incorrect monitoring dates or frequencies, uncontained spills causing runoff, construction without DEQ engineering plan approval, construction without engineering inspection, and reporting incorrect acreage.
7. Submittal of the calculations and observations for MUs specified in the following table.
8. Laboratory analytical reports for monitoring specified in section 5 of the permit. Chain of custody forms, supporting information for laboratory analytical reports, and quality assurance documentation shall be available for review upon request by DEQ.
9. The parameters in the following table:

Monitoring Point Serial Number	Parameter	Units
MU-255-01, MU-255-02	BOD_5 concentration in recycled water	mg/L per month
	Total Nitrogen concentration in recycled water	mg/L per month
	Median number of total coliform organisms determined by the bacteriological results of the last 7 days for which analysis has been completed	Total coliform organisms per 100 mL
	Turbidity, daily arithmetic mean	NTU
	UV Disinfection Dose	mJ/cm^2 reported in 15 minute intervals
MU-255-01	Total Phosphorus concentration in recycled water	mg/L per season
Other Reporting Requirements: • Report dates and times of noncompliance with the turbidity and UV Dose requirements of section 4.5, and discuss the cause of, and response to, the noncompliance • Provide a summary and update of Public Education Program activities • Provide a summary and update of industrial users connected, volume of water use, and discuss any issues encountered in providing recycled water for this use • List and discuss uses of diversion gates to spill water from Phyllis Canal to Elijah Drain, Wilson Drain, the Upper Embankment Drain, or Bardsley Gulch Drain, including the cause, time and duration of spills		

6.1.3 Submittals

All applications, annual reports, or information submitted to DEQ as required by this permit shall be signed and certified as follows:

- Permit applications shall be signed by the responsible official as described below:
  - For a corporation by a responsible corporate officer
  - For a partnership or sole proprietorship by a general partner or the proprietor, respectively
  - For a municipality, state, federal, Indian tribe, or other public agency by either the principal executive officer, ranking elected official, or a person of decision-making authority who can legally bind the permittee with respect to the permit.
- Annual reports and other information required by this permit shall be signed by the responsible official or by a duly authorized representative of that person. A person is a duly authorized representative only if all of the following are true:
  - The authorization is made in writing by the responsible official.
  - The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual having overall responsibility for environmental matters for the company.
  - The written authorization is submitted to DEQ.

Submit all applications, annual reports, and other information required by this permit to the following DEQ regional office at this address:

Engineering Manager
Idaho Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, ID 83706

The annual report shall include the following certification statement and be signed, dated, and certified by the permittee's Responsible Official or duly Authorized Representative:

> *"I certify that the information provided in this submittal was prepared in conformance with the Quality Assurance Project Plan required by permit M-255-01 and is to the best of my knowledge, true, accurate and complete and I acknowledge that knowing submission of false or incomplete information may result in permit revocation as provided for in IDAPA 58.01.17.920.01 or other enforcement action as provided for under Idaho law."*

Permit applications shall include the following certification statement and be signed, dated, and certified by the permittee's Responsible Official:

> *"I certify that the information provided in this submittal is, to the best of my knowledge, true, accurate and complete and I acknowledge that knowing submission of false or incomplete information may result in permit revocation as provided for in IDAPA 58.01.17.920.01, non-issuance of the permit, or other enforcement action as provided for under Idaho law."*

Other information submitted to DEQ as required by the permit shall include the above certification statement and be signed, dated, and certified by the permittee's Responsible Official or duly Authorized Representative.

6.2 Emergency and Noncompliance Reporting

Report noncompliance incidents to DEQ's regional office at 208-373-0550 or toll-free at 1-888-800-3480.

In case of public health emergencies, call the 24-hour Idaho Emergency Medical Services Communications Center number at (800) 632-8000.

Section 8 of this permit and IDAPA 58.01.17.500.06 provide the reporting requirements for facilities.

All instances of permit non-compliance that may endanger public health or the environment and unauthorized discharges to surface waters of the State of Idaho shall be reported to DEQ's regional office by telephone (phone numbers provided in this section) within 24 hours from the time the permittee becomes aware of these events at the phone numbers provided in this section.

A written follow-up shall be provided to the DEQ regional office within five days from the time the permittee became aware of the permit non-compliance or unauthorized discharge.

Reporting of unauthorized discharges to surface waters of the State of Idaho program may also

be required. A discharge to Indian Creek under NPDES permit ID0022063, or as renewed, does not constitute an unauthorized discharge under this permit. Contact information for the IPDES program is provided below:

IPDES Compliance, Inspection, and Enforcement Lead
1410 N. Hilton Street
Boise, ID 83706
833-IPDES24 or 833-473-3724

7. Reserved

8. Standard Permit Conditions

The following standard permit conditions are included as terms of this permit as required by the "Recycled Water Rules," (IDAPA 58.01.17.500).

500. STANDARD PERMIT CONDITIONS.
The following conditions shall apply to and be included in all permits. (4-1-88)

01. Compliance Required. The permittee shall comply with all conditions of the permit. (4-1-88)

02. Renewal Responsibilities. 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 in accordance with these rules. (4-1-88)

03. Operation of Facilities. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, control and monitoring, which are installed or used by the permittee to achieve compliance with the permit or these rules. (4-1-88)

04. Provide Information. The permittee shall furnish to the Director within a 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 rules. (4-1-88)

05. Entry and Access. The permittee shall allow the Director, consistent with Title 39, Chapter 1, Idaho Code, to: (4-1-88)

a. Enter the permitted facility. (4-1-88)

b. Inspect any records that must be kept under the conditions of the permit. (4-1-88)

c. Inspect any facility, equipment, practice, or operation permitted or required by the permit. (4-1-88)

d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility. (4-1-88)

06. Reporting. The permittee shall report to the Director under the circumstances and in the manner specified in this section: (4-1-88)

a. In writing at least 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. When the alteration or addition results in a need for a major modification, such alteration or addition shall not be made prior to Department approval issued in accordance with these rules. (4-7-11)

b. In writing thirty (30) days before any anticipated change which would result in noncompliance with any permit condition or these rules. (4-1-88)

c. Orally within twenty-four (24) hours from the time the permittee became aware of any noncompliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director. (4-1-88)

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any noncompliance unless extended by the Department. This report shall contain: (4-1-88)

i. A description of the noncompliance and its cause; (4-1-88)

ii. The period of noncompliance including to the extent possible, times and dates and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and (4-7-11)

iii. Steps taken or planned, including timelines, to reduce or eliminate the continuance or reoccurrence of the noncompliance. (4-7-11)

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. (4-1-88)

07. Minimize Impacts. The permittee shall take all necessary actions to eliminate and correct any adverse impact on the public health or the environment resulting from permit noncompliance. (4-1-88)

08. Compliance with "Ground Water Quality Rule." Permits issued pursuant to these rules shall require compliance with IDAPA 58.01.11, "Ground Water Quality Rule." (4-7-11)

9. General Permit Conditions

The following general permit conditions are based on the cited rules at the time of issuance and are enforceable as part of this permit. Note that the rules cited in this section, and elsewhere in this permit, are supplemented by the rules themselves. Rules applicable to your facility are enforceable whether or not they appear in this permit.

9.1 Operations

9.1.1 Backflow Prevention

Reuse facilities with existing or planned cross-connections or interconnections between the recycled water system and any water supply (potable or nonpotable) or surface water, shall have backflow prevention assemblies, devices, or methods as required by applicable rule or as specified in this permit and approved by DEQ.

For public water systems, backflow assemblies shall meet the requirements of IDAPA 58.01.08.543. Assemblies shall be adequately maintained and shall be tested annually by a certified backflow assembly tester, and repaired or replaced as necessary to maintain operational status.

For domestic water supply wells, backflow prevention devices shall meet the requirements of IDAPA 07.02.04 and shall be adequately operated and maintained.

Irrigation water supply wells shall meet the requirements of IDAPA 37.03.09.36 for preventing any waste or contamination of the ground water resource. Backflow prevention assemblies or devices used to protect the ground water shall be adequately operated and maintained.

Discharge of recycled water to surface water is regulated by the DEQ IPDES program. An IPDES or NPDES permit is required for any discharge to surface water and backflow prevention shall be implemented to prevent any unauthorized discharge. Backflow prevention assemblies or devices used to protect surface water shall be adequately operated and maintained.

Records of all testable backflow assembly test results, repairs, and replacements shall be kept at the reuse facility along with other operational records, and shall be discussed in the annual report and made available for inspection by DEQ. Other approved means of backflow prevention, such as siphons and air-gap structures that cannot be tested, shall be maintained in operable order.

9.1.2 Restricted to Premises

Wastewaters 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 EPA (IDAPA 58.01.16.600.02).

9.1.3 Health Hazards, Nuisances, and Odors Prohibited

Health hazards, nuisances, and odors are prohibited as follows:

Wastewater must not create a public health hazard or nuisance condition (IDAPA 58.01.16.600.03).

No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids into the atmosphere in such quantities as to cause air pollution (IDAPA 58.01.01.776.01).

Air Pollution defined as the presence in the outdoor atmosphere of any air pollutant or combination thereof in such quantity of such nature and duration and under such conditions as would be injurious to human health or welfare, to animal or plant life, or to property, or to interfere unreasonably with the enjoyment of life or property (IDAPA 58.01.01.006.06).

9.1.4 Solids Management

Biosolids are the nutrient-rich organic materials resulting from the treatment of sewage sludge. When treated and processed, sewage sludge becomes biosolids that can be safely recycled and applied as fertilizer to sustainably improve and maintain productive soils and stimulate plant growth.

Biosolids generated from sewage sludge are regulated by EPA under 40 CFR Part 503 and require a DEQ approved sludge disposal plan as outlined in IDAPA 58.01.16.650. Contact DEQ before to applying biosolids at any permitted reuse facility.

Sludge is the semi-liquid mass produced and removed by wastewater treatment processes. This does not include grit, garbage, and large solids.

Sludge may be generated by wastewater treatment processes at municipal and industrial facilities. A DEQ-approved sludge disposal plan, as outlined in IDAPA 58.01.16.650, may be required.

Solid waste is any garbage or refuse, sludge from a waste water treatment plant, water supply treatment plant, or air pollution control facility and other discarded material including solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations and from community activities, but does not include solid or dissolved materials in domestic sewage, or solid or dissolved material in irrigation return flows or industrial discharges that are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act, as amended or source, special nuclear, or by-product material as defined by the Atomic Energy Act of 1954, as amended.

Solid waste does not include inert wastes, manures and crop residues ultimately returned to the soils at agronomic rates, and any agricultural solid waste that is managed and regulated pursuant to rules adopted by the Idaho Department of Agriculture. DEQ reserves the right to use existing authorities to regulate agricultural waste that impacts human health or the environment.

Solid waste is regulated under the “Solid Waste Management Rules” (IDAPA 58.01.06). Wastes otherwise regulated by DEQ (i.e., this permit) are not regulated under IDAPA 58.01.06.

Waste solids include sludge and wastes otherwise regulated by DEQ according with IDAPA 58.01.06.001.03.a.xii. Waste solids may include vegetative waste, silt and mud containing organic matter, and other non-inert solid wastes.

Inert wastes are defined as non-combustible, nonhazardous, and non-putrescible solid wastes that are likely to retain their physical and chemical structure and have a de minimis potential to generate leachate under expected conditions of disposal, which includes resistance to biological attack.

Waste solids require a DEQ approved sludge disposal plan as outlined in IDAPA 58.01.16.650.

9.1.5 Temporary Cessation of Operations and Closure (IDAPA 58.01.17.801)

Temporary cessation of operations and closure must be addressed as follows:

01. Temporary Cessation. A permittee shall implement any applicable conditions specified in the permit for temporary cessation of operations. When the permit does not specify applicable temporary cessation conditions, the permittee shall notify the Director prior to a temporary cessation of operations at the facility greater than sixty (60) days in duration and any cessation not for regular maintenance or repair. Cessation of operations necessary for regular maintenance or repair of a duration of sixty (60) days or less are not required to notify the Department under this section. All notifications required under this section shall include a proposed temporary cessation plan that will ensure the cessation of operations will not pose a threat to human health or the environment. (4-7-11)

02. Closure. A closure plan shall be required when a facility is closed voluntarily and when a permit is revoked or expires. A permittee shall implement any applicable conditions specified in the permit for closure of the facility. Unless otherwise directed by the terms of the permit or by the Director, the permittee shall submit a closure plan to the Director for approval at least ninety (90) days prior to ceasing operations. The closure plan shall ensure that the closed facility will not pose a threat to human health and the environment. Closure plan approval may be conditioned upon a permittee's agreement to complete such site investigations, monitoring, and any necessary remediation activities that may be required. (4-7-11)

9.1.6 Plan of Operation (IDAPA 58.01.17.300.05)

The PO must comply with the following:

05. Reuse Facility Operation and Maintenance Manual or Plan of Operations. A facility's operation and maintenance manual must contain all system components relating to the reuse facility in order to comply with IDAPA 58.01.16 "Wastewater Rules," Section 425. Manuals and manual amendments are subject to the review and approval provision therein. In addition to the content required by IDAPA 58.01.16.425, manuals for reuse facilities shall include, if applicable: operation and management responsibility, permits and standards, general plant description, operation and control of unit operations, land application site maps, wastewater characterization, cropping plan, hydraulic loading rate, constituent loading rates, compliance activities, seepage rate testing, site management plans, monitoring, site operations and maintenance, solids handling and processing, laboratory testing, general maintenance, records and reports, store room and inventory, personnel, an emergency operating plan, and any other information required by the Department. (4-7-11)

9.1.7 Seepage Testing Requirements (IDAPA 58.01.16.493.02.c)

Subsequent Tests. All lagoons covered under these rules must be seepage tested by an Idaho licensed professional engineer, an Idaho licensed professional geologist, or by individuals under their supervision every ten (10) years after the initial testing. (5-8-09)

9.1.8 Ground Water Quality Rule (IDAPA 58.01.11)

The permittee shall comply with the requirements of the "Ground Water Quality Rule" (IDAPA 58.01.11).

9.2 Administrative

Requirements for administration of the permit are defined as follows.

9.2.1 Permit Modification (IDAPA 58.01.17.700)

01. Modification of Permits. A permit modification may be initiated by the receipt of a request for modification from the permittee, or may be initiated by the Department if one (1) or more of the following causes for modification exist: (4-7-11)

a. Alterations. There are material and substantial alterations or additions to the permitted facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit. (4-7-11)

b. New standards or regulations. The standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued. (4-7-11)

c. Compliance schedules. The Department determines good cause exists for modification of a compliance schedule or terms and conditions of a permit. (4-7-11)

d. Non-limited pollutants. When the level of discharge of any pollutant which is not limited in the permit exceeds the level which may cause an adverse impact to surface or ground waters. (4-7-11)

e. To correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions. (4-7-11)

f. When a treatment technology proposed, installed, and properly operated and maintained by the permittee fails to achieve the requirements of the permit. (4-7-11)

9.2.2 Permit Transferable (IDAPA 58.01.17.800)

01. General. A permit may be transferred only upon approval of the Department. No transfer is required for a corporate name change as long as the secretary of state can verify that a change in name alone has occurred. An attempted transfer is not effective for any purpose until approved in writing by the Department. (4-7-11)

9.2.3 Permit Revocation (IDAPA 58.01.17.920)

01. Conditions for Revocation. The Director may revoke a permit if the permittee violates any permit condition or these rules, or the Director becomes aware of any omission or misrepresentation of condition or information relied upon when issuing the permit. (4-7-11)

02. Notice of Revocation. 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 requests an administrative hearing in writing. The hearing shall be conducted in accordance with IDAPA 58.01.23, Rules of Administrative Procedure before the Board of Environmental Quality." (5-3-03)

03. Emergency Action. If 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, the Director shall provide the permittee a revocation hearing and prior notice

thereof. Such hearings shall be conducted in accordance with IDAPA 58.01.23, "Rules of Administrative Procedure Before the Board of Environmental Quality." (3-15-02)

04. Revocation and Closure. A permittee shall perform the closure requirements in a permit, the closure requirements of these rules, and complete all closure plan activities notwithstanding the revocation of the permit. (4-7-11)

9.2.4 Violations (IDAPA 58.01.17.930)

Any person violating any provision of these rules 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. (4-1-88)

9.2.5 Severability

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. Other Applicable Laws

DEQ may refer enforcement of the following provisions to the state agency authorized to enforce that rule. The permittee shall comply with all applicable provisions identified in this section. Compliance with this permit does not relieve the permittee from applicable requirements in other federal, state, and local laws, statutes, and rules.

10.1 Owner Responsibilities for Well Use and Maintenance

10.1.1 Well Use

The well owner must not operate any well in a manner that causes waste or contamination of the ground water resource. Failure to operate, maintain, knowingly allow the construction of any well in a manner that violates these rules, or failure to repair or properly decommission (abandon) any well as herein required will subject the well owner to civil penalties as provided by statute. See IDAPA 37.03.09.036.01 and consult the Idaho Department of Water Resources (IDWR) for more information.

10.1.2 Well Maintenance

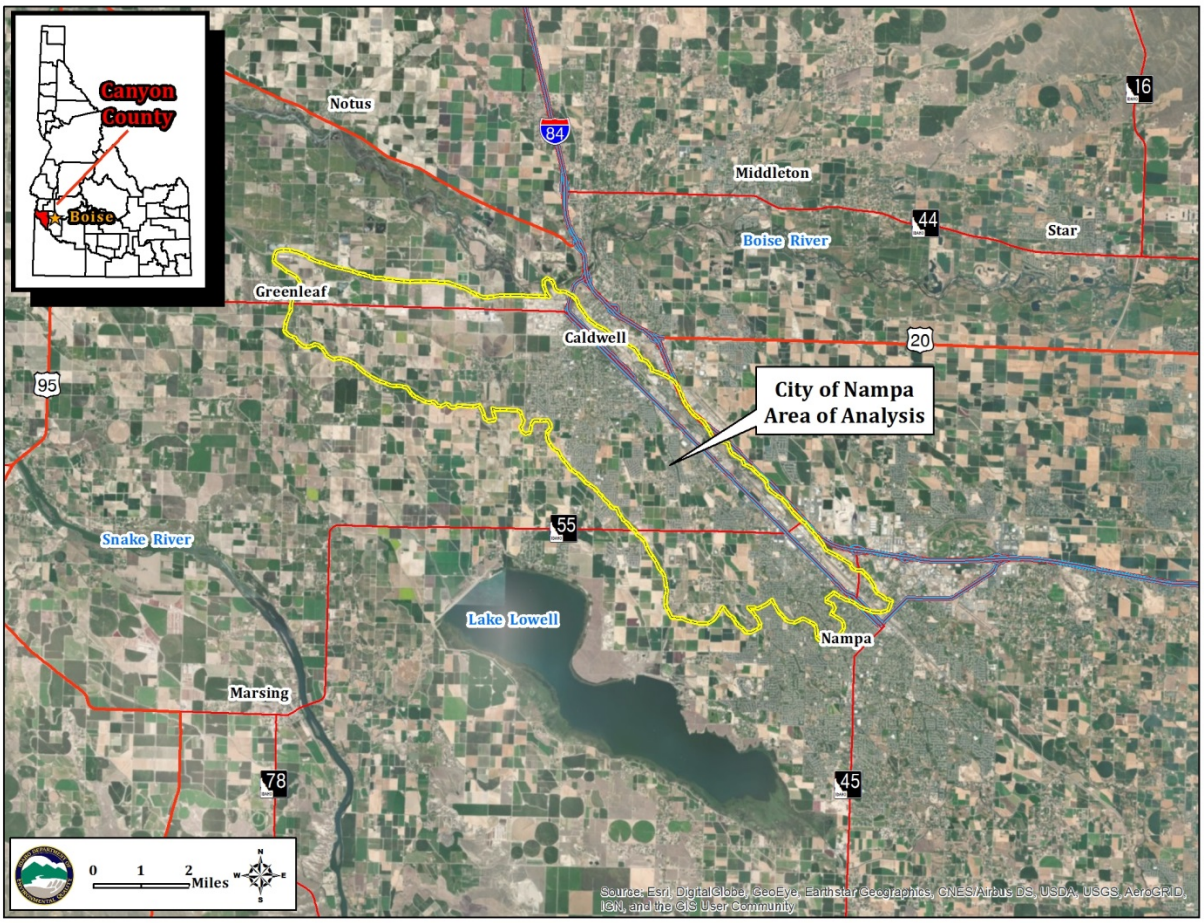
The well owner must maintain the well to prevent waste or contamination of ground waters through leaky casings, pipes, fittings, valves, pumps, seals, or through leakage around the outside of the casings, whether the leakage is above or below the land surface. Any person owning or controlling a noncompliant well must have the well repaired by a licensed well driller under a permit issued by the IDWR director according to the applicable rules. See IDAPA 37.03.09.036.02 and consult IDWR for more information.

10.1.3 Wells Posing a Threat to Human Health and Safety or Causing Contamination of the Ground Water Resource

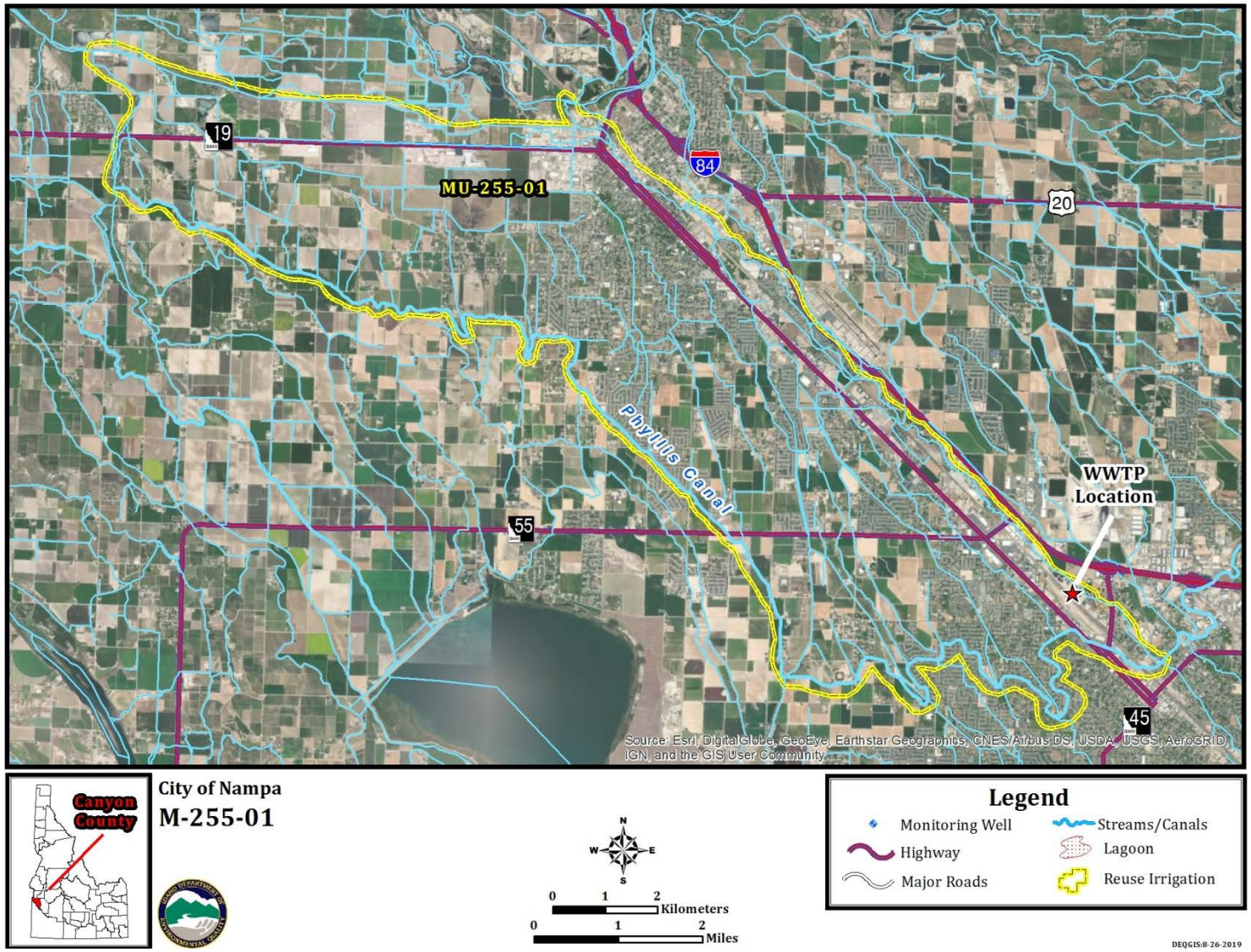
The well owner must have any well shown to pose a threat to human health and safety or cause contamination of the ground water resource immediately repaired or decommissioned (abandoned) by a licensed well driller under a permit issued by the IDWR director according to the applicable rules. See IDAPA 37.03.09.036.06 and consult IDWR for more information.

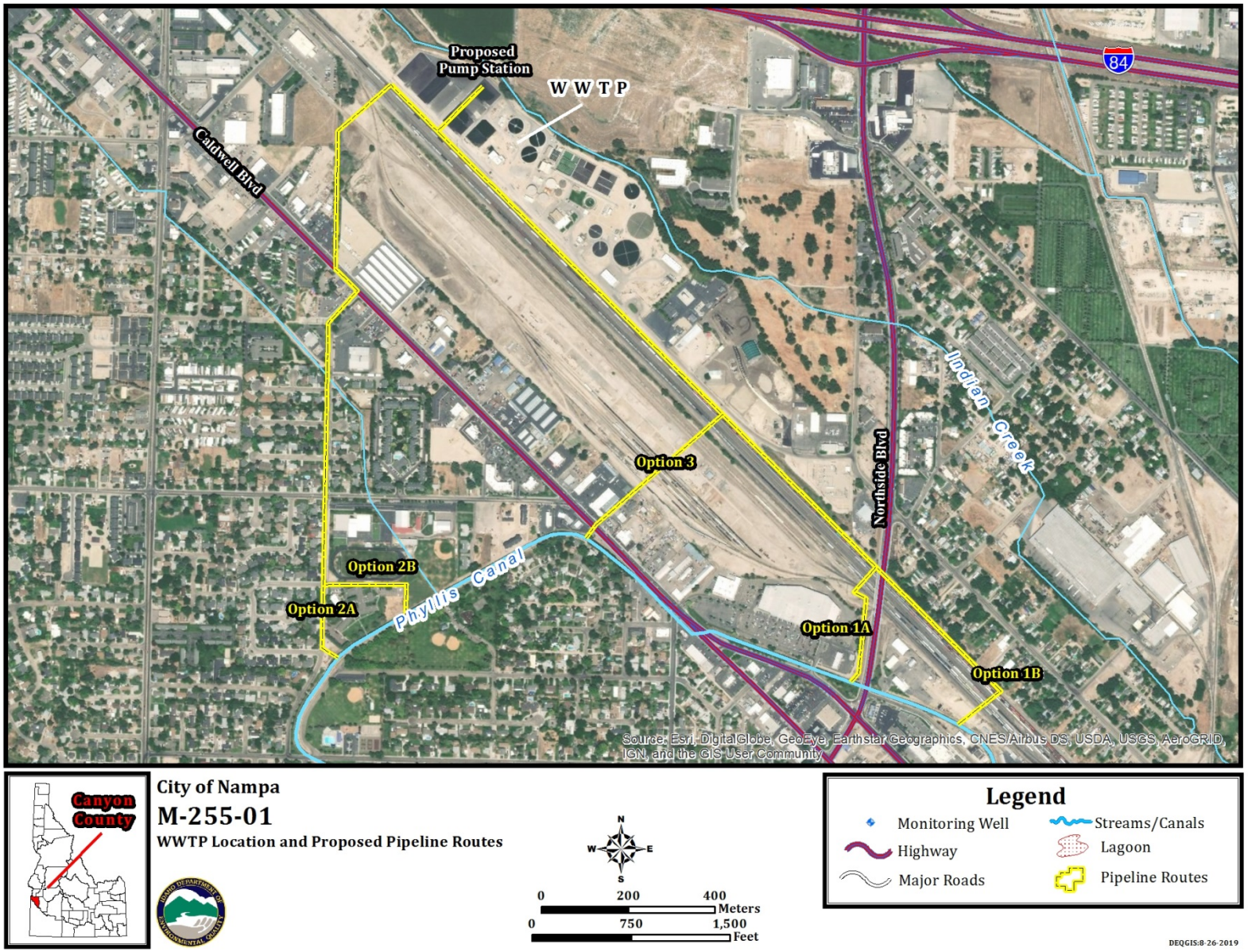
11. Site Maps

11.1 Regional Map



11.2 Facility Map(s)




Proposed
Pump Station
W W T P
Caldwell Blvd
84
Indian Creek
Northside Blvd
Option 3
Option 2B
Option 2A
Phyllis Canal
Option 1A
Option 1B
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Canyon County
City of Nampa
M-255-01
WWTP Location and Proposed Pipeline Routes
N
W
E
S
0 200 400
Meters
0 750 1,500
Feet
Legend
Monitoring Well
Highway
Major Roads
Streams/Canals
Lagoon
Pipeline Routes
DEQGIS:8-26-2019