



## PART A - DEFINITIONS

“Act” means *Waters Act* and any amendments thereto.

“Adaptive Management Plan” means the most current version of the Adaptive Management Plan that has been submitted to the Board for Water Use Licence QZ06-074.

“Application” means Water Use Application QZ07-078, including any additional submissions and/or revisions submitted to the Yukon Water Board by the Licensee, up to the date of the Board’s decision.

“Board” means the Yukon Water Board.

“Inspector” means any person designated as an Inspector under the Act.

“Natural Boundary” means the visible high water mark of any lake, river, stream or other body of water where the presence and action of water is so common and usual and so long continued as to mark upon the soil of the bed of the lake, river, stream or other body of water a character distinct from that of the banks thereof, both in respect to vegetation and in respect to the nature of the soil itself. In addition, the best estimates of the edge of dormant or old side channels and marsh areas are considered to be Natural Boundaries.

“Regulation” means the *Waters Regulation* made under the Act.

“Spill Contingency Plan” means the Emergency Response Guide that was submitted as part of the Application and included in Water Use Register QZ07-078 as exhibit 1.2.9, and any subsequent revisions.

“Waste” means any substance as defined in the Act.

“Watercourse” means any stream, lake, pond, river, creek, spring, ravine or swamp whether ordinarily containing water or not.

“Wetted Perimeter” means the horizontal extent of the present water level while the work is taking place.

**PART B - GENERAL CONDITIONS**

Representations, Warranties and Undertakings

1. In this licence, the Board has relied on the representations, warranties and undertakings provided by the Licensee in the material filed in the Application.
2. Where there is a discrepancy between the Application and this licence, the conditions of this licence shall prevail.

Other Laws

3. No condition of this licence limits the application of any other federal, territorial, first nation or municipal legislation.
4. All construction or installation of works authorized by this licence shall occur on property that the Licensee has the right to enter upon and use for that purpose.

Correspondence

5. Where any direction, notice, order or report under this licence is required to be in writing, it shall be given:
  - a) To the Licensee, if delivered, faxed or mailed by registered mail to the following address:

Alexco Resource Canada Corporation  
Suite 1150-200 Granville Street  
Vancouver, B.C., V6C 1S4  
Fax: 604 633 4887

and shall be deemed to have been given to the Licensee on the day it was delivered or faxed, or 7 days after the day it was mailed, as the case may be.

- b) To the Board, if delivered, faxed or mailed by registered mail to the following address:

Yukon Water Board  
Suite 106, 419 Range Road  
Whitehorse, YT Y1A 3V1  
Fax: 867 456 3890

and shall be deemed to have been given to the Board on the day it was delivered or faxed, or 7 days after the day it was mailed, as the case may be.

- c) The Board or the Licensee may, by notice in writing, change its address for delivery.

#### Non-Compliance

6. In the event that the Licensee fails to comply with any provision or condition of this licence, the Board may, subject to the Act, cancel the licence.

#### Other Uses

7. If, subsequent to the issuing of this licence, the Licensee uses water and/or deposits Waste in one or more ways not authorized in this licence, and the combined effect of those uses and/or deposits of Wastes, as determined by an Inspector:
  - a) has no potential for significant adverse environmental effects;
  - b) does not interfere with existing rights of other water users or Waste depositors; and
  - c) satisfies the criteria set out in column 2 of Schedule 7 of the Regulation,

no amendment to this licence will be required for that use of water and/or deposit of Waste.

#### Spills and Unauthorized Discharges

8. The Licensee shall immediately contact the 24-hour Yukon Spill Report Centre, (867) 667-7244, and implement the Spill Contingency Plan should a spill or an unauthorized discharge occur. A detailed written report on any such event including, but not limited to, dates, quantities, parameters, causes and other relevant details and explanations, shall be submitted to the Board not later than 10 days after the occurrence.
9. All personnel shall be trained in procedures to be followed and the equipment to be used in the containment of a spill.
10. Ten days prior to construction, the Licensee shall submit material safety data sheets to the Board for all petroleum products and/or hazardous materials that are to be present during this undertaking.
11. The Spill Contingency Plan shall be posted on site for the term of the licence.

#### Fuel Storage and Transfer

12. Fuel, lubricants, hydraulic fluids, coolants and similar substances shall be stored and/or transferred a minimum of 30 metres from the Natural Boundary of any Watercourse, in such a way that said substances are not deposited in or allowed to be deposited in waters.

Waste Substances

13. Waste substances shall be used, transported, stored or disposed of in such a manner that they are not deposited, or allowed to be deposited, into any Watercourse or on any surrounding land.

Annual Reports

14. Annual reports shall be submitted to the Board by the Licensee. The first report shall be for the period from the effective date of the licence to December 31, 2008. Subsequent reports shall be for each calendar year. Annual reports will be submitted to the Board on or before February 28 of the following year.
15. Annual reports shall include the information required by the Regulation, including, but not necessarily limited to:
  - a) a description of the water use operations carried out during the year reported;
  - b) the quantity of water, including dewatering, used each day;
  - c) a detailed record of any major maintenance work carried out or planned to be carried out that could have an impact on water;
  - d) summaries of all data generated as a result of the monitoring requirements of this licence, including analysis and interpretation by a firm or persons qualified to do so through education and/or experience, and a discussion of any variances from baseline conditions or from previous years' data;
  - e) the inspection results, including photographs, repairs plans for modification required by the physical monitoring program;
  - f) details of any work carried out or planned to be carried out under the Adaptive Management Plan; and
  - g) copies of all orders, directions, and correspondence relating to drinking water sampling or analysis from the Medical Health Officer or from a Health Officer.

Monthly Reports

16. Unless otherwise specified in this licence, the Licensee shall forward to the Board a copy of all data collected as part of the monitoring programs of this licence no more than 30 days after the conclusion of the month in which that data was collected. The report shall include graphical analysis of the effluent quality parameters listed in this licence.
17. The first monthly report under this licence shall include the location coordinates for those monitoring stations which are included in Schedule A, Part I of this licence, where coordinates are not provided.

Reports

18. Unless otherwise specified in this licence, all monitoring data, reports, plans, studies, study results, designs or manuals shall be submitted to the Board in an unbound form that is reproducible by standard photocopier and shall be accompanied by 5 copies.
19. All monitoring data, reports, plans, studies, study results, designs or manuals shall be submitted in digital form on compact disk using an IBM compatible format that is readable using commonly available software.

Term of Licence

20. The term of this licence is for the period from the effective date to September 3, 2018.

**PART C - OPERATING CONDITIONS**Description of Water Use and Deposit of Waste

21. The Licensee is hereby authorized to:
  - a) obtain and use water for a quartz mining undertaking at a maximum combined rate not exceeding a total of 71 m<sup>3</sup>/day from Thunder Gulch, Lightning Creek, as well as treated wastewater from Bellekeno 625 and Bellekeno East settling ponds, and underground waters from the Bellekeno mine;
  - b) obtain and use water for camp purposes at a maximum combined rate not exceeding a total of 29 m<sup>3</sup>/day from Flat Creek and the proposed groundwater supply well;
  - c) obtain and treat water from the Bellekeno mine at a maximum rate of 864 m<sup>3</sup>/day;
  - d) store water in settling ponds at the Bellekeno East portal;
  - e) store water in the Onek Waste Rock Storage facility;
  - f) operate the existing wastewater treatment system and store water in settling ponds at the Bellekeno 625 adit;
  - g) deposit Waste to Thunder Gulch and Lightning Creek in the form of treated wastewater discharged from settling ponds located at Bellekeno 625 and Bellekeno East;
  - h) deposit Waste to ground in the form of camp wastewater that has been treated in a septic system;
  - i) deposit Waste in the form of sludge to the sludge holding cell of the Valley Tailings Storage Area or other approved disposal locations; and
  - j) construct earthworks and erosion protection,

as described in the Application, and subject to the conditions of this licence.

**PART D – PLANS**

22. The Licensee shall submit to the Board a revised and updated Adaptive Management Plan for the Keno Hill Mines Property that incorporates the activities for the advanced exploration and preliminary development of Bellekeno mine. Revisions to the Adaptive Management Plan shall include but not be limited to:
- a) provisions for sampling and external testing of identified waste rock seeps that exhibit increasing trends towards acidic or metal contaminated conditions;
  - b) provisions for extending the period of weekly monitoring at stations KV-42, KV-43, KV-74, and KV-75, should mine water quality and/or quantity be significantly altered after dewatering of Bellekeno mine; and
  - c) provisions for increasing the monitoring frequency of stations KV-37, KV-38, KV-41, and KV-77 should water quality in Thunder Gulch and/or Lightning Creek be significantly altered during or subsequent to dewatering the Bellekeno mine.
23. Within 30 days of the effective date of this licence, the Licensee shall submit to the Board a physical inspection and reporting plan for all water retaining structures and water conveying structures. The physical inspection and reporting plan shall include at a minimum, but not necessarily be limited to, the following:
- a) The plan shall indicate, that at a minimum, the frequency of inspection and reporting will be conducted at least on a weekly basis for all water structures.
  - b) The plan shall include, but not necessarily be limited to, Bellekeno 625 settling ponds, Bellekeno East settling ponds, Onek waste rock storage facility, and surface pipelines between and near Bellekeno East and Bellekeno 625.
24. The Licensee shall, within 30 days of the effective date of this licence, submit a plan for completing metals and acid base accounting analyses of waste rock removed from the mine.
- a) The plan will identify testing and sampling methodology and, at a minimum, meet the tests per tonne frequency as described in Exhibit 1.2.8 of the Application.
  - b) The plan shall indicate the time lag from excavation of waste rock to testing.
  - c) At a minimum, the annual testing completed will be representative of all waste rock removed from the mine in that given year.

25. The Licensee shall, within 30 days of the effective date of this licence, submit a plan for metals and acid base accounting analyses of mine walls excavated during this licence.
  - a) The plan will identify testing and sampling methodology and, at a minimum, meet the tests per linear metre frequency as described in Exhibit 1.2.8 of the Application.
  - b) The plan shall indicate the time lag from excavation to testing.
  - c) At a minimum the annual testing completed will be representative of all new excavation in that given year.
26. The Licensee shall, within 30 days of the effective date of this licence, submit a plan for monitoring flows at monitoring stations described in this licence, which require flow measurement. At the minimum, the plan shall indicate the methodology to be used at each monitoring station.
27. Subject to any required assessments, authorizations or approvals, the Licensee shall implement all plans required by this section of this licence.

**PART E – EFFLUENT QUALITY STANDARDS**

28. No Waste discharged from the wastewater treatment systems at the Bellekeno 625 adit, the Bellekeno East decline, or the Onek Pit Waste Rock Storage facility shall exceed the following limits:

| Parameter        | Maximum Concentration in a Grab Sample Measured in mg/L |
|------------------|---|
| pH               | 6.5 to 9.5 pH Units                                     |
| Suspended Solids | 25.0  |
| Ammonia Nitrogen | 5.00  |
| Arsenic (total)  | 0.50  |
| Cadmium (total)  | 0.05  |
| Copper (total)   | 0.30  |
| Lead (total)     | 0.20  |
| Nickel (total)   | 0.50  |
| Silver           | 0.10  |
| Zinc (total)     | 0.50  |

29. Any discharge to a Watercourse must meet a bioassay standard of a 96-hour at 100% LT50 bioassay using rainbow trout, pH non-adjusted.

30. The points of compliance at the Bellekeno 625 adit, and Bellekeno East decline for the effluent quality standards included in this licence shall be the final point of control prior to discharging effluent to the environment.
31. Testing results for the effluent water quality parameters listed in this licence shall be provided by a laboratory accredited by the Canadian Association for Environmental Analytical Laboratories Inc.

#### **PART F – MONITORING AND SURVEILLANCE**

32. The Licensee shall comply with the water quality monitoring program and surveillance network program contained in Schedule A of this licence.
33. Throughout the term of this licence the Licensee shall comply with Schedule A Part III of this licence. Additionally, the Licensee shall comply with:
  - a) Schedule A, Part IV of this licence prior to and resuming 13 weeks following dewatering activities at Bellekeno mine;
  - b) Schedule A, Part V of this licence during dewatering and for 12 weeks following dewatering activities at Bellekeno mine; and
  - c) For monitoring stations KV-74 and KV-75, Schedule A Part III and Schedule A Part V shall be complied with during all effluent discharges from the Bellekeno East settling ponds to Thunder Gulch or to the Bellekeno 625 treatment plant. Otherwise, the Licensee shall comply with Schedule A Part IV.
34. Monitoring and sampling required as part of this licence shall be carried out in accordance with the procedures and standards described in:
  - a) Guidance Document for the Sampling and Analysis of Metal Mining Effluents, April 2001, (Report: EPS 2/MM/5), Minerals and Metals Division, Environment Canada;
  - b) Guidance Document for Flow Measurement of Metal Mining Effluents, April 2001, (Report: EPS 2/MM/4), Minerals and Metals Division, Environment Canada;
  - c) Standard Guide for Sampling Ground-Water Monitoring Wells, ASTM D4448-01, ASTM International, PA, USA.

#### Sediment Monitoring

35. Annually, during the summer low flow period, the Licensee shall carry out a sediment monitoring program, with sampling and analysis conducted as described below at sampling stations KV-38 and KV-41. The studies will be carried out by persons qualified

to do so by education and/or experience. The results of the studies will be included in the next annual report. Data analysis shall include an evaluation of the information against baseline information where it exists.

36. Sediment sampling shall be carried out as follows:
- a) sediment samples shall be collected in replicates of three from the active channel, directly into high density plastic sample jars, using an aluminum or Teflon scoop.
  - b) samples shall be dried and screened, using sieves at ASTM mesh numbers 10, 20, 40, 60, 100, 140 and 270 (ASTM-E11-61) and the fraction weights shall be recorded.
  - c) a sub-sample composed of material passing through the 100 mesh number sieve shall be analyzed for metals by a 33 element ICP scan. Loss on ignition shall also be determined by heating the sample to 600 degrees C.

#### Physical Inspections and Monitoring

37. The Licensee shall conduct physical inspection of water retaining and conveying structures, and associated earthworks in accordance with the physical inspection and reporting plan that is required by this licence. Actions taken or planned in response to any identified issues and/or to prevent recurrence must be reported annually as part of the annual report.
38. During dewatering of Bellekeno mine, the Licensee shall, on a weekly basis, observe the condition of the channel of Thunder Gulch and Lightning Creek downstream of Bellekeno 625 treatment plant and provide a detailed report to the Board identifying any physical issues relating to the dewatering flows. Any mitigative measures undertaken shall also be detailed in that report and submitted to the Board following dewatering activities at Bellekeno mine. This report shall be provided to the Board as part of the monthly report required by this licence.

#### Waste Rock Monitoring

39. Monthly, between May and October of each year, the Licensee shall inspect all unlined waste rock locations including all pre-existing Bellekeno waste rock dumps described in the Application, and any new dumps or waste rock locations. At a minimum, the Licensee shall record the following during all inspections and provide the details as part of the annual report:
- a) Any physical instability including erosion;
  - b) Upstream ponding of water and downstream seepage;
  - c) The location of ponding and seepage;

- d) The volume of flow, field pH and conductivity of ponding or seepage;
  - e) Visual evidence of sulphide oxidation including snow melt areas or the presence of oxidation products; and
  - f) Trends in pH, and conductivity for any recurring seepage or ponding location.
40. Seepage or ponding locations identified through inspection shall be assigned a unique identifier consistent with the monitoring stations identified in this licence. Descriptions of new locations shall be provided to the Board as part of the annual report.

#### Water Treatment Plant Performance Evaluation

41. As a component of the annual report, the Licensee shall submit a performance evaluation report for all water treatment plants. The evaluation shall be carried out by a firm or persons qualified to do so through education and /or experience relevant to the types of treatment plants being operated. At a minimum, the evaluation shall include:
- a) an analysis of the plants' performance in terms of treatment efficiency, capacity, and compliance;
  - b) a review of daily operators' logs field monitoring data; and
  - c) any recommended remedial actions.

### **PART G – DESIGN AND CONSTRUCTION**

42. No heavy equipment shall be operated within the Wetted Perimeter of any Watercourse.
43. All disturbed ground surfaces shall be stabilized in such a manner so as to prevent erosion and surface runoff from carrying sediment into any Watercourse.
44. Construction and/or maintenance equipment shall be mechanically sound and free of leaks.
45. All works associated with the undertaking shall be maintained in good repair.

#### Water Pumps

46. The Licensee shall provide barriers consisting of fish guards, screens, coverings or nets on all water intakes as follows:
- a) Screens or nets shall have a minimum of 3.5 openings per centimetre and openings no greater than 3.2 millimetres along any given side.
  - b) If a punch plate or similar material is used, openings shall be no greater than 3.2 millimetres in length or width.

- c) There shall be no less than 929 square centimetres of open screen for every 205 litres per minute being withdrawn.
- d) The barriers shall be monitored and maintained to ensure that they function effectively at all times when water is being withdrawn.
- e) The barriers shall be designed and installed in such a manner that the screen is submerged and a uniform flow distribution is maintained through the total screen area.
- f) Water shall not be withdrawn when the barrier is removed for renewal, repair or inspection.
- g) The Licensee shall cease pumping or decanting and take remedial action if there is alteration to the bed or bank of the water channel.

#### Treatment Plants and Settling Ponds

47. The Bellekeno East settling ponds shall be constructed and lined with an impermeable membrane at the Bellekeno East location in accordance with the design drawings which were submitted as part of the Application in exhibit 1.5.
48. A minimum freeboard of 0.4 metres shall be maintained in all settling ponds.
49. As-constructed (record) drawings of the Bellekeno East settling ponds, sealed by a Professional Engineer licensed to practice in Yukon, shall be submitted to the Board within 60 days of the effective date of this licence.

#### Onek Waste Rock Storage Facility

50. The Onek Waste Rock Storage Facility shall be constructed at the Onek Pit location in accordance with the design drawings which were submitted as part of the Application in exhibit 6.1.
51. Where site conditions require minor modifications to the designs submitted to the Board, the Licensee shall notify the Board, a minimum of 10 days in advance, of the details of the modifications or variations from final detailed design, specifications and quality assurance/quality control procedures previously submitted to the Board, provide a detailed construction schedule and the name and contact number(s) of the construction superintendent. The notice shall be in writing and must include an explanation of the reasons for the change and an assessment of the potential impact on the performance of the works. The notice shall be sealed by a Professional Engineer licensed to practice in Yukon.
52. As-constructed (record) drawings of the Onek Waste Rock Storage facility, sealed by a Professional Engineer licensed to practice in Yukon, shall be submitted to the Board within 60 days of completion of construction.

**PART H - SITE DECOMMISSIONING AND RECLAMATION**

53. At least two years prior to the expiry of this licence, the licensee shall submit a final closure plan for the Onek waste rock storage facility. The final closure plan shall include predictions of long term performance of the facility with respect to the prevention of metal leaching and/or acid generation within the facility and the containment of the products of metal leaching and/or acid generation should they be predicted to occur.
  54. The Licensee shall implement the decommissioning and reclamation plan as described in the Application, for the advanced exploration program once the facilities are no longer in use. As part of each annual report, the Licensee shall report on the status of activities carried out in accordance with the decommissioning and reclamation plan.
  55. Subject to any required assessments, authorizations or approvals, the Licensee shall implement the plans required by this section of this licence.
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**QZ07-078 SCHEDULE A**

**SCHEDULE A, PART I  
MONITORING STATIONS**

| Monitoring Station | Description                              | Northing | Easting |
|--------------------|--|----------|---------|
| KV-37              | Lightning Creek u/s Hope Gulch           | 7087765  | 490343  |
| KV-38              | Lightning Creek u/s Thunder Gulch        | 7087345  | 488188  |
| KV-41              | Lightning Creek u/s bridge at Keno City  | 7086748  | 485382  |
| KV-42              | Bellekeno 625 Adit                       | 7086944  | 487428  |
| KV-43              | Bellekeno 625 Treatment Pond Decant      | 7087052  | 487419  |
| KV-44              | Bellekeno 625 Seep                       | 7087151  | 487464  |
| KV-45              | Onek Adit                                | 7087288  | 485101  |
| KV-65              | Thunder Gulch upstream of Bellekeno 625  | 7086803  | 487466  |
| KV-74              | Bellekeno East Decline                   |          |         |
| KV-75              | Bellekeno East Settling Pond Decant      |          |         |
| KV-76              | Thunder Gulch d/s of Bellekeno 625 Adit  |          |         |
| KV-77              | Thunder Gulch upstream of Bellekeno East |          |         |
| KV-78              | Onek Waste Rock Storage Facility         |          |         |

**SCHEDULE A, PART II  
MONITORING SCHEDULE FREQUENCY LEGEND**

| Symbol | Frequency                           |
|--------|-------------------------------------|
| C      | Continuous                          |
| D      | Daily                               |
| W      | Weekly                              |
| M      | Monthly                             |
| Ms     | Monthly from May to October         |
| Q      | Quarterly May/July/October/February |
| A      | Annually                            |

**SCHEDULE A, PART III  
ON-SITE MONITORING SCHEDULES**

| Monitoring Stations        | Field Parameters |         |           |    |       |       |      |
|----------------------------|------------------|---------|-----------|----|-------|-------|------|
|                            | Zn               | Ammonia | Turbidity | pH | Temp. | Cond. | Flow |
| <b>Treatment Sites:</b>    |                  |         |           |    |       |       |      |
| KV-42                      | D                | D       | D         | D  | D     | D     | C    |
| KV-43                      | D                | D       | D         | D  | D     | D     | D    |
| KV-74                      | D                | D       | D         | D  | D     | D     | C    |
| KV-75                      | D                | D       | D         | D  | D     | D     | D    |
| <b>Surveillance Sites:</b> |                  |         |           |    |       |       |      |
| KV-37                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-38                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-41                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-44                      | -                | -       | -         | Ms | Ms    | Ms    | Ms   |
| KV-45                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-65                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-76                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-77                      | -                | -       | -         | Q  | Q     | Q     | Q    |
| KV-78                      | -                | -       | -         | Ms | Ms    | Ms    | -    |

**SCHEDULE A, PART IV  
COMPLIANCE MONITORING SCHEDULE PRIOR TO AND RESUMING 13 WEEKS  
FOLLOWING DEWATERING ACTIVITIES AT BELLEKENO MINE**

| Monitoring Stations        | Parameters        |                       |            |          |    |       |     |                  |
|----------------------------|-------------------|-----------------------|------------|----------|----|-------|-----|------------------|
|                            | Total ICP Metals* | Dissolved ICP Metals* | Ammonia -N | Hardness | pH | Cond. | TSS | LT <sub>50</sub> |
| <b>Treatment Sites:</b>    |                   |                       |            |          |    |       |     |                  |
| KV-42                      | M                 | M                     | M          | M        | M  | M     | M   | -                |
| KV-43                      | M                 | M                     | M          | M        | M  | M     | M   | M                |
| KV-74                      | M                 | M                     | M          | M        | M  | M     | M   | -                |
| KV-75                      | M                 | M                     | M          | M        | M  | M     | M   | M                |
| <b>Surveillance Sites:</b> |                   |                       |            |          |    |       |     |                  |
| KV-37                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-38                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-41                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-44                      | A                 | A                     | -          | A        | A  | A     | A   | -                |
| KV-45                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-65                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-76                      | Q                 | Q                     | Q          | Q        | Q  | Q     | Q   | -                |
| KV-77                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-78                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |

**SCHEDULE A, PART V  
COMPLIANCE MONITORING SCHEDULE DURING AND FOR 12 WEEKS FOLLOWING  
DEWATERING BELLEKENO MINE**

| Monitoring Stations        | Parameters        |                       |            |          |    |       |     |                  |
|----------------------------|-------------------|-----------------------|------------|----------|----|-------|-----|------------------|
|                            | Total ICP Metals* | Dissolved ICP Metals* | Ammonia -N | Hardness | pH | Cond. | TSS | LT <sub>50</sub> |
| <b>Treatment Sites:</b>    |                   |                       |            |          |    |       |     |                  |
| KV-42                      | W                 | W                     | W          | W        | W  | W     | W   | -                |
| KV-43                      | W                 | W                     | W          | W        | W  | W     | W   | M                |
| KV-74                      | W                 | W                     | W          | W        | W  | W     | W   | -                |
| KV-75                      | W                 | W                     | W          | W        | W  | W     | W   | M                |
| <b>Surveillance Sites:</b> |                   |                       |            |          |    |       |     |                  |
| KV-37                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-38                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-41                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-44                      | A                 | A                     | -          | A        | A  | A     | A   | -                |
| KV-45                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-65                      | M                 | M                     | M          | M        | M  | M     | M   | -                |
| KV-76                      | M                 | M                     | M          | M        | M  | M     | M   | -                |
| KV-77                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |
| KV-78                      | Q                 | Q                     | -          | Q        | Q  | Q     | Q   | -                |

\* ICP Metals include: Aluminum, Antimony, Arsenic, Barium, Beryllium, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Sulphur, Thallium, Tin, Titanium, Uranium, Vanadium, Zinc, and Zirconium