

This Addendum 002 is raised to modify solicitation EW699-170946/A as follows:

- A. Specification clarifications
- B. Add additional supporting documents
- C. Remove contingency Kidney Pont Portal Seep Water Management System
- D. Answer questions
- E. The following attachments are included as part of Amendment 02:
 - a. Site Visit Attendee List
 - b. Bidders Conference Attendee List
 - c. Site Visit Maps (located on Buzzsaw)
 - d. INAC Bidders Conference Presentation
 - e. Stantec Bidders Conference Presentation (Located on Buzzsaw) and site Video (Link provided)
 - f. Excel Unit rate Table
 - g. Excel Lump Sum Cost Breakdown
 - h. Specification Amendments/Additional Attachments
 - i. 121413573-036_C_BUR_03_
 - ii. 121413573-039_C_KID_06
 - iii. C-KID-09 PREPARED GRADE
 - iv. C-KID-10 POST CONSTRUCTION PLAN
 - v. C-KID-12 DITCH SECTIONS AND DETAILS
 - vi. C-KID-15 INSTRUMENTATION
 - vii. Final Report: Gordon Lake Group - Site Wide Hazard Assessment (Located on Buzzsaw)
 - viii. Gordon Lake Group Borrow Source Amendment (Located on Buzzsaw)

A) Specification clarifications

- 1) In the specifications Section 31 23 33.01 Clause 1.9.3.1:

REPLACE WITH: Initial survey of the ground profile prior to backfilling the excavated areas of environmental concern.
- 2) In the specifications Section 31 23 33.01 Clause 1.9.3.2:

REPLACE WITH: Final survey of the ground profile upon completion of backfilling the excavated areas.
- 3) In the Unit Rate Table:

REPLACE: Refer to Amendment 002
- 4) In the specifications Section 01 29 83 Clause 1.1.3:

REPLACE WITH: Provide and pay for all transportation required for all Departmental Representative samples to Yellowknife.
- 5) In the specifications Section 01 54 00:

ADD CLAUSE 1.1.15: Camp facilities referred to in this section include non-fixed structures not currently covered by a Land Use Permit. For facilities currently covered by a Land Use Permit, the contractor shall ensure the requirements of the permits for said facilities are abided by.

B) Add additional supporting documents

1) The following supporting documents have been added to Buzzsaw:

- Final Report: Gordon Lake Group - Site Wide Hazard Assessment, report completed by Stantec Consulting Ltd. for PWGSC, dated March 31 2016
- Gordon Lake Group Borrow Source Amendment, letter completed by Stantec Consulting Ltd. for PWGSC, dated July 29, 2016
- Final Report: Gordon Lake Remediation Logistics Plan, report completed by Stantec Consulting Ltd. for PWGSC, dated March 31 2016
- Bidders Meeting Presentation (without videos), prepared by Stantec Consulting Ltd for PWGSC, dated September 1, 2016
- Basis of Payment in excel format
- Revised design drawings:
 - C-KID-06
 - C-KID-09
 - C-KID-10
 - C-KID-12
 - C-KID-15

2) The site videos are accessible at:

- a. **Browser link:** <https://tmppsftp.stantec.com>
- b. **Login name:** s0920053431
- c. **Password:** 4069272

C) Remove contingency Kidney Pond Portal Seep Water Management System

1) In the specifications Section 00 00 01 List of Drawings:

REMOVE: Reference to C-KID-16 (no longer required as it pertains to PSWMS)

2) In the specifications Section 01 11 00 Clauses 1.3.1.13.4.1 and 1.3.1.13.4.3:

REMOVE: (Clause 1.3.13.4.1) Construct WRSCA for existing waste rock, additional waste rock, impacted soils, and non-hazardous waste, as specified in Section 31 22 13 – Grading and Earthworks Construction and in Drawings No. C-KID-08 to C-KID-16.

REPLACE WITH: Construct WRSCA for existing waste rock, additional waste rock, impacted soils, and non-hazardous waste, as specified in Section 31 22 13 – Grading and Earthworks Construction and in Drawings No. C-KID-08 to C-KID-15.

AND

REMOVE: (Clause 1.3.13.4.3) Construct seep control system for portal seepage and install monitoring instrumentation (requirement to be confirmed based on summer 2016 data collection as indicated in Section 31 22 13 – Grading and Earthworks Construction).

3) In the specifications Section 01 33 00 Table 01 33 00-1 (Contractor Submittal Schedule):

REMOVE: Construction Plan (TSCA and WRSCA Plans, Landfarm Construction Plan, Kidney Pond Portal Seep Management Plan)

REPLACE WITH: Construction Plan (TSCA and WRSCA Plans, Landfarm Construction Plan)

- 4) In the specifications Section 01 81 00 Clause 1.1.1 Table:

REMOVE: Portal - Backfilled, engineered cap and passive treatment system (Portal Seep Water Management System)

REPLACE WITH: Portal – Backfilled and engineered cap

- 5) In the specifications Section 02 51 00 Clauses 1.1.1.4, 1.1.1.5, 2.18, 3.3.1 and 3.4:

REMOVE: (Clause 1.1.1.4) Monitoring wells at the Kidney Pond Portal Seep Water Management System (PSWMS) in three locations, and weir flow data logger at one location.

AND

REMOVE: (Clause 1.1.1.5) Ground thermistors at the TSCA in two locations, PSWMS in two locations and at the WRSCA in two locations.

REPLACE WITH: Ground thermistors at the TSCA in two locations and at the WRSCA in two locations.

AND

REMOVE: Entire Clause 2.18 Kidney Pond Portal Weir Plate and Box

AND

REMOVE: (Clause 3.3.1) Install ground temperature cables at the locations and to the depths indicated on Drawings C-CAM-14, C-KID-14 and C-KID-16 or as directed by the Departmental Representative. Final locations of the ground temperature cables are to be confirmed in the field by the Departmental Representative.

REPLACE WITH: Install ground temperature cables at the locations and to the depths indicated on Drawings C-CAM-14 and C-KID-14 or as directed by the Departmental Representative. Final locations of the ground temperature cables are to be confirmed in the field by the Departmental Representative.

AND

REMOVE: Entire Clause 3.4 Installation of Kidney Pond PSWMS Flow Monitoring Station.

- 6) In the specifications Section 05 50 00:

REMOVE: Entire Section 05 50 00 Metal Fabrication and any associated references throughout specifications

- 7) In the specifications Section 31 05 16 Clause 1.1.3.3:

REMOVE: (Clause 1.1.3.3) Kidney Pond Portal Seep Water Management System (PSWMS) aggregate required based on drain and berm design

- 8) In the specifications Section 31 11 00 Clause 1.1.1.2:

REMOVE: (Clause 1.1.1.2) The areas surrounding the Portal Seep Water Management System and the WRSCA at Kidney Pond.

REPLACE WITH: The areas surrounding the WRSCA at Kidney Pond.

- 9) In the specifications Section 31 22 13 Clauses 1.1.1.5, 1.4.9, 1.8, 1.8.4, 1.9.2, 1.9.8, 1.9.9, 1.9.10, 3.2, 3.2.2.1 and 3.2.5:

REMOVE: (Clause 1.1.1.5) Constructing the Portal Seep Water Management System (PSWMS) at Kidney Pond.

AND

REMOVE: (Clause 1.4.9) Rockfill/Drain Rock: Coarse aggregate drainage material, as defined in Section 31 05 16 – Aggregate Materials, for construction of the PSWMS.

AND

REMOVE: (Clause 1.8) TSCA, WRSCA, Landfarm and PSWMS Design

REPLACE WITH: TSCA, WRSCA and Landfarm Design

AND

REMOVE: Entire Clause 1.8.4 Kidney Pond Portal Seep Water Management System (PSWMS)

AND

REMOVE: Remove reference to Drawing C-KID-16 under Clauses 1.9.2 (i.e. C-KID-08 to C-KID-16 replaced by C-KID-08 to C-KID-15)

AND

REMOVE: Text under Clauses 1.9.8, 1.9.9 and 1.9.10

AND

REMOVE: (Clause 3.2) TSCA, WRSCA, Landfarm and PSWMS Construction

REPLACE WITH: TSCA, WRSCA and Landfarm Construction

AND

REMOVE: (Clause 3.2.2.1) Examine Drawings C-KID-08 to C-KID-16 for conceptual WRSCA designs, WRSCA Location, and Contractor's approved Construction Plan.

REPLACE WITH: Examine Drawings C-KID-08 to C-KID-15 for conceptual WRSCA designs, WRSCA Location, and Contractor's approved Construction Plan.

AND

REMOVE: Entire Clause 3.2.5 Kidney Pond PSWMS

- 10) In the specifications Section 31 23 33.01 Clauses 1.1.1.6 and 1.9.5:

REMOVE: (Clause 1.1.1.6) Excavation works for Kidney Pond Portal Seep Water Management System (PSWMS).

AND

REMOVE: (Clause 1.9.5) The excavation of soil and sediment at the PSWMS for the flow monitoring station will be measured for payment by the cubic meter of excavated material as determined from survey method identified in Section 31 22 13 - Grading and Earthworks Construction. Excavated soil and sediment at the PSWMS will be paid under Item 31 23 33.01-1 found in the Basis of Payment Schedule– Contingency Items table. This item (PSWMS) is contingent on the data to be collected in the summer of 2016.

- 11) In the specifications Section 31 32 19.01 Clauses 1.1.1.4 and 1.6.2:

REMOVE: (Clause 1.1.1.4) The Portal Seep Water Management System (PSWMS) in conjunction with installation of the geomembrane liners as indicated on Drawings C-KID-11.

AND

REMOVE: (Clause 1.6.2) The installation of the Non-Woven Geotextile will be paid under Item 31 32 19.01-4 for the PSWMS, found in the Basis of Payment Schedule – Contingency Items table. This item (PSWMS) is contingent on the data to be collected in the summer of 2016. Excavating and backfilling necessary to install and anchor the geotextile beneath the original ground surface will be measured for payment as indicated in Section 31 22 13 – Grading and Earthworks Construction.

- 12) In the specifications Section 31 32 19.02 Clauses 1.1.1.1 and 1.7.2:

REMOVE: (Clause 1.1.1.1) LDPE textured Geomembranes at the Waste Rock and Soil Containment Area (WRSCA), Tailings and Soil Containment Area (TSCA) and the Portal Seep Water Management System (PSWMS).

REPLACE WITH: LDPE textured Geomembranes at the Waste Rock and Soil Containment Area (WRSCA) and Tailings and Soil Containment Area (TSCA).

AND

REMOVE: (Clause 1.7.2) The installation of Geomembrane liner to the lines and dimensions indicated, including all labour, materials, tools and supervision, will be measured for payment by the square metre of Geomembrane Installed and will be paid under Items 31 32 19.02-4 for the PSWMS found in the Basis of Payment Schedule – Contingency Items table. No extra payment shall be made for material overlay requirements or for patches over damaged or failed material. This item (PSWMS) is contingent on the data to be collected in the summer of 2016.

- 13) In the specifications Drawing C-KID-06:

REMOVE: (Note #10) The portal shall be backfilled and capped as per tender specifications. A passive treatment system will be used to address the portal seepage (contingent on 2016 field investigation). See Drawing C-KID-16 for details on the contingent portal seep management system.

REPLACE WITH: The portal shall be backfilled and capped as per tender specifications. (see revised Drawing C-KID-06)

- 14) In the specifications Drawing C-KID-09:

REMOVE: Entire Note #4 and other references to PSWMS. (see revised Drawing C-KID-09)

- 15) In the specifications Drawing C-KID-10:

REMOVE: Entire Note #6 and other references to PSWMS. (see revised Drawing C-KID-10)

16) In the specifications Drawing C-KID-12:

REMOVE: Entire Note #7 and other references to PSWMS (including Sections 8 and 9). (see revised Drawing C-KID-12)

17) In the specifications Drawing C-KID-15:

REMOVE: Entire Note #5 and other references to PSWMS. (see revised Drawing C-KID-15)

18) In the specifications Drawing C-KID-16:

REMOVE: Entire Drawing C-KID-16 (no longer required as it pertains to PSWMS)

19) In the specifications Drawing List sheet:

REMOVE: Reference to C-KID-16 (no longer required as it pertains to PSWMS)

20) In the specifications Basis of Payment:

REMOVE: Basis of Payment – Contingency Work Section 2 Table (no longer required as it pertains to PSWMS)

D) Answer questions

1. Is there should be a fixed rate, is the Crown should get a third party agreement. Is there a tonne km rate, what about spurs? Can you circulate contact information?
 - a. The Crown will not be making a third party agreement in this case, this will remain the responsibility of the Contractor should they choose to do so. Contact information: Ron Near, Director, Winter Road Operations, 1-867-669-6500 ext 6561, ron.near@riotinto.com
2. The permits haven't been issued, can we make assumptions for regular/normal approval? Will we be compensated for anything out of the ordinary?
 - a. Refer to Invitation to Tender for sample and assume the same conditions. If there are significant changes, a change order can be discussed.
3. Burnt Island – Old Mill – is this being saved or is it waste?
 - a. This is waste.
4. Does the steel in the water by the mill have to be removed?
 - a. As per Section 02 41 16 Clause 1.10.1.7 material present in greater than 0.5 m depth water or 10 m from shoreline are to remain. However, if the item is deemed a safety concern, it may be removed following best management practices for removing submerged debris and in consultation with the Departmental Representative and AHJs.
5. Shaft, backfilled or capped?
 - a. Refer to Section 01 11 00 Clause 1.3.13.1 for a description of work at Burnt Island.
6. Grave or graves? Aboriginal graves?
 - a. Grave area is present at Burnt Island and shall be marked prior to remediation activities.
7. Camlaren - The land farm location?
 - a. The land farm location is a 'proposed' location. The location chosen by the contractor shall be shown in the Detailed PHC Impacted Soil Treatment Plan.
8. Have you done a borrow match, volume to deposit?

- a. For internal purposes this has been completed. For the purposes of construction, the information has been provided in the borrow source report as part of supporting documents.
9. Are we expected to re-vegetate?
 - a. Reference Section 31 23 33.01 Clause 3.9.1.
10. Will there be a site rep at each site? The way the specs are written now an almost professional surveyor is needed at each site
 - a. This will be a product of the logistics plan for each contractor. The requirements to survey are detailed in the specifications.
11. Kidney Pond – if we hit rock, is that included in the price, for ditching???
 - a. If rock removal is required yes.
12. Volumes in the BOP 3 to 1 to 4 to 1? Does that include the liner?
 - a. The volumes account for a 4:1 sloping and include liner.
13. Storm, we design the seal? An air tight seal?
 - a. Reference Section 01 81 00 for a description of work associated with mine openings.
14. Do the permits applications include considerations for barging?
 - a. The Land Use Application includes it as potential. It should be part of your access plan if this is a proposed transportation method.
15. We have to transport the samples to the south, where is the lab?
 - a. See Item A), 4) above.
16. Ice road – are we allowed to use the JV road along the lake? Or do we have to push a road beside it? If we use it, will we be charged?
 - a. Mobilization (including the use of the JV winter road if proposed) is the contractor responsibility. Any proposed use of the JV road, or other use of roads in the area should be discussed with the JV group. Contact information provided in Item D), 1) above.
17. How does hauling work? Moving between the sites? How do the rates work? Can we get a tonnage rate?
 - a. Mobilization (including the use of the JV winter road if proposed) is the contractor responsibility. Any proposed use of the JV road, or other use of roads in the area should be discussed with the JV group. Contact information provided in Item D), 1) above.
18. Are there any areas that we have to excavate tailings from water?
 - a. No
19. Section 31 23 15 – Dewatering outlines the requirements to dewater all mineshafts prior to backfill/capping operation. Does this water need to be tested prior to discharging over land? If no testing or treatment is required prior to discharging this water over land, is it necessary to employ an independent Engineer to approve the dewatering method and observe these pumping operations?
 - a. As per Section 31 23 15, discharge shall be a minimum of 30 m from surface water bodies and in accordance with Land Use Permit and Water Licence. Treatment for this water is not required.
20. Drawing C-BUR-03 – Coordinates were provided for BUR_50_02 but none were provided for BUR_50_01.
 - a. Revised drawing has been uploaded to Buzzsaw for reference.
21. Section 31 23 33.01 Sub-section 1.9.3 – It states that an initial survey will be taken of the ground profile prior to excavation, this should read prior to backfilling, and an additional survey will be taken upon completion of backfilling.
 - a. Reference Item A), 1) above.
22. Section 31 22 13 – Grading and Earthworks Construction – Who is responsible for compaction testing.
 - a. Reference Section 31 22 13 Clause 3.6 - Departmental Representative is responsible for inspection and testing soil compaction.
23. There appears to be a discrepancy between the specs and the drawings with regards to monitoring wells, the Specs (Section 02 51 00 Subsection 1.1.1.2) state that there is to be three monitoring wells installed at both the WRSCA (Kidney Pond) and TSCA (Camlaren) locations, however the drawings only indicate two wells at either location. (Dwgs: C-CAM-13, C-KID-15)

- a. There are two wells in each facility, and one downgradient monitoring well where the location will be chosen by the Departmental Representative. However, one additional upgradient and one additional downgradient monitoring well has been added in the revised basis of payment table (i.e. two within each facility, one upgradient, two downgradient).
24. The specs (Section 02 51 00 Subsection 1.1.1.4) also state that there is to be three monitoring wells at the Kidney Pond Portal Seep Water Management System Location however the drawing (C-KID-16) only shows this in one location.
 - a. Reference Item C), above which removes the Kidney Pond Portal Seep Water Management System from the project.
25. The way the spec is worded makes it appear that there should be a total of 6 monitoring wells in the Kidney Pond area, however the drawings only show three. We should get clarification to see if they are referring to the same three wells when talking about both locations, or if they truly do intend for 6 total. In the case of the Camlaren site please confirm that they require 3 wells as opposed to the two shown.
 - a. Reference Item D), 29 above.
26. Is it possible to receive an unsecured copy of the drawings only (not accompanied by the specifications) Pg 594-650
 - a. Yes, the unsecured drawings have been uploaded to Buzzsaw
27. Does the crown have the appendices separate from the specifications all in unsecured format? I would like to download them separate from the entire package so that I can send sections (appendices) to vendors without irrelevant information
 - a. Yes, the appendices have been uploaded separately onto Buzzsaw
28. Appendix 1 – Combined Price Form – Specification Reference # 31-22 13-9 Intermediate Fill – WRSCA 10870 m3. Please provide a breakdown of how this number was calculated and where the material originates from.
 - a. This is indicated in the Unit Price Table (Metals and/or Co-mingled impacted soil shall be used as intermediate fill where available. This Item covers any additional Type 2 intermediate granular fill requirements) and sources and calculations are documented in the RAP.
29. Appendix 1 – Combined Price Form – Specification Reference # 31-22 13-10 Intermediate Fill – TSCA 17950 m3. Please provide a breakdown of how this number was calculated and where the material originates from.
 - a. This is indicated in the Unit Price Table (Metals and/or Co-mingled impacted soil shall be used as intermediate fill where available. This Item covers any additional Type 2 intermediate granular fill requirements) and sources and calculations are documented in the RAP.
30. On the Invitation to Tender document – page 39 of 58, Line Item 4.6 Point 1. Mine Manager / Site Superintendent Certified as a NWT WSCC Supervisor Level II (proof of certification will be requested prior to contract award). I confirmed with WSCC that Leadership for Safety Excellence (LSE) with the proficiency certificate is compliant with their Safe Supervisor Level II course. Their authorized training provider Northern Safety Association (NSA) in fact offers LSE as the safe supervisor course. Please confirm acceptance of LSE meets the intended requirement.
31. On its own the LSE course through the Construction Safety Association is not enough to qualify for the Supervisor Level II. One must still pass the 100 question exam through WSCC, maintain the required first aid (Level II 16 hour course or equivalent) and have 5 years construction experience or a related University Degree.
32. Can we have the Logistics plan and site wide hazard assessment?
 - a. The Stantec Logistics Plan and Site Wide Hazard Assessment has been posted on Buzzsaw

33. Can we have a copy of the AANDC Northern Land Use Guidelines: Pits and Quarries (2010)
 - a. A copy has been posted on Buzzsaw
34. For health and safety, is there a minimal crew size that would not require coverage (WSCC)?
 - a. Please refer to the WSCC and associated acts and regulations for working in the Northwest Territories with respect to requirements for coverage.