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COMMITMENTS TABLE A: DAR Commitment Tables

| Table 1. DAR Commitments - Anticipated Plans, Reports and Studies (DAR Table 15.3.1) |  |  |
|--|--|--|
| #  | Commitment   | Reference  |
| 1  | INAC will prepare a comprehensive procurement strategy that optimizes employment, business and training opportunities for Aboriginal, local and northern residents.  | DAR Chapter 1, Section 1.4.4,<br>DAR Chapter 8, Table 8.11.3, Table 8.11.5 |
| 2  | A detailed design for the remediation of Baker Creek will be prepared with active involvement from Aboriginal communities, Yellowknife residents, and government departments. The detailed design for the rehabilitation of Baker Creek will be based upon, among other things, flood carrying capacity, habitat creation, erosion resistance and the restoration of a natural hydrograph. | DAR Chapter 8, Table 8.4.2, Table 8.7.2                                    |
| 3  | Results of the freeze optimization study will be used as input to the detailed engineering and design process.   | DAR Chapter 6, Section 6.2.9.1   |
| 4  | A detailed revegetation plan, which includes studies to select species and define seeding, planting and fertilization requirements will be produced.   | DAR Chapter 6, Section 6.6.6<br>DAR Chapter 8, Table 8.8.2                 |
| 5  | Design of a new water treatment plant that will be based upon Best Available Technology for the separation of arsenic precipitates from the treated water.   | DAR Chapter 6, Section 6.8.5   |
| 6  | An engineering study of alternative on-land and offshore outfall and diffuser installation methods will be completed. The detailed designs for the outfall and diffuser will be based on the findings of this study.   | DAR Chapter 6, Section 6.8.6<br>DAR Chapter 8, Table 8.4.5                 |
| 7  | Plans will be developed for the demolition of buildings and handling of waste, based on current industry best practises that meet local requirements for protecting the safety of site workers and the public, and protection of the environment.  | DAR Chapter 6, Section 6.11.1  |
| 8  | Environment, Health and Safety Plans for implementation of the Project will be developed, which will include details regarding: <ul style="list-style-type: none"><li>• Emergency/spill response;</li><li>• Erosion and sedimentation controls;</li><li>• Dust management;</li><li>• Building demolition;</li></ul>  | DAR Chapter 8, multiple sections   |



| Table 1. DAR Commitments - Anticipated Plans, Reports and Studies (DAR Table 15.3.1) |   |                                |
|--|---|--------------------------------|
| #  | Commitment  | Reference                      |
|  | <ul style="list-style-type: none"><li>Fuel management;</li><li>Protocols for vegetation surveys; and</li><li>Measures to respond to potential transportation incidents.</li></ul>   |                                |
| 9  | Plans will be developed for the collection and management of contaminated water generated during remedial works (e.g., excavation water contaminated with arsenic or hydrocarbons). | DAR Chapter 8.4.5              |
| 10   | A Wildlife Management Plan will be developed.   | DAR Chapter 8, Table 8.8.2     |
| 11   | Habitat surveys will be conducted in any areas that are to be disturbed to confirm that rare or endangered species are not present.   | DAR Chapter 8, Section 8.8.2.4 |
| 12   | Pre-demolition audits will be conducted to determine if structures to be demolished are being used as wildlife habitat.   | DAR Chapter 8, Table 8.8.2     |
| 13   | A protocol for the management and reporting of archaeological artifacts and sites will be developed.  | DAR Chapter 8, Table 8.10.3    |
| 14   | Memoranda of Understanding (or similar types of arrangements) will be developed with key emergency response services providers.   | DAR Chapter 8.11.3             |
| 15   | A Traffic Management Plan will be developed.  | DAR Chapter 8, Table 8.11.4    |

| Table 2a. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2) |   |   |
|---|---|---|
| A) In-design Mitigation Features  |   |   |
| #   | Commitment  | Location in DAR   |
| 16  | The freeze system (active and passive) will be designed to remain effective under “worst case” climate change scenarios.  | DAR Chapter 9, Section 9.2.3                            |
| 17  | Mine openings to surface will be sealed with structures requiring minimal maintenance to remain stable and effective in the long-term.  | DAR Chapter 6, Section 6.3.4                            |
| 18  | Physical barriers will be established around the perimeter of the A1, A2, B2, B3 and C1 Pits; the B1 and Brock Pits will be backfilled.   | DAR Chapter 6, Section 6.4.3, Table 6.4.1               |
| 19  | Only demolition material from buildings that can be decontaminated of hazardous materials will be disposed in a non-hazardous waste facility.   | DAR Chapter 6, Section 6.12.1                           |
| 20  | Process residues from the Roaster and Mill complexes, as well as any other materials or machinery contaminated with soluble arsenic, will be disposed within one of the freeze zones. | DAR Chapter 6, Section 6.12.2                           |
| 21  | The footprint of areas requiring disturbance of vegetation is to be minimized.  | DAR Chapter 8, Table 8.4.2 & Table 8.6.7 & Table 8.11.2 |
| 22  | To the extent feasible, disturbance of areas known to possess permafrost will be avoided.   | DAR Chapter 8, Table 8.5.4                              |
| 23  | New borrow sources will only be used in situations where insufficient material is available from previously disturbed areas.  | DAR Chapter 8, Section 8.8.2.4                          |



|    |   |                              |
|----|---|------------------------------|
| 24 | Free standing structures will be designed and built to meet applicable earthquake standards in the National Building Code.  | DAR Chapter 9, Section 9.2.3 |
| 25 | Surface drainage (including spillways and conveyance structures) in remediated tailings areas will be designed to convey the selected PMP event. Designs will also accommodate increased surface flows associated with climate change (if any). | DAR Chapter 9, Section 9.2.3 |

| Table 2b. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)<br>B) Mitigation and Monitoring - During the Remediation Phase |  |  |
|--|--|--|
| #  | Commitment   | Location in DAR  |
| 26   | Any spills of arsenic dust encountered during underground preparation will be cleaned up and deposited in the nearest accessible arsenic chamber or stope.   | DAR Chapter 6, Section 6.2.5.2                                 |
| 27   | Temperatures in the frozen wall around each chamber or stope will be monitored throughout the initial freezing to ensure that the design criteria are met before dust saturation.  | DAR Chapter 6, Section 6.2.6                                   |
| 28   | During dust saturation, water addition rates and levels will be monitored within each chamber and stope, and any seepage into the surrounding drifts will be monitored.  | DAR Chapter 6, Section 6.2.8.1                                 |
| 29   | Where concentrated sources of arsenic contaminated materials are encountered in stable underground workings, such as the main tunnels, they will be removed to a secure underground disposal site.   | DAR Chapter 6, Section 6.3.2                                   |
| 30   | Hazardous material in the underground mine workings will be brought to surface for disposal in accordance with procedures appropriate to the material type.  | DAR Chapter 6, Section 6.3.3                                   |
| 31   | Earthworks activities will be conducted using standard operational practices to control erosion and sedimentation. The sediment control works will be maintained and operated until the areas have been stabilized (e.g., through revegetation) and erosion is reduced to levels typical of natural areas. | DAR Chapter 6, Section 6.6.9                                   |
| 32   | Soils that are co-contaminated with petroleum hydrocarbons and arsenic will be deposited in a frozen zone. .   | DAR Chapter 6, Section 6.10                                    |
| 33   | PCB-contaminated soil will be excavated, handled and disposed of in accordance with the <i>Guideline for the General Management of Hazardous Waste in the NWT</i> .  | DAR Chapter 6, Section 6.10                                    |
| 34   | Hazardous materials, from building demolition, or other activities will be handled and disposed of according to industry best practices and the <i>Guideline for the General Management of Hazardous Waste in the NWT</i> .  | DAR Chapter 6, Section 6.11.3<br>DAR Chapter 6, Section 6.12.2 |
| 35   | Waste asbestos materials that are not contaminated with arsenic will be bagged and buried in the Northwest Pond in a designated hazardous material (HAZMAT) area.  | DAR Chapter 6, Section 6.11.3                                  |
| 36   | Hazardous materials other than asbestos waste and arsenic trioxide contaminated waste will be disposed in an approved facility.  | DAR Chapter 6, Section 6.12.2                                  |



| Table 2b. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)<br>B) Mitigation and Monitoring - During the Remediation Phase |   |  |
|--|---|--|
| #  | Commitment  | Location in DAR  |
| 37   | Bulk quantities of fuel will be stored in double-walled containers. The fuel dispensing area will be lined and a sump will be dug to collect any spills that may occur.   | DAR Chapter 8, Table 8.4.5<br>Table 8.5.2, Table 8.5.3 |
| 38   | Spill kits will be available at fuel storage and dispensing facilities.   | DAR Chapter 8<br>Table 8.4.5, Table 8.5.2, Table 8.5.3 |
| 39   | Spill response training will be provided to personnel.  | DAR Chapter 8, Table 8.4.5, Table 8.5.2, Table 8.5.3   |
| 40   | Daily inspection of vehicles and fuel storage facilities will be carried out.   | DAR Chapter 8<br>Table 8.4.5, Table 8.5.2, Table 8.5.3 |
| 41   | Silt curtains will be employed during construction of the outfall to minimize the area affected by dispersion of sediment solids disturbed during placement of the outfall pipe and diffuser.   | DAR Chapter 8, Table 8.4.5                             |
| 42   | The in-stream rehabilitation of portions of Baker Creek will be carried out while the reach is dewatered whenever possible. In creek reaches where realignment is planned, remediation work can be carried out under dry conditions after creek flows have been diverted or during periods approved by DFO. | DAR Chapter 8, Table 8.4.6                             |
| 43   | If permafrost areas cannot be avoided, excavations will be regraded/sloped, armoured and vegetated to promote permafrost development.   | DAR Chapter 8, Table 8.5.4                             |
| 44   | Clean-up kits will be kept at drilling sites in the event of a release of arsenic trioxide dust.  | DAR Chapter 8, Table 8.6.7                             |
| 45   | During the unfrozen period, haul roads and earthworks work areas will receive an application of a chemical suppressant or light watering to control dust.   | DAR Chapter 8, Table 8.6.7                             |
| 46   | All motorized remediation vehicles will be maintained in good condition in accordance with applicable regulations.  | DAR Chapter 8, Table 8.6.7                             |
| 47   | All heavy equipment will be equipped with standard industrial noise suppression devices.  | DAR Chapter 8, Table 8.6.8, Table 8.8.2                |
| 48   | Consideration will be given to implementing remedial works during periods that avoid key life stages of resident and migrating species. Regulatory authorities are to be informed of specific activities that are anticipated to cause a disturbance.   | DAR Chapter 8, Table 8.8.2                             |
| 49   | The Project Team commits to working with the Yellowknives Dene First Nation to identify and preserve any graves and additional Aboriginal Heritage Resources that may be present within the SSA.  | DAR Chapter 7, Section 7.6.6.1                         |
| 50   | All areas that have the potential of being subjected to new surface disturbances will be evaluated by the Prince of Wales Northern Heritage Centre prior to the initiation of remediation to determine archaeological heritage potential.   | DAR Chapter 8, Table 8.10.3                            |

**Table 2b. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)****B) Mitigation and Monitoring - During the Remediation Phase**

| #  | Commitment  | Location in DAR                  |
|----|---|----------------------------------|
| 51 | Borrow sources will be regraded, contoured and, where possible, re-vegetated to encourage conformity with the surrounding landscape.  | DAR Chapter 8, Table 8.11.2      |
| 52 | During extreme rainfall events, work stoppages will be implemented when remediation activities that could threaten water quality or the aquatic environment are being carried out.  | DAR Chapter 9, Section 9.2.2.3   |
| 53 | The Project Oversight Committee will be supported by a GNWT – Government of Canada Giant Mine Remediation Intergovernmental Working Group as described in Chapter 14. The role of the Working Group will be to ensure that the activities of federal and territorial departments contributing to the remediation of the Giant Mine site are integrated to the greatest extent possible, and that information is shared to support overall due diligence in the remediation of the site. | DAR Chapter 13, Section 13.11    |
| 54 | Both INAC and the GNWT are committed to developing an Environmental Management System (EMS) that will be central to the ongoing monitoring and performance improvement of the Giant Mine remediation Project.   | DAR Chapter 14, Section 14.1.1   |
| 55 | An audit protocol, including third-party auditing, and review process will be an integrated part of the EMS.  | DAR Chapter 14, Section 14.1.1   |
| 56 | The assessment of environmental performance, and compliance with the objectives and targets of the EMP's will be carried out through a regular program of monitoring and evaluation set out in the EMS.   | DAR Chapter 14, Section 14.1.3   |
| 57 | Where activities on site are governed by specific authorities, for example protection of fish habitat under the <i>Fisheries Act</i> as enforced by DFO, the Project Team will work with such authorities to achieve compliance.  | DAR Chapter 14, Section 14.1.5   |
| 58 | As the project advances, and in response to monitoring results, Aboriginal communities and the public will be engaged in the review of monitoring results and the identification of adaptive management approaches needed to address any environmental issues identified through the monitoring program.  | DAR Chapter 14, Section 14.1.6   |
| 59 | To establish Aboriginal involvement throughout the life of the project, INAC will work with local Aboriginal communities and organizations to create the mechanisms to support a direct and distinct Aboriginal role in the planning and implementation of monitoring and evaluation activities for the Project, including the formation and funding for a joint Aboriginal and government body in cooperation with Aboriginal communities.   | DAR Chapter 14, Section 14.1.6.1 |
| 60 | INAC and the GNWT will continue to support the Community Alliance in its role of sharing information about the remediation project with the Yellowknife community and relaying public concerns and issues about the remediation of Giant Mine back to INAC.   | DAR Chapter 14, Section 14.1.7   |
| 61 | To ensure the effectiveness of efforts to manage risks, and to ensure that of themselves remediation actions do not contribute significant environmental effects, a long-term monitoring program will be developed and implemented.   | DAR Chapter 14, Section 14.2     |
| 62 | Annual Report(s) will be prepared annually to summarize and review all operational and environmental data collected in the 1-year reporting period.   | DAR Chapter 14, Section 14.2     |
| 63 | Status of the Environment (SOE) Reports will be prepared every three years during the initial 15-year remediation period and every five years thereafter, to summarize, review and interpret the operational and environmental data collected in the reporting period and to provide  | DAR Chapter 14, Section 14.2     |

**Table 2b. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)****B) Mitigation and Monitoring - During the Remediation Phase**

| #  | Commitment   | Location in DAR                |
|----|--|--------------------------------|
|    | recommendations for modification to the monitoring program or site operations that may be affecting environmental quality.   |                                |
| 64 | To address concerns about the effects on the Project and other projects on the receiving environment, a cumulative effects monitoring program will be developed as part of project implementation. | DAR Chapter 14, Section 14.2.8 |

**Table 2c. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)****C) Additional Mitigation and Monitoring – Post Remediation<sup>1</sup>**

| #  | Commitment   | Location in DAR                |
|----|--|--------------------------------|
| 65 | Water draining from the tailings containment areas will be directed to the minewater collection system for treatment until such time that water quality meets the arsenic concentration discharge criterion. Direct discharge (e.g., to Baker Creek) of surface drainage that does meet the arsenic discharge criterion will be permitted. | DAR Chapter 6, Section 6.6     |
| 66 | Monitoring wells will be installed within the sludge and tailings containment areas to permit long-term water level measurements and collection of pore water samples for analysis.  | DAR Chapter 6, Section 6.6.7   |
| 67 | Water levels in the mine will be maintained significantly below the local static water level until such time that monitoring indicates it is suitable for release to the environment without treatment.  | DAR Chapter 7, Section 7.2.3   |
| 68 | The occurrence of an earthquake with a magnitude of 5.0 or greater will prompt a geotechnical inspection of the tailings covers, dams, conveyance channels and other potentially vulnerable structures.  | DAR Chapter 9, Section 9.2.2.1 |

**Table 2d. DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)****D) Other Commitments**

| #  | Commitment   | Location in DAR              |
|----|--|------------------------------|
| 69 | The Project Team remains open to improvements in the frozen block method, and will re-evaluate alternatives if technologies advance or if monitoring data indicate unforeseen emerging risks to the environment and/or humans. | DAR Chapter 6, Section 6.2.2 |

<sup>1</sup> The Environmental Monitoring and Evaluation Framework and the Environmental Management System established as part of it, as well as the Long-term Environmental Monitoring Program will continue into the post-remediation stage and in some form indefinitely.



Table 2d.      DAR Commitments - Mitigation, Monitoring and Other Commitments (DAR Table 15.3.2)  
D) Other Commitments

| #  | Commitment  | Location in DAR                |
|----|---|--------------------------------|
| 70 | INAC’s Giant Mine Project Office will provide direct oversight of the project implementation, and continue to act as the lead for regulatory affairs, communications, and consultation.   | DAR Chapter 6, Section 6.13.1  |
| 71 | The Project Team will secure the input of government wildlife regulators and traditional knowledge holders during work schedule planning in order that remediation activities consider the presence and key life stage of sensitive species in a work area. | DAR Chapter 8, Section 8.8.2.4 |
| 72 | The Project Team will maintain effective lines of communication with community organizations using land adjacent to the Giant Mine to encourage awareness of all parties of land uses that might be disturbed during the Remediation Phase.                 | DAR Chapter 8, Table 8.11.2    |
| 73 | The Project Team will continue to have dialogue with parties interested in preserving the Giant Mine’s heritage buildings.  | DAR Chapter 8, Table 8.11.2    |
| 74 | Remediation activities will be carried out within a regulated work environment under the authority of the Workers’ Safety and Compensation Commission.  | DAR Chapter 8, Table 8.11.4    |



COMMITMENTS TABLE B: Alternatives North Round Two Information Request 01: Response

| Table 1a. Information Request – Round 1 Commitments |   |   |
|---|---|---|
| A) Water and Regulatory                             |   |   |
| #   | Commitment  | Reference   |
| R1IR1   | The Project Team commits to working with City of Yellowknife regarding the construction of the outfall/diffuser to avoid any periods in which the City of Yellowknife would also be constructing a new drinking water intake.   | Round One: Information Request: - North Slave Métis Alliance #08    |
| R1IR2   | In addition, the Project Team will develop an Aquatic Effects Monitoring Program for operations at Giant Mine, utilizing INAC’s 2007 “Guidelines for Designing and Implementing Aquatic Effects Monitoring Programs for Development Projects in the Northwest Territories.” | Round One: Information Request – Yellowknives Dene First Nation #12 |

| Table 1b. Information Request – Round 1 Commitments |   |   |
|---|---|---|
| B) Surface  |   |   |
| #   | Commitment  | Reference   |
| R1IR3   | The re-vegetation strategy for the site will be determined during the development of detailed designs for the tailings covers and other areas. The decision-making process will include the implementation of additional community engagement to determine preferred approaches to re-vegetation, including long-term monitoring and adaptive management. | Round One: Information Request - Review Board IR #09  |
| R1IR4   | Giant Mine Remediation Project Team (Project Team) will continue to work with interested parties to minimize impacts on the continued use of the marina and town site.  | Round One: Information Request - City of Yellowknife #01<br>Round One: Information Request - Yellowknives Dene First Nation #17 |

| Table 1c. Information Request – Round 1 Commitments |   |  |
|---|---|--|
| C) Monitoring                                       |   |  |
| #   | Commitment  | Reference  |
| R1IR5   | The Project Team is committed to developing a monitoring program in a manner that is inclusive. It will be done in a manner that is transparent and meets the principles listed in IR Response to Review Board #27 in the first Round of IRs, including accountable, adaptive and credible. | Round One: Information Request - Review Board #27<br>Round One: Information Request - Environment Canada #15 |
| R1IR6   | Subject to limitations set out in ATIP, the Project Team is committed to providing all final research and data regarding monitoring, environmental management plans, spills and any information required by legislation, regulation, policy and guidelines.                                 | Round One: Information Request - Alternatives North #19  |
| R1IR7   | Summaries of Public Consultations including issues raised and responses will be made publicly available.  | Round One: Information Request - Alternatives North #20  |

| Table 1d. Information Request – Round 1 Commitments |  |  |
|---|--|--|
| D) Roles and Responsibilities                       |  |  |





| #     | Commitment   | Reference  |
|-------|--|--|
| R1IR8 | The Project Team will participate with the City of Yellowknife and other parties during the creation of Land Use and Transportation Plans for the Giant Mine Site. | Round One: Information Request - City of Yellowknife #07 |

**Table 1e. Information Request – Round 1 Commitments****E) Other**

| #     | Commitment   | Reference  |
|-------|--|--|
| R1IR9 | The Project Team has committed to holding further Industry Day information sessions in the DAR, Table 13.13.2 Looking Forward: The Consultation and Engagement Plan. Additional community meetings, public sessions and information sessions will be held to inform Aboriginal, local and northern businesses, as well as business at large, about the opportunities the Remediation Project has and inform the Project Team about local resources. (Please note that the Project Team held this Industry Day on August 1, 2012) | Round One: Information Request - City of Yellowknife #13 |

**Table 2a. Commitments Arising from 17 – 21 October 2011 Technical Sessions****A) Compensation / Apology**

|     | Commitment   | Location within Technical Sessions Transcripts |
|-----|--|--|
| TS1 | The Giant Mine Remediation Project Team commits to arranging a meeting between YKDFN and RDG (Please note that this meeting was held on June 4, 2012). | Day 1 – 17 October 2011<br>110: 4-10           |

**Table 2b. Commitments Arising from 17 – 21 October 2011 Technical Sessions****B) Perpetual Care**

| #   | Commitment  | Location within Technical Sessions Transcripts |
|-----|---|--|
| TS2 | The GMRPT to review the project after 100 years to determine whether the remediation plan is doing what it is supposed to and whether it is the correct approach to continue. | Day 4 – 20 October 2011<br>247: 8-25; 248: 1   |

**Table 2c. Commitments Arising from 17 – 21 October 2011 Technical Sessions****C) Future Land Use / Marina Expansion**

| #   | Commitment   | Location within Technical Sessions Transcripts |
|-----|--|--|
| TS3 | The GMPT to work with the City of Yellowknife on maintaining access to the boat launch and marina. | Day 2 – 18 October 2011<br>255: 15-21          |



|     |   |                                      |
|-----|---|--------------------------------------|
| TS4 | The GMPT will participate in a public workshop on future land use for Giant Mine. | Day 3 – 19 October 2011<br>147: 8-10 |
|-----|---|--------------------------------------|

| Table 2d. Commitments Arising from 17 – 21 October 2011 Technical Sessions |   |  |
|--|---|--|
| D) Independent Monitoring  |   |  |
| #  | Commitment  | Location within Technical Sessions Transcripts |
| TS5  | To have a workshop/meeting on independent oversight with the Parties to the Environmental Assessment. On March 6-7, 2012, the Project Team participated in Alternatives North (AN) and the Yellowknives Dene First Nation (YKDFN) jointly hosted a workshop to explore definitions and concepts for arms length monitoring of the Giant Mine Remediation Project. | Day 5 – 21 October 2011<br>142: 1-3            |

**COMMITMENTS TABLE C: Round Two Information Request Responses – Commitments Summary**

| Table 1a. Information Request – Round 2 Commitments - DRAFT |   |  |
|---|---|--|
| #   | Commitment  | Reference  |
| R2IR1   | A review of emergent technologies will occur every ten years following the full implementation of the Frozen Block Method and the results will be reported in the State of the Environment Report for that year. The exact details on how this will be conducted will be determined as part of the development of the Environmental Management System (EMS), however it will include an organization or similar body that will oversee this review. The review will take place using public and private organizations and all emergent technologies identified in the review will be submitted to an Independent Peer Review Panel for applicability to the Giant Mine.   | Round Two: Information Request - Review Board #06<br>Round Two: Information Request - Review Board #07 |
| R2IR2   | Please note that the commitments tables have been developed based the knowledge currently available and changes may arise due to the outcomes of the Environmental Assessment, the final project design, or during project implementation. As a consequence, this list of commitments may be altered to reflect those outcomes. Any such changes will be communicated.  | Round Two: Information Request – Alternatives North #01  |
| R2IR3   | <p>The closure and reclamation of the Giant Mine site will be consistent with the goals set out in the Guidelines consistent with the life cycle stage of the mine. Due to the complexity of the Giant Mine site, and the need for very long-term monitoring of some components, it is likely that EMPs will be developed by aspect, not as a single closure plan document.</p> <p>Much of the detail requested in the IR will be addressed in the detailed design and EMP stages of the project.</p> <p>Engagement on the development of EMPs will be in the context of the larger consultation and engagement plan for the Project. It is anticipated that primary engagement on the development of EMPs will be through workshops with an Environmental Management System (EMS) working group composed of affected Aboriginal groups and interested parties. Workshops will be structured to share and solicit input as well as to validate progressive work in the development of EMPs. Please see the August 10, 2012 letter from the EMS Chair, Erika Nyysönen outlining the existing status of EMS working group and path forward.</p> | Round Two: Information Request – Alternatives North #03  |
| R2IR4   | Technology reviews will be conducted on a 10 year basis following remediation. Results will be made public with an opportunity to comment.  | Round Two: Information Request – Alternatives North #04  |
| R2IR6   | NTPC has adequate generating capacity to meet the Giant Mine requirements. At such times during the year that there are localized increases in demands to the system, the proponents will limit usage for short periods of time at the request of the NTPC.   | Round Two: Information Request – Alternatives North #09  |
| R2IR7   | The Giant Mine Remediation Project Team (Project Team) will comply with City regulatory requirements as applicable.   | Round Two: Information Request – Alternatives North #15  |
| R2IR8   | The meeting summaries from the Oversight Committee will continue to be made public via the Giant Mine Public Registry.  | Round Two: Information Request – Alternatives North #19  |
| R2IR8   | <p>The Giant Mine Remediation Project Team (Project Team) is in the process of expanding on the approach laid out in Chapter 14 and is committed to working with the Parties to define the approach further. This applies to developing and implementing the Environmental Management System (EMS) and the Environmental Management Plans (EMPs) as described in Chapter 14 of the DAR. Through the EMS and EMPs the Project Team is committed to establishing criteria and to monitoring and evaluating environmental protection success and the meeting of regulatory responsibilities throughout the remediation of Giant Mine.</p> <p>As discussed at the technical sessions, the Project Team is committed to working with the Parties to improve the proposed monitoring of Giant Mine and will be actively involved in the Oversight Workshop hosted by the Yellowknives Dene First Nation and Alternatives North.</p>   | Round Two: Information Request – Alternatives North #22  |

**Table 1a. Information Request – Round 2 Commitments - DRAFT**

| #     | Commitment  | Reference   |
|-------|---|---|
| R2IR9 | Based on comments from meeting with the stakeholders during the October 2011 Technical Sessions, the Project Team committed to conduct a risk workshop at a future date. The scope and schedule for a workshop is still being developed and stakeholders will be notified as to the nature of the workshop and how stakeholders will be involved. Materials developed during the course of the workshop will be made available to the public. A revised Failure Modes Effects Criticality Analysis will be submitted to the Review Board should a change occur.   | Round Two: Information Request – Alternatives North #25 |
| R2IR9 | <p>In the Developers Assessment Report (DAR), and in more detail at the October 2011 Technical Session, the Project Team presented plans for stakeholder participation in the development of environmental management plans. The Project Team is committed to sharing information with interested parties on the progress of this effort.</p> <p>The Water Licensing process is expected to include a more detailed consideration of engineering designs and implementation methods for many components of the proposed Remediation Plan. The Project Team anticipates that further details of the proposed sequence of freezing and wetting process, including any variants that remain under consideration, will be available by that time.</p> | Round Two: Information Request – Alternatives North #27 |

**Table 1b. Information Request – Round 2 Commitments (Additional from Review Board) - DRAFT**

| #      | Commitment   | Reference  |
|--------|--|--|
| R2IR10 | <p>Aboriginal Affairs and Northern Development Canada (AANDC) remains committed to the existing funding mechanism over the short and medium term phases of the project... AANDC remains open to considering the most effective and efficient funding mechanism in order to maintain the integrity of the project.</p> <p>AANDC expects that future governments will have the capacity and willingness over the long term to keep the arsenic at the site contained. It is expected that the Government as a stable entity that has existed since 1867 will take all measures necessary to protect the human health and safety of Canadians.</p>  | Round Two (Part B): Information Request - Review Board #01 |
| R2IR11 | <p>The working group has concluded that it is in the individual and collective best interests of the parties to the working group and the general public that a Giant Mine Remediation Project environmental monitoring committee be established prior to the initiation of the Project. The Committee would be representative of the public, advisory in nature and would monitor implementation of the environmental aspects of the Giant Mine Remediation Project.</p> <p>The Giant Mine Remediation Project environmental monitoring advisory committee would not make decisions with respect to the operations of the project. Operational responsibilities and decisions would remain with the Developer.</p> <p>The working group will report back to the parties and will update the Review Board on the progress of the discussions and any outstanding issues prior to the July 11, 2012 deadline for technical submissions.</p> | Round Two (Part B): Information Request - Review Board #03 |

**COMMITMENTS TABLE D: APPENDIX D of DPRA Final Summary Report of June 27-28 Workshop**

| Table 1b. Information Request – Round 2 Commitments (Additional from Review Board) |   |  |
|--|---|--|
| #  | Commitment  | Reference  |
| AD1  | Todd: you have to give us something as a starting point, there has to be some kind of design guidelines that will have relatively hard and fast rules. This is the principle question we are discussing, so this has to happen in the next month or so, so we know that the rule isn't a bad rule.<br>Daryl: I have to think more on this and will give you an answer.<br>Mike: this [...a narrative of failure...] is an interesting proposition, and we will need some time to think about this.]   | Action Item 1 – Underground freezing: criteria for success             |
| AD3  | Kevin: slide 32 – Trade-off Study, I understand that you can release some information about configurations and what works, while holding back proprietary information, but I want to know if you will be submitting this to the Review Board. I would like to see this before the Public hearing, and if this is happening in July, this would be a good way to pull all this work together. It would be helpful if this package could be put together and submitted before the Hearings. A version of the Trade-Off Study that includes considerations and steps would be appreciated.<br>Mike: we need to look into that and check the federal process for whether or not we can do that. | Action Item 3 – Report (trade-off study)                               |
| AD4  | Kevin: will the wetting update be filed with the Review Board before the Public Hearings?<br>Mike: yes we plan to. (I'm looking into what's required in releasing material in regard to protocols on proprietary material)  | Action Item 4 – Update (wetting update)                                |
| AD6  | Alan: which way do the currents flow from the diffuser?<br>John: one of the things that the upcoming sampling periods will incorporate is currents. We need currents, under ice samples, and water quality.<br>Alan: you should have preliminary sampling available for the public hearings if you're doing sampling in August.   | Action Item 6 – Report (preliminary sampling data related to diffuser) |
| AD7  | Todd: the YKDFN use this area all the time. We're concerned that at a later date, the project team might say, well there's thinning and there's nothing we can do about it. What is the proponent's commitment to ensuring that the ice thinning will not occur?<br>Mike: our commitment is to meeting our remediation objective concerning ice thinning as a result of our design.<br>Kevin: we are looking for a commitment that the diffuser will not cause any thinning of the ice.   | Action Item 7 – Diffuser and effect on Ice                             |
| AD8  | Todd: on the two studies Amy Sparks mentioned (sediment and fish habitat) is there an ETA on those reports?<br>Mike: they are part of the program; part of which is scheduled for this summer. We can get back to you on that.<br>Please note that this is the same sediment study as mentioned in Action Item 19.  | Action Item 8 - Reports (sediment and fish habitat)                    |
| AD9  | Kevin: I understood the City was looking at an area off 48 <sup>th</sup> Street for water intake for potable water, you might be advised to talk to the city about their possible water intake.<br>John/Mike: we can check with the City to determine the location and investigate the options of including that in the study area.   | Action Item 9 – Confirm proposed location of City water intake         |
| AD10   | Bruce: the first round of sampling that was done in the Bay areas was done in under-ice conditions.<br>Adrian: this information has not been posted yet, but it will be provided when available.  | Action Item 10 – Report (sampling of bay in under ice conditions)      |
| AD11   | Rudy: an evaluation was put together as part of the bench-scale testing to ensure that we could achieve a level of 0.2 and we have been working toward that.<br>Kevin: IR Round 2 AN 07.<br>Todd: can you put that evaluation on the registry? We asked for that in IR Round 1 YKDFN<br>Mike: I can check into that.  | Action Item 11 – Report (bench-scale tests of arsenic levels)          |
| AD12   | Kevin: are you worried that flooding of the mine will affect these levels? I have a concern about sulphates and it's not on the list, and my understanding was that sulphates coming out of the mine effluent are high.<br>Rudy: I will check on that   | Action Item 12 –Sulphates in mine effluent                             |
| AD13   | Todd: we requested an [AANDC] org chart and did not receive a response.<br>Kevin: including location of staff is also important. We also want a both a current org chart and a hypothetical org chart for project maintenance.<br>Mike: we will get back to you tomorrow on that.   | Action Item 13 – Organization chart                                    |

**Table 1b. Information Request – Round 2 Commitments (Additional from Review Board)**

| #    | Commitment  | Reference  |
|------|---|--|
| AD14 | Adrian: I was pretty sure we provided that [May 4, 2011 Oversight Committee Summary] but I will check into that. We can take this conversation off line   | <b>Action Item 14 – Report (Oversight Committee Summary)</b>                     |
| AD15 | Todd: can we please have a commitment to provide a small map that shows the Baker Creek realignment and the highway realignment and the schedule for activities?<br>Adrian: yes.  | <b>Action Item 15 – Map of Baker Creek and Highway Realignment</b>               |
| AD16 | Kevin: I want to know what your figures [cost estimates] are for Baker Creek, and you already have a rough estimate for the North Diversion, and if those are close, I think that may influence what we want to talk about at the Public Hearings. I want to see the North Diversion option on the table.<br>Daryl: we can use the same estimates we made for the DAR and we can make new estimates, but there is a concern about releasing a new set of estimates. We can include some of the things Alan is asking for.<br>Alan: I ask for this because you will need to be prepared for this to come up in the hearing. We're looking for rough numbers that help describe the amount of work in the project.  | <b>Action Item 16 – Updated Financial Resource Requirements</b>                  |
| AD17 | Kevin: is the developer going to provide a new cost estimate for the project, including Baker Creek?<br>Joanna: I have a better understanding of what you're asking for, so we will go back and see what we can produce that will satisfy your needs while still working under what we are allowed to release.<br>Kevin: if we get the cost estimates at the Public Hearing that is not helpful. I want them before the Public Hearing please. This is something I would consider asking the Board to make a ruling on.<br>Joanna: Something will be provided in advance of the Public Hearing  | <b>Action Item 17 – Cost Estimates</b>   |
| AD18 | Alan: are you planning to periodically look upstream during your maintenance to see if there are beaver dams that could have an impact on your project?<br>Adrian: right now we are doing some of that, during care and maintenance there are other arms of AANDC that are dealing with this.<br>Mike: I agree that this makes sense. So we can have a look to see how it fits into the project and it makes sense to look at it, as it is a risk   | <b>Action Item 18 – Upstream monitoring for beaver</b>                           |
| AD19 | Kevin: it's fine for John to say that the Sediment Report will be filed with regulators, but I want a commitment from the Proponent to file the report.<br>Adrian: I cannot guarantee that it will be ready before the Public Hearings, but it will be submitted to the parties and the public registry once it is complete   | <b>Action Item 19 – Report (sediment report)</b>                                 |
| AD20 | Octavio: the records being generated now are being stored digitally in our CDM system, so this buys us a little bit of time to develop the records you refer to. We are currently digitizing the old records and we need to make sure that everything is being stored and updated. The program as a whole has been thinking about this, and I will provide a copy of the report that discusses our thinking on records management – we will check the status of this document and it should be finalised and submitted to the Public Registry before the Hearings. It doesn't address management 1000 years into the future, but it does lay out our current thinking.  | <b>Action Item 20 – Records Keeping</b>  |
| AD21 | Daryl: I think the most honest statement about perpetual care is that a lot of groups around the world are thinking about it and there are a lot of good ideas coming from many sources. There are always lessons to be learned from other areas of thinking, but I think you want to be cautious about suggesting that the Project Team is deficient on this. For example, one of the things we considered in our frozen block studies was how do you determine failures over long timespans...Risks like this occur, and we considered these risks when looking at methodologies that will be most suitable for perpetual care. We selected an option that would best address these risks. I will look up this supporting document and provide it to the parties (it is on the registry somewhere). | <b>Action Item 21 – Report (risk and perpetual care in selection of options)</b> |
| AD22 | Kevin: will you be applying [to the City]? For what permits?<br>Adrian: we will be complying with all legislation. We spoke to the City of Yellowknife about the demolition of the Roaster and a development permit was not required.   | <b>Action Item 22 – City Permits</b>   |



| Table 1b. Information Request – Round 2 Commitments (Additional from Review Board) |   |   |
|--|---|---|
| #  | Commitment  | Reference   |
|  | Kevin: you will get any building or demolition permits the city asks you to acquire?<br>Adrian: yes, we will apply for any permits the City determines are required moving forward.   |   |
| AD23   | Kevin: R2 AN IR 17 – talking about worst case scenarios, we asked how would an emergency situation be communicated to the public? We had this situation with Baker Creek last year and that was a communications disaster. I was getting calls from people in the community who were confused and there was mixed response to the media. The response said that AANDC communications would handle it, but I want to know if you have a MOU with the City, and if you don’t you need to develop it.<br>Adrian: we learned a lot from what happened with Baker Creek. We do not have an MOU, but it’s an interesting idea and we could look into it.              | Action Item 23 – Possible MOU with City               |
| AD24   | Kevin: I asked for the field trial design for the covers in the first round of IRs, and it sounds like there have been some advances in the design, so it sounds like you are moving towards selecting an option. I think it would be helpful to put that on the public registry; some sort of note about the numbers you’re looking at. This will be useful information to have so we know what the design looks like and what it’s setting out to achieve - just a quick memo.<br>Adrian: I will talk to Mike Nahir about how we can get that done for you in a timely manner. I need to talk to my team about how and when we would be able to get this out. | Action Item 24 – Memo on field trial design of covers |

- Note that the few commitments which were not those of the proponent (e.g. Review Board or Party to the EA) were removed from this table. For the complete list please go to the source document.