CONTROLLED DOCUMENT

IESP Early Site Works Commitment Register

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COMMITMENT REGISTER - OVERVIEW

Definitions	A COMMITMENT is a voluntary statement of action, or a goal, offered by authorized IESPL personnel to the public, stakeholder(s) and/or regulator(s). Commitments are derived from publicly available information (e.g. corporate policies, IESPL website, meeting minutes, public announcements, public presentations, regulatory applications including impact assessments, project descriptions, the development plan or other applications; IR responses, or letters to stakeholders). Commitments can also be in emails, or verbal, in which case they are recorded in IESPL Meetings of Minutes or the IMS Stakeholder Meeting Log (phone calls, emails, virtual meetings, face to face meetings). CONDITIONS are activities or actions IESPL is legally bound to complete (e.g. from an approval issued by a regulatory agency). Canada Energy Regulator defines conditions as: *"Conditions are legal requirements that a company must satisfy to be allowed to perform activities under an Authorization. Conditions are important tools in the responsible development of projects through all lifecycle phases (e.g., prior to and during construction, post-construction, operation and maintenance, and abandonment). Conditions create project-specific requirements that complement general statutory, regulatory, and other requirements."* Conditions are typically delivered to IESPL from a regulator and are derived from Regulator Approvals, Permit Terms and Conditions, Orders, or other official correspondence. Conditions are normally provided in writing from the regulatory authority to IESPL. This Commitment Register is a list of all commitments made by IESPL in the application for authorization for Early Site Works and related submissions, and includes: i) reference to the documentation in which each commitment appears (for example: the application and subsequent filings; responses to information requests; any permit, authorization, or approval requirements; condition filings; Environmental Impact Screening Committee decision; or other documents); ii) the accountable lead person or team responsible for implementing each commitment; and iii) the estimated timeline required to fulfill each commitment by project phase.
Objective	The IESPL Commitment Register is part of the IESP Integrated Management System (IMS) to assist IESPL in meeting our legal obligations and requirements as well as our commitments to and requests from communities and stakeholders. The Commitment Register is used to ensure commitments are implemented into the appropriate part of engineering, design, planning, construction, procurement and/or operations, as required. Each commitment will be "closed out" on the Register before project phase completion, indicating that the commitment has been responsibly managed. Ongoing commitments will be tracked and regularly reviewed by Senior Management to ensure they are still appropriate and are being met.
Instructions	**Initiating the Commitment Register** The Director, Regulatory Compliance with the input and support of the Community Relations Lead, and the Discipline Leads, is responsible for ensuring commitments are properly recorded into the Commitment Register. The Director, Regulatory Compliance is also responsible for ensuring that new entries are communicated to the appropriate party (e.g. the discipline lead(s) responsible for implementing a given commitment). New entries MUST include: 1) a unique Identifier number, 2) the source of the commitment in the "Reference Documents" worksheet, including 3) page and paragraph number where possible, and, 4) the commitment, copied VERBATIM from the source. Characterization of the commitment into TYPE, PHASE, ASPECT and RESPONSIBLE PARTY should be completed shortly following the entry and may require the support of a subject matter expert (SME) or a Division Lead. Cell entries requiring the support of an SME are highlighted in yellow until they are confirmed. **Table Maintenance and Communication** The Director, Regulatory Compliance, or designate, shall work with the Community Relations Lead, other Division Leads, Entity Leads, and/or Discipline Leads to maintain an accurate status of each commitment on the register. The register shall be updated as needed and controlled properly so only the most recent version is available in the IMS. An updated copy of the updated register will be filed with the CER, identifying the updates in a blackline version, on a quarterly basis until the end of the seventh year following the completion of Early Site Works construction. As the project progresses, commitments may become obsolete or may not be applicable to the project. The Commitment Register is used to track the status of all commitments including rationale for those commitments that become obsolete or are not feasible. These changes in status are tracked in the Commitment Register. Numerous commitments are similar. These commitments will be consolidated at a later date. Consolidations will include the unique Identifier numbers and the sources for each of the commitments that went into the consolidation. Communication of an update to the commitment register should be emailed from the Director, Regulatory Compliance to the Responsible Lead within 2 business days. The Responsible Lead is responsible to notify all affected leads of the new commitment(s) within 3 business days.

Audit and Evaluation
The Commitment Register will be audited annually. Specific items to be audited include:

Consolidations
Accuracy of descriptions, characterizations, and assignment of responsible leads
Source description
Evidence of communication completeness
Closures and implementation

Management Review and Continual Improvement
The Commitment Register will be reviewed by the Senior Management Team and approved by the IESPL President at an agreed frequency for the project. After each review and approval the signed Commitment Register will be converted to PDF and saved while updates will continue in the live register. A current copy will be available at the construction office through the IESP IMS Sharepoint site. The "live" version of the Commitment Register is located in the IMS at this link**:**

Integrated Management System - REGISTERS - All Documents (sharepoint.com)

Inuvialuit Energy Security Project

Summary of Reference Documents

Updated: 2023-12-08

CER Source	Document Owner	File Name	Document Type	Document Title	Source Date/Revision	Link
1	IESPL	PD Appendix 6 - Letters of Support and Community Meeting Attendees	Application Appendix	Community Meeting Attendees & Letters of Support: Appendix 6	2020-09-28	Integrated Management System - PD Appendix 6 - Letters of Support and Community Meeting Attendees.pdf - All Documents (sharepoint.com)
2	EISC	2021-01-25 EISC to IPC EISC Decision Letter 09-20-04 11 (17)(b) w Recommendations	Approval	EISC Letter to IPC Decision Letter Re: Development and Production of the M-18 Gas Well	2021-01-25	Integrated Management System - 2021-01-25_EISC to IPC_EISC Decision Letter 09-20-04 11(17)(b) w Recommendations.pdf - All Documents (sharepoint.com)
3	IESPL	IESP Development Plan-Part One-July 9 2021	Application	IESP Development Plan Part One	2021-07-09	Integrated Management System - IESP Development Plan - Part One - July 9 2021.pdf - All Documents (sharepoint.com)
4	IESPL	IESP Development Plan-Part One Covering Letter 09 July 2021	Letter	IESP Development Plan Part One - Covering Letter	2021-07-09	Integrated Management System - IESP Development Plan - Part One_Covering Letter 09 July 2021.pdf - All Documents (sharepoint.com)
8	IPC	2021-04-28 IPC Letter to CER_GNWT Waiver of Benefits Plan w/ attachment	Approval	IPC-GNWT Waiver of Benefits Plan under OGOA17(2)	2021-04-28	Integrated Management System - 2021-04-28_IPC Letter to CER_GNWT Waiver of Benefits Plan w attachment.pdf - All Documents (sharepoint.com)
10	IPC	IPC Response to Commission IR No.2 for IPC Development Plan Approval	IR Response	Attachment to Commission Letter - IPC Application for 2021 Development Plan Approval	2021-12-01	Integrated Management System - 2021-12-01_IPC Response to Commission_Commission IR No. 2_Additional information for the Development Plan Application.pdf - All Documents (sharepoint.com)
13	CER	2022-03-08_C18065-1 CER Letter to GNWT-Transmission of Decision regarding IPC's application for a Development Plan for the IESP-A8C4J7	Approval	Letter Decision re: Transmission of Decision regarding IPC application for a Development Plan for the IESP (includes link to CER full document)	2022-03-08	Integrated Management System - 2022-03-08_C18065-1_CER_Letter to GNWT_-_Transmission_of_Decision_regarding_IPC's_application_for_a_Development_Plan_for_the_IESP_-_A8C4J7.pdf - All Documents (sharepoint.com)
			Approval	CER Letter Decision	2022-03-08	C18061-1_Commission_Letter_Decision_-__IPC_-_Approval_of_Development_Plan_for_the_Proposed_IESP_-_A8C4I4.pdf (cer-rec.gc.ca)
14	IESP	2022-11-18 IESPL to CER IESPL Response to Information Request No.1 ESW	IR Response	Information Request Response to Information Request No.1 (ESW OA)	2022-11-18	Integrated Management System - 2022-11-18_IESPL Response to CER Information Request No.1_ESW.pdf - All Documents (sharepoint.com)
16	IESP	2023-01-27 IESPL Response to CER Information Request No.2 ESW IFRR	IR Response	Information Request Response to Information Request No.2 (ESW OA)	2023-01-27	Integrated Management System - 2023-01-27_IESPL Response to CER Information Request No.2_ESW_IFRR.pdf - All Documents (sharepoint.com)
18	IESP	IESP-CORP-REG-120 Application for Early Site Works OA-FINAL	Application	Application for Operations Authorization Inuvialuit Energy Security Project - Early Site Works Phase	2023-03-29	Integrated Management System - IESP Operations Authorization Application for Early Site Works.pdf - All Documents (sharepoint.com)
20	IESP	2023-04-07 IESPL to CER Response to IR No.4 ESW and WW IFRR	IR Response	Information Request Response to Information Request No. 4 (ESW and WW OAs)	2023-04-07	Integrated Management System - 2023-03-24_IESPL to CER_Response to IR_No.4 - ESW and WW_IFRR.pdf - All Documents (sharepoint.com)
22	CER	Letter Decision (ESW OA)	Approval	CER Letter Decision - ESW OA	2023-06-28	Integrated Management System - 2023-06-28_C25240-1_Commission Letter Decision_OA for ESW.pdf - All Documents (sharepoint.com)
23	DFO	Letter Decision	Letter	20-HCAA-02170 RE: Proposed new clear-span bridge	2020-10-30	Integrated Management System - 2023-06-28_C25240-1_Commission Letter Decision_OA for ESW.pdf - All Documents (sharepoint.com)
24	IESPL	2023-11-20_IESPL Response to CER ORCA_ESW OA-Condition 14 - IR No.1	IR#1 Condition 14	Information Request Response to Information Request No. 1 (ESW OA Condition 14)	2022-06-42	Integrated Management System - 2023-11-20_IESPL Response to CER ORCA_ESW OA - Condition 14 - IR No.1.pdf - All Documents (sharepoint.com)

Inuvialuit Energy Security Project

Summary of Commitments from ESW OA and related submissions

Updated: 2023-12-08

Submitted to CER: 2023-12-18

CER ID	CER Source	Section or Paragraph #	Commitment Description	Type	Phase	Aspect	Lead by:	Progress Status
	1		**Refer to Conditions Worksheet**					
	2		**Refer to Conditions Worksheet**					
53	3	Pg.214 Para.1	During the short summer period, if roads become dry, dust suppression measures will be applied 50m either side of the access road stream crossing to minimize this impact. The GNWT Dust suppression guidelines will be followed. An ambient dust monitoring program will be in place during summers to provide timely information. Management strategies will be adapted based upon the findings of the monitoring, to ensure dust impacts from the access road are minimized.	**Commitment**	All phases	Air Quality	Environmental - Alan	Planned
54	3	Sec. 13.3.8 Para.2	An incinerator will be in operation at the facility to burn off gases from non-routine operations such as if parts of the plant need to be quickly and safely shutdown; or a pressure safety valve is activated for process safety reasons; or to burn off intermediate fuel products that cannot be recycled to keep the process operating.	**Commitment**	Commissioning and Operations	Air Quality	Engineering -Startec	Planned
55	3	Pg.218 Para.7	The air emissions generated from operations have been carefully modelled so the design of the plant will not exceed NWT AAQG or foreseeable Canadian Ambient Air Quality Guidelines.	**Commitment**	Commissioning and Operations	Air Quality	Environmental - Alan	Planned
56	3	Pg.231 Table23 Row 1	Through the Inuvialuit Land Administration, MACA and the Hamlet of Tuktoyaktuk, IPC will pursue a coordinated and cooperative approach to gravel sourcing.	**Commitment**	All Phases	Borrow	EPCM - Brent	Planned
57	3	Pg.35 Para.6	IPC is committed to engaging in discussions (with governments, energy producers, the service sector, community leaders, customers and energy consumers) that will contribute to climate policy that is predictable, transparent and provides incentives for lower emitting technologies.	**Commitment**	All phases	Climate/GHGs	Corporate - Travis	Planned
58	3	Pg.3 Para.3	IPC will continue engagement throughout the planning, construction, commissioning, operations, and decommissioning phases.	**Commitment**	All phases	Community	Community Relations - Verna	Planned
59	3	Sec.1.2.2.2 Para.2	Reduce the costs of heating and fuel to help local residents and to attract business and investment to the region.	**Commitment**	All Phases	Community	Corporate - Travis	Planned
60	3	Pg.35 Para.3	IESP will be a safe, compliant, environmentally sound, quality controlled, fit-for-purpose, cost-effective project that provides economic and social benefits to Inuvialuit beneficiaries, local residents, and businesses.	**Commitment**	All phases	Community	Corporate - Travis	Planned
61	3	Pg.35 Para.4	IPC expects that local communities, people, and businesses will be long term partners and advocates for the project, ensuring the project's success for decades to come.	**Commitment**	All phases	Community	Corporate - Travis	Planned
62	3	Pg.35 Para.5	The IESP will always consider the needs of the current and future generations in decision making and activity. This approach will involve ongoing consultation to determine stakeholder needs and expectations, through ongoing monitoring of potential impacts; and through ongoing assessment of risk and opportunity to improve the Project.	**Commitment**	All phases	Community	Corporate - Travis	Planned
63	3	Pg.35 Para.6	The IESP will promote and advance a corporate culture that provides a safe and healthy workplace (including physical, psychological, and social well being)	**Commitment**	All phases	Community	Corporate - Travis	Planned
64	3	Pg.44 Para.3	Engagement is ongoing and will continue throughout the project life.	**Commitment**	All phases	Community	Corporate - Travis	Planned
65	3	Sec.11.3.2 Para.2	To maintain the confidence of personnel and contractors, IPC will promote and maintain open lines of communication with project stakeholders.	**Commitment**	All phases	Community	Corporate - Travis	Planned

66	3	Sec.12.3.1.1 Para.3	Through all stages of the Project, IPC will continue close collaboration and meaningful engagement with the local communities. Through this approach, IPC will seek to identify and resolve concerns and to improve the IESP based on the advice and innovative ideas contributed through a collaborative approach.	**Commitment**	All phases	Community	Community Relations - Verna	Planned
~~67~~	~~3~~	~~Pg.212 Para.7~~	~~IPC has initiated meetings with all the aforementioned (stakeholder) groups and will be updating the WMMP accordingly.~~	~~**Commitment**~~	~~All phases~~	~~Community~~	~~Environmental - Alan~~	~~Implemented and Closed~~
68	3	Sec.13.4.3 Para.2	The IESP will ….contribute to the enhancement of the local hospitals, fire departments and other services in Tuktoyaktuk and Inuvik	**Commitment**	All phases	Community	Corporate - Travis	Planned
69	3	Sec.13.4.6 Para.2	IPC intends to work in a cooperative and collaborative manner with the Hamlet of Tuktoyaktuk in all respects. Based upon extensive discussions to date, IPC does not expect the Project to create any significant or residual impacts to the community structure or services. Nevertheless, the Project team will communicate, plan, and coordinate with the various local services and infrastructure providers regularly, through the life of the Project, so that any strains on demand are mitigated quickly.	**Commitment**	All phases	Community	Community Relations - Verna	Planned
70	3	Sec.13.4.7	...effective mitigation (of substance abuse) will be a serious consideration, requiring a collaborative effort. The single most important mitigation strategy focuses on controlling substance abuse, and this will require initiatives by the project proponent, the GNWT and local communities. Mitigation measures that will be implemented by IPC include: • Enforcing policies for drug and alcohol-free workplaces on work sites, including travel to and from the south. • Educating local youth about employment policies and the opportunities and benefits from saying no to drugs. • Supporting long-term employees who may need support or time for personal challenges such as loss of a family member, care for an aging parent, divorce, or mental health challenges• The IESP will provide a robust benefits package for employees that includes disability insurance, health and dental coverage, personal spending, and life insurance. • Meeting regularly with Hamlet and GNWT social service workers to identify opportunities to help, how to best collaborate, and to facilitate adaptive management measures for addressing problems in a workable and appropriate manner.	**Commitment**	All phases	Health & Safety	Corporate - Travis	Planned
~~71~~	~~3~~	~~Sec.13.4.7.1 Para.3~~	~~IPC will be developing a detailed Health and Wellness Plan based upon the most current science and availability of effective vaccines prior to the mobilization of personnel from outside of the Beaufort-Mackenzie Region. The plan will reference and consider the most recent guidance from IRC, local communities, the GNWT, the federal government and the World Health Organization (WHO).~~	~~**Commitment**~~	~~All phases~~	~~Community~~	~~Health and Safety - Kevin~~	~~No Longer Applicable~~
~~72~~	~~3~~	~~Sec.13.4.7.1 Para.4~~	~~IPC will comply with all applicable laws and restrictions to protect human health during the project. IPC will look at other camp providers from elsewhere in Canada for lessons learned to minimize the risk of infection outbreak. The mobilization of any personnel from the south will follow existing quarantine rules.~~	~~**Commitment**~~	~~All phases~~	~~Community~~	~~Health and Safety - Kevin~~	~~No Longer Applicable~~
73	3	Sec.13.4.7.2 Para.1	The community has expressed a potential need to be able to cross the access road on an ATV or snowmobile for harvesting purposes. IPC has no objection to that and has committed to providing information to the community and the THTC to allow safe crossing of the road.	**Commitment**	All phases	Community	Community Relations - Verna	Planned
74	3	Sec.13.4.7.3 Para.2	IPC will work collaboratively with the Inuvialuit Education Society and sub-contractors to encourage youth to stay in school.	**Commitment**	All phases	Community	Community Relations - Verna	Planned
75	3	Sec.1.2.2.2 Para.2	Replace the Ikhil gas well and provide long-term energy security to local communities.	**Commitment**	All phases	Community	Corporate - Travis	Planned

76	3	Pg.239 Para.1	IPC remains committed to ongoing collaboration and consultation with local harvesters and other traditional land users. IPC is committed to adaptive management and the regular review of all management plans with the goal that the project will have negligible to minimal impacts to traditional land use in the Project Area.	**Commitment**	All phases	Community	Environmental - Alan	Planned
77	3	Sec.13.3.7 Para.2	Detailed drainage plans will be developed to maintain continued drainage flows and thermal degradation from ponding does not occur. Culverts will be built throughout the access road to make sure drainage is not impeded. The access road and facility pads are distanced from the water bodies and existing drainage, except for the creek crossing at KM 2.2. ... a bridge will be placed on piles over this creek crossing. Most of the proposed access road route is along a previously disturbed route that was used for the 2001 drilling program, thereby further minimizing soil and permafrost disturbance in the area.	**Commitment**	All phases	Drainage	Civil/Structural - KEBA	Planned
~~78~~	~~3~~	~~Sec.11.5 Para.1~~	~~An ERP for the IESP will be developed and maintained to address potential situations requiring any potential emergency actions. It will also be filed, as required, with our Operations Authorization application.~~	~~**Commitment**~~	~~All phases~~	~~Emergency Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
79	3	Pg.189 Para.2	IPC will review and update the ERP regularly as necessary using well-established methodologies such as HRVCA, (Hazard, Risk, Vulnerability, and Capability Assessment) to identify potential emergency scenarios; to remain consistent with regulations and CSA standards; and to reflect organizational and governmental changes and requirements.	**Commitment**	All phases	Emergency Mgmt	Senior Management Team	Planned
80	3	Sec.13.4.6 Table 23 Row 6	IPC will work closely with the RCMP in the event of an emergency or incident requiring police attention.	**Commitment**	All phases	Emergency Mgmt	Senior Management Team	Planned
81	3	Sec.13.4.6 Table 23 Row 2	IPC will work closely with the Tuktoyaktuk Fire Department (TFD) in the event of an emergency or incident requiring fire responders and/or firefighting equipment.	**Commitment**	All phases	Emergency Mgmt	Senior Management Team	Planned
~~82~~	~~3~~	~~Pg.31 Para.3~~	~~As per OGOA, the Operations Authorization application will provide detailed plans for Safety, Environmental Protection and our Integrated HSEQ (Health, Safety, Environment and Quality) Management System.~~	~~**Commitment**~~	~~All phases~~	~~Environmental Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
83	3	Sec.13.3.4 Para.7	Mitigations to protect fish and surface water will include: • Winter construction work to prevent impacts to fish, fish habitat or water quality. • Construction of a bridge rather than culvert over the unnamed stream. • GNWT guidelines for road access will be applied to all contractors to mitigate siltation, erosion issues, permafrost disturbance, etc • Dust suppression based on NWT Guidelines will be applied to minimize dust in the summer from truck traffic. • Dust monitoring and adaptive management. • A section of the stream that does have gravel substrate has been mapped and will be avoided. • All vehicle traffic crossing the bridge will be limited to a 30 km/hour speed limit. • No spills will enter a waterway at any time – comprehensive spill response plan will be in place.	**Commitment**	All Phases	Fish	Environmental - Alan	Planned
84	3	Pg.215 Para.3	The FJMC raised concern regarding impacts to fisheries. The EISC considers this addressed through additional mitigation and monitoring." IPC remains committed to addressing the concerns of the FJMC throughout the project life cycle.	**Commitment**	All phases	Fish	Environmental - Alan	Planned

85	3	Pg.181 Para.1	IPC is committed to providing and consistently maintaining a safe and healthy workplace for all employees, customers, partners, contractors, and suppliers. As the IESP advances through engineering and pre-construction planning, and as ongoing input is received through community engagement and regulatory reviews, IPC's HSEQ MS and our health, safety, environmental protection, and contingency plans will be revised and updated as needed.	**Commitment**	All phases	Health & Safety	Regulatory Group - Alan	Planned
86	3	Sec.11.2.1. Para.1	The HSEQ policy will describe IPC's intentions and goals for health, safety, environmental performance, and quality. The policy will define the primary HSEQ requirements in implementing and operating the IESP.	**Commitment**	All Phases	Health & Safety	Corporate - Travis	Planned
87	3	Sec.11.2.1. Para.2	• ensure that all employees and contractors understand that working safely is a condition of employment, and that they are responsible for their own safety and the safety of others • manage all projects, products, and processes through their life cycles in a way that protects safety and health and minimizes impacts on the environment • provide employees with the capability, knowledge, and resources necessary to instill personal ownership and motivation to achieve HSEQ excellence • provide relevant HSEQ information to contractors, and require them to prove proper training for the safe and environmentally sound performance of their work scope • measure, audit and report HSEQ performance and maintain open dialogue with stakeholder groups and with communities within which it operates • maintain a secure work environment to protect its employees and contractors and corporate assets from risks of injury, property loss or damage resulting from hostile acts • communicate its commitment to this policy to its subsidiaries, affiliates, and contractors, and to governments worldwide, and seek their support • ensure that IPC's Emergency Response Plan (ERP) and Contingency plans are documented, reviewed regularly, practiced, maintained, and communicated in accordance with industry best practices, OGOA requirements and regulations as required by governments with jurisdiction.	**Commitment**	All phases	Health & Safety	Corporate - Travis	Planned
88	3	Sec.11.2.3 Para.1	IPC will have an HSEQ committee for addressing HSEQ matters, including health and safety matters that apply to the workplace as required under Canada Labour Code, Part II, Occupational Health and Safety, Workplace Health and Safety Committee, Section 135.	**Commitment**	All phases	Health & Safety	Regulatory Group - Alan	Planned

89	3	Sec.11.2.3 Para.2	IPC's HSEQ committee will have responsibilities which include but are not limited to: • Participating in the development, implementation, and monitoring of a program for the prevention of hazards in the workplace that also provides for the education of employees in HSEQ matters related to those hazards. • Participating in the inquiries, investigations, studies, and inspections pertaining to the health and safety of employees, including any consultations that may be necessary with persons who are professionally or technically qualified to advise the committee on those matters. • Ensuring that adequate records are maintained on accidents, incidents, injuries, and hazards relating to the health and safety of employees, or any other aspect of HSEQ, and regularly monitor data relating to those accidents, incidents, injuries, and hazards. • Shall consider and evaluate any complaints relating to HSEQ, and particularly the health and safety of personnel or the community. Regular review of manuals and forms, assessment of statistical data, review of audit and inspection results, evaluating opportunities for program improvement, and recommending corrective actions.	**Commitment**	All phases	Health & Safety	Regulatory Group - Alan	Planned
90	3	Sec.11.2.3 Para.1	This committee will be briefed regularly and include, as a minimum: • A corporate executive or management representative • Technical advisors as needed • A representative from supervisors • A representative from workers, at least as many as required under the Canada Labour Code • Contractor representatives, by invitation only, as needed.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
91	3	Sec.11.2.3	Minutes from the HSEQ meetings will be documented and posted for all personnel within one week of the meeting.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
92	3	Sec.11.3 Para.2	During all project phases, IPC will apply all components of its corporate HSEQ system as well as instilling its HSEQ principles and Core Values on a continual basis.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
93	3	Sec.11.3 Para.2	If procedures or systems fails to meet a specific site requirement, the HSEQ Committee will collaborate with affected stakeholders and undertake amendment to systems/processes and procedures prior to the commencement of affected work.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
94	3	Sec.11.3.2	IPC is committed to providing: • A safe and healthy workplace • A workplace that is free of harassment and violence • Worksite orientations for all personnel, visitors, and contractors • Processes that select only qualified, trained, and competent personnel for work on site • Processes that verify all equipment used on site remains operational, maintained, and are properly operated within specifications of manufacturers and governmental requirements. • Opportunity and support for personnel and contractors to exercise their three workplace rights: - Right to refuse unsafe work - Right to participate - Right to know • Personal Protective Equipment and clothing for its personnel.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned

95	3	Sec.11.4	To verify that the HSEQ program remains effective and current, IPC intend to: • Complete regular audits (using both internal and external auditors) of the program. • Establish, review, maintain, and communicates corporate KPIs (Key Performance Indicators) for HSEQ • Conduct worker competency assessments / evaluations. • Complete a variety of facility, equipment, worker, and contractor inspections, audits, management site visits and observations at various frequencies. • Investigates all near misses, hazard IDs, incidents, and public complaints / concerns.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
96	3	Sec.11.4.2 Para.1	Records and reports will be maintained in a manner that provides for easy reference allowing supervisors, managers, and the HSEQ Committee to monitor the effectiveness of HSEQ management programs and to reinforce HSEQ program objectives.	**Commitment**	All phases	IMS - Sharepoint	IMS - Alan	Planned
97	3	Sec.11.4.2 Para.2	HSEQ records will include but are not limited to: • HSEQ meeting records • Incident investigation reports • First aid treatment reports • Task inventories and hazard assessments • Training, qualification and competency requirements and associated worker certifications • Work site inspection and audit records • Governmental audits and inspections • Fitness for duty records and associated worker health assessment records • Governmentally required product release and injury reports.	**Commitment**	All phases	IMS - Sharepoint	IMS - Alan	Planned
98	3	Sec.11.4.2 Para.5 & 6	IPC will maintain all records and reports required by government regulators and file them, as necessary, in accordance with the required timeframes established by the governing legislation. The operations department will maintain records of program activities allowing for continual evaluation of program effectiveness. Program records will include but not be limited to: • Vehicle and equipment maintenance, repair, performance, and inspection records • Tail gate meeting reports and HSEQ meeting minutes • Daily equipment and work site inspection reports • Contractor qualification and performance documents • Site and facility security access device distribution records • TDG Shipping papers and "bills of lading" • Governmentally required equipment and vehicle inspection reports • Environmental monitoring and/or sampling reports • Wildlife encounter reports • Environmental incident reports • Quality inspection reports • Emission and waste management records	**Commitment**	All phases	IMS - Sharepoint	IMS - Alan	Planned
99	3	Sec.11.4.3 Para.1	HSEQ related records and reports retained by various departments will be regularly reviewed by the HSEQ Committee or a committee-assigned person(s) and utilized to generate statistical data related to overall program performance, corporate expectation, industry standards, as well as governmental compliance.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
100	3	Sec.11.4.3 Para.2	IPC will collect the operations information necessary to track its performance metrics (or KPIs) which identify trends, areas of strength, weakness, and opportunity. Statistic reviews will also be used to adapt, modify, or establish KPIs, goals, and corporate policies and procedures.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned
101	3	Sec.11.4.3 Para.4	HSEQ statistics will be reviewed by senior management and communicated to all staff and employees regularly.	**Commitment**	All phases	Health & Safety	Health and Safety - Kevin	Planned

102	3	Pg.218 Para.3	Buildings will have appropriate gas detection to detect a leak. The gas detection will activate visual and auditory alarms inside and outside of buildings affected and the plant control system will also identify where and what the issue is. HVAC systems will be designed in such a manner to manage leaks.	**Commitment**	Design - Facility	Health & Safety	Engineering -Startec	Planned
~~103~~	~~3~~	~~Pg.218 Para.5~~	~~In the case of an ammonia leak the buildings that contain ammonia are monitored with visible and audible alarms. Any ammonia vapor or aquaammonia solution that is to be removed from piping or equipment for maintenance or turnaround activities will be discharged into drums of water and fully absorbed for recovery and re-use.~~	~~**Commitment**~~	~~All phases~~	~~Health & Safety~~	~~Engineering -Startec~~	~~No Longer Applicable~~
104	3	Sec.13.4.7.2 Para.1	Security cameras will also be utilized on premises.	**Commitment**	Commissioning and Operations	Monitoring	Security - Alan	Planned
105	3	Pg.171 Para.1	The Energy Centre facility will be a stand-alone facility surrounded by a secured fence with only one entrance and exit for normal operations. Emergency gates shall also be installed but not normally used.	**Commitment**	Design - Facility	Health & Safety	Security - Alan	Planned
106	3	Pg.181 Para.1	IPC is committed to providing and consistently maintaining a safe and healthy workplace for all employees, customers, partners, contractors, and suppliers. As the IESP advances through engineering and pre-construction planning, and as ongoing input is received throught community engagement and regulatory reviews, IPC's HSEQ MS and our health, safety, environmental protection, and contingency plans will be revised and updated as needed.	**Commitment**	All phases	Health & Safety	Regulatory Group - Alan	Planned
107	3	Sec.11.2.1	• ensure that all employees and contractors understand that working safely is a condition of employment, and that they are responsible for their own safety and the safety of others • manage all projects, products, and processes through their life cycles in a way that protects safety and health and minimizes impacts on the environment • provide employees with the capability, knowledge, and resources necessary to instill personal ownership and motivation to achieve HSEQ excellence • provide relevant HSEQ information to contractors, and require them to prove proper training for the safe and environmentally sound performance of their work scope • measure, audit and report HSEQ performance and maintain open dialogue with stakeholder groups and with communities within which it operates • maintain a secure work environment to protect its employees and contractors and corporate assets from risks of injury, property loss or damage resulting from hostile acts • communicate its commitment to this policy to its subsidiaries, affiliates, and contractors, and to governments worldwide, and seek their support • ensure that IPC's Emergency Response Plan (ERP) and Contingency plans are documented, reviewed regularly, practiced, maintained, and communicated in accordance with industry best practices, OGOA requirements and regulations as required by governments with jurisdiction.	**Commitment**	All Phases	Health & Safety	Health and Safety - Kevin	Planned
~~108~~	~~3~~	~~Pg.243 Para.3~~	~~One area of high archaeology potential along the proposed access road route was identified at approximately KM2.6 from the ITH intersection, south of the stream crossing. This area will undergo a field-based archaeological impact assessment (AIA) in the summer of 2021 prior to any construction activity in the area.~~	~~**Commitment**~~	~~All phases~~	~~Heritage Arky and Culture~~	~~Environmental - Alan~~	~~Implemented and Closed~~

109	3	Pg.243 Para.3	IPC has developed a chance find (stop work) procedure for the project as part of its Archaeological Site Management Plan. The procedure will be in force during road construction, and IPC will stop work and contact the ILA if any artifacts are discovered. The chance find procedure will be followed through the life cycle of the project and updated regularly to properly manage the discovery of artifacts that could be of heritage interest.	**Commitment**	All phases	Heritage Arky and Culture	Environmental - Alan	Planned
110	3	Pg.243 Para.8	IPC will be contacting the Prince of Wales Northern Heritage Centre to revise the Archaeological Site Management Plan and IPC will be conducting an AIA during the summer of 2021 in all areas of overlap with proposed site works construction.	**Commitment**	All phases	Heritage Arky and Culture	Environmental - Alan	Implemented and Closed
111	3	Pg.166 Para.1	Upon completion of the developed Operating Procedure, it **shall** be reviewed by Senior Management, be approved for implementation, use and distribution. The Division Manager **shall** become the document custodian/controller. • Operations/Production Manager – Custodian/Controller of operational procedures • Logistics Manager – Custodian/Controller of dispatch/logistics procedures • HSE Manager – Custodian/Controller of Safety related procedures • Maintenance Manager – Custodian/Controller of Maintenance and repair procedures • Engineering Manager – Custodian/Controller of Engineering related procedures.	**Commitment**	All phases	IMS - Sharepoint	Quality - Nyssa	Planned
112	3	Sec.11.2.1 Para.1	Integrating this (HSEQ) policy into daily operations is the objective of the HSEQ management system and will be the responsibility of all company employees and contractors.	**Commitment**	All phases	IMS - Sharepoint	Senior Management Team	Planned
113	3	Sec.11.2.2 Para.1	Within the HSEQ Management System and various Management Plans, leadership Roles and Responsibilities will be clearly identified, regularly communicated to personnel, reviewed, and amended as required. Employees and contractors at all levels must understand their responsibilities and must accept them as a condition of employment. later date.	**Commitment**	All phases	IMS - Sharepoint	Senior Management Team	Planned
114	3	Pg.7	IESP maximizes the retention of benefits and opportunities in the ISR with more than 1500 person-years of direct employment created over the next 50 years.	**Commitment**	All Phases	Jobs and Contracts	Human Resources -Travis	Planned
115	3	Sec.1.13 Para. 4	IPC will provide key contracts, training and opportunities to Inuvialuit individuals and businesses. The IRC maintains a list of Inuvialuit businesses based on criteria as outlined by the IRC Board. The Inuvialuit Business List (IBL) has been and will continue to be a source of potential contractors and suppliers for the IESP. IPC is engaging in ongoing discussions with IRC, the local Community Corporations, and local contractors to design and implement a fair and transparent process to select contractors for the IESP.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
116	3	Sec.1.2.2.2	Create opportunities for local businesses and provide good quality permanent jobs for residents.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
117	3	Sec.13.4.3 Para.1	The Inuvialuit provide a regularly updated listing of all businesses that are 50% or greater Inuvialuit-owned. This business list will be a primary source for identifying local suppliers and contractors. Opportunities that cannot be filled in the Region will be offered to Northern companies and then Canadian companies. The IESP Benefits Plan assures local, regional, territorial, and federal procurement wherever possible.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
118	3	Sec.13.4.3 Para.2	The IESP will maximize the use of local businesses and contractors.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
119	3	Sec.13.4.3.1 Para.1	The IESP is expected to create at least 25 direct full-time jobs and significant contracting opportunities during the construction and operation of the facility.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned

120	3	Sec.13.4.3.1 Para.2	To the extent possible, every job and contract will be filled locally. As this project progresses, and IPC gets ready to hire, it will make all employment and contract opportunities known on the IPC web page and through the Inuvialuit Corporate Group's website and social media platforms.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
121	3	Sec.13.4.3.2 Para.1	The Inuvialuit Business List will be used to source capable services.	**Commitment**	All phases	Jobs and Contracts	Human Resources -Travis	Planned
122	3	Sec.4.4.3	Reservoir fluids will be collected from the M-18 well. These samples will establish the initial composition of the field and provide reservoir fluid for analysis. Samples will continue to be collected and analysed, as required throughout the life of the well and the Project.	**Commitment**	All Phases	M-18 Well	Completions Engineer - Dick	Planned
123	3	Sec.5.3.5 Para.3	The temperature of the gas reservoir is significantly higher (~86°C) than the surrounding ground temperature, so if left unprotected, a significant amount of heat would be transferred to the permafrost soil, causing it to thaw. To minimize the chance of this ever occurring the annulus (area between well casing and the production tubing) will be filled with a gelled fluid that will limit the heat transferred to the surrounding frozen ground. Special production tubing that is vacuum jacketed is being looked at to further protect the surroundings from heat transfer. Vacuum jacket tubing is a special configuration where the tubing contains an inner portion surrounded by a vacant space and then an outer portion. The empty space between the inner and outer portions will have all the air removed from it - creating a vacuum in that space and protecting the permafrost.	**Commitment**	All phases	M-18 Well	Completions Engineer - Dick	Planned
124	3	Sec. 5.3.3 Para.2 and 3	Given the uncertainty of the events associated with climate change, greater vigilance, and effort on the part of maintenance operators will be required including regular inspections and monitoring of the performance of infrastructure (facilities are being designed to be supported on deep foundation systems that are designed to rely on permafrost at greater depth and can be made relatively less vulnerable to permafrost thaw). IPC has already installed strategically placed ground temperature cables for the IESP and will continue monitoring ground temperatures throughout the Project life cycle. Adaptation to climate change will be an ongoing exercise as part of IPC's "plan-do-check-act" cycle in the IESP Integrated Management System.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
125	3	Pg.214 Para.4	Commissioning and Operations: Regular monitoring for erosion and potential sedimentation will occur at roads, drainage culverts, the bridge, and both pads. Adaptive management will be used to respond to sedimentation and manage erosion from any erosion incidents resulting from site infrastructure or operations.	**Commitment**	All Phases	Monitoring	Environmental - Alan	Planned
126	3	Pg.217 Para.2	IPC intends to monitor the permafrost temperatures in the Project Area during the life of the Project.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
127	3	Pg.218 Para.6	Fugitive emissions are not expected, as the plant will have a monitoring program to find potential leaks and fix them. Loading stations will be equipped with vapour collection and recovery systems.	**Commitment**	Commissioning and Operations	Monitoring	Engineering -Startec	Planned
128	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Monitor noise levels quarterly (daytime and night-time) and adapt the facility and management processes based upon any new information about noise levels.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
129	3	Sec.13.3.9 Para.1	Noise levels during routine activity of pre-commissioning and operations will meet or exceed all regulations.	**Commitment**	Commissioning and Operations	Nuisance Impact (Light Noise Odours)	Environmental - Alan	Planned
130	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Remaining within industry standards for noise at all times.	**Commitment**	Commissioning and Operations	Nuisance Impact (Light Noise Odours)	Engineering -Startec	Planned
131	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Design and mitigate for noise from our various operations.	**Commitment**	Design - Facility	Nuisance Impact (Light Noise Odours)	Engineering -Startec	Planned
132	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Respond immediately to any noise complaints.	**Commitment**	All phases	Nuisance Impact (Light Noise Odours)	Community Relations - Verna	Planned
133	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Construction noise will be minimized by fabrication offsite in the south.	**Commitment**	Fabrication	Nuisance Impact (Light Noise Odours)	EPCM - Brent	Planned

134	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Loud equipment will be housed in buildings to reduce noise.	**Commitment**	Design - Facility	Nuisance Impact (Light Noise Odours)	Engineering -Startec	Planned
135	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • The Energy Centre will be designed and constructed utilizing technologies and equipment to mitigate noise from rotating equipment noise sources such as heat exchanger fin fans, compressors, and generator engine exhaust.	**Commitment**	Design - Facility	Nuisance Impact (Light Noise Odours)	Engineering -Startec	Planned
136	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Additional noise mitigation methods may include selection of lower noise fan designs with slower speeds, sound baffling systems, perforated wall panels for compressor buildings, and use of high-grade mufflers for generator engine exhaust.	**Commitment**	Design - Facility	Nuisance Impact (Light Noise Odours)	Engineering -Startec	Planned
137	3	Pg.220-221 Para.3	IPC will endeavour to mitigate operational noise impacts by: • Once the noise study has been completed as part of the detailed engineering and maximum acceptable noise levels at the identified point sources has been confirmed, IPC will be more specific about design noise levels for the specific noise generating points. Noise attenuation is not a significant technical or cost challenge for the type and size of equipment utilized in the facility configuration.	**Commitment**	Design - Facility	Nuisance Impact (Light Noise Odours)	Environmental - Alan	Planned
138	3	Sec. 5.2.4 Para.3	Numerous design measures are in place to protect permafrost. The active layer is an insulating boundary that will be left intact wherever possible. Effort will be made to place gravel for roads, pads, and piles directly on the tundra without disturbing it. The Gravel acts as an additional insulator to permafrost, with the active layer freezing up into the base of the gravel. All buildings, tanks and facilities will be placed on piles for additional barrier between heated buildings and permafrost ground.	**Commitment**	Design - Civil	Permafrost and Soil	Civil/Structural - KEBA	Planned
139	3	Sec.5.3.5 Para.1	The proposed access road will be designed and constructed considering these guidelines (the Transport Association of Canada (TAC) Guidelines for Development and Management of Transportation Infrastructure in Permafrost Regions (TAC 2010)); and lessons learned from the recent ITH construction, Borrow Source 312 and 177 roads, and numerous pads built in Tuktoyaktuk.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
140	3	Sec.5.3.5 Para.2	Most buildings, tanks and other facilities will be built on ad-freeze piles on top of insulating gravel pads to protect permafrost. Geosynthetic liners and/or geotextile may be incorporated into the gravel for additional protection where needed. Ground temperature cables were installed at four locations in the PA in March 2020. Gravel thickness on the pads and road will be sufficient to bear all loads and provide thermal stability and protection to the permafrost.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
141	3	Sec.13.3.6 Para.3	To mitigate potential impacts to permafrost, IPC will protect the natural tundra vegetation in undisturbed areas.	**Commitment**	All phases	Permafrost and Soil	Environmental - Alan	Planned
142	3	Sec.13.3.6 Para.3	To minimize changes to the ground temperature, and, as such, prevent the permafrost below the road or pad from thawing and degrading, the all-season roads and pads will be designed to do three things: • Insulate the underlying permafrost to keep the subsoil frozen, • Prevent ponding, and • Move the frozen layer upwards into the pad or road In addition, all facilities, including storage tanks, will be set on adfreeze piles on top of the insulating pads. The use of piles will help with snow removal as well as protect the permafrost.	**Commitment**	Design - Civil	Permafrost and Soil	Civil/Structural - KEBA	Planned

143	3	Sec.1.3.3	Both lump sum and time and materials type contracts will be utilized for the construction and operation of the Energy Centre, and, depending on the scope of the service to be provided, a bidding process will be employed to award work to the most qualified vendors and contractors in accordance with the IFA. The IESP is a multi generational project, so IPC expects that the awarded vendors and contractors will be long term partners to the project to build the project's success for decades to come. All contracts will need to follow the Benefits Plan and adhere to the Project Charter so local opportunities are maximized during the full project life.	**Commitment**	All phases	Procurement	Corporate - Travis	Planned
144	3	Pg.225 Para.3	Opportunities that cannot be filled in the Region will be offered to Northern companies and then Canadian companies. It is expected that 100% of the contracts let for the IESP will involve Canadian Companies, and with the exceptions of fabrication and provision of a well service rig and related equipment (neither of which are available in the Region) greater than 85% of the contracts for the IESP will be awarded to competitive local contractors.	**Commitment**	All phases	Procurement	Senior Management Team	Planned
145	3	Sec.14.2.2	The construction and operation of the IESP will maximize local employment and business opportunities. The Inuvialuit Business List and Benefits Agreement will be a focus during all procurement activities, keeping in mind cost competitiveness with outside providers for goods and services.	**Commitment**	All phases	Procurement	Senior Management Team	Planned
146	3	Sec.13.4.3.2	The Inuvialuit Business List will be used to source capable services. IPC is updating the Inuvialuit Business List (IBL) and is committed to using IBL members wherever possible. Significant contract opportunities have been identified for Inuvialuit businesses during precommissioning for activities such as wildlife and environmental monitoring, site surveys, gravel excavation and hauling, site works construction, well completion, pile driving....	**Commitment**	All phases	Procurement	Senior Management Team	Planned
147	3	Sec. 13.4.2 Para.1	The Project is critical to ensuring a secure and affordable energy supply for local communities. With reserves anticipated to last more than 100 years, the IESP will provide a reliable energy replacement to the Town of Inuvik, currently reliant on southern energy and the dwindling Ikhil gas well, which is anticipated to have between two and three years remaining based on current draw volumes. The IESP will also provide a more affordable supply of natural gas, propane and synthetic diesel to the residents of Tuktoyaktuk, which would improve access to energy and improve quality of life overall.	**Commitment**	All phases	Products	Corporate - Travis	Planned
148	3	Sec.13.4.7.2 Para.1	The facility will be operational and ship fuel products 24 hours per day, 7 days per week.	**Commitment**	All phases	Products	Transportation (move fuel products) - Travis	Planned
149	3	Sec.11.4.1	All reports required by government agencies or authorities will be submitted as soon as possible or within the timelines established by the authority, whichever is sooner. Investigations and internal reports will be completed and submitted as soon as reasonably practicable. IPC will strive to have occurrences closed within 30 days of initial notification.	**Commitment**	All phases	Reporting	Regulatory Group - Alan	Planned
150	3	Pg.122 Para.2 & 4	All truck loading connections will utilize equipment that is designed to prevent spills during product transfer and will include spill trays for small spills. Emergency Shut Down (ESD) buttons will be available at the loading area and throughout the plant to close valves or piping immediately in the event of a spill. IESP have identified the diesel/naptha tank farm and the diesel truck loading area as the only potential sources for a liquid hydrocarbon spill incident. Spill incidents during trucking will be addressed separately in our emergency response and contingency plans....The details of our final contingency plans in the event of a major liquid spill will be provided as part of our Operations Authorization application. Initial plans were provided in Appendix 5 of the EISC Project Description – IESP Emergency Response and Contingency Plans.	**Commitment**	All phases	Spills	Environmental - Alan	Planned

152	3	Pg.233-234 Table 23	Ensure proper maintenance, safety and signage is maintained on the ITH throughout the lifecycle of the project. Precommissioning activities will be based in the industrial camp area south of the main population. Use of local roads in town is expected to be occasional only.	**Commitment**	All phases	Traffic	Security - Alan	Planned
153	3	Sec.13.4.7.2 Para.1	IPC is committed to ensuring the road is used for authorized traffic only, for safety reasons. A gate will be installed at the start of the access road near the ITH intersection and monitoring the use of the road 24 hours a day, 7 days a week.	**Commitment**	All Phases	Traffic	Security - Alan	Planned
154	3	Sec.13.4.7.2 Para.1	Vehicle traffic will be limited to low speeds on the access road.	**Commitment**	All phases	Traffic	Health and Safety - Kevin	Planned
155	3	Sec.11.3.3 Para.1	All new and/or newly transferred employees and contractors will receive general and site-specific orientations which will be further followed up with applicable and specific training.	**Commitment**	All phases	Training and Capacity Building	Training and Development - Alan	Planned
156	3	Sec.11.3.3 Para.2	Training, orientation, and competency are ongoing activities where tracking of personnel progress, certification and verification of competency will be documented within a training matrix. The training matrix will be reviewed and updated on a regular basis by HSEQ supervisors and middle managers.	**Commitment**	All phases	Training and Capacity Building	Training and Development - Alan	Planned
157	3	Pg.189 Para.3	IPC on site personnel will receive ERP training specific to the site/ facility or area in which they work prior to commencing work on that site. All personnel will re-certify as required and gain experience via ERP/ICS drills and exercises to keep their knowledge, skill, and training current to be ready to respond to an emergency.	**Commitment**	All phases	Training and Capacity Building	Training and Development - Alan	Planned
158	3	Pg.213 Para.1	Numerous additional mitigation measures are provided in the extensive WWHPP for education and training of all personnel; infrastructure design; timing restrictions and set-back distances; animal attractants; management of sensory disturbances, animal-human interactions, and traffic disturbances; monitoring; adaptive management; and reporting. The WWHPP will be part of the Project's core orientation training and will be followed by all personnel, including contractors.	**Commitment**	All phases	Training and Capacity Building	Training and Development - Alan	Planned
159	3	Sec.13.4.3 Para.2	The IESP will … encourage and support training for full time jobs.	**Commitment**	All phases	Training and Capacity Building	Corporate - Travis	Planned
160	3	Sec.13.4.3.1 Para.3	Some of the employment opportunities will require several years of training. Where Inuvialuit or other residents are not yet ready to take those positions, IPC will establish a transition period to fulfill operational needs while individuals are completing their training and education.	**Commitment**	All phases	Training and Capacity Building	Corporate - Travis	Planned
161	3	Pg.166 Para.2-5	Supervisors and Lead Hands shall make sure that the affected personnel and/or stakeholders have received, reviewed, and understand the procedures. Supervisors and Lead Hands shall evaluate workers' competency and capability as it relates to the Operating Procedure. Operational procedures will consistently be digitally/electronically available to affected personnel as well as offsite personnel. In the event the scope of work or equipment changes, or a new hazard has been identified, workers and/or stakeholders shall immediately communicate the change to supervisory or lead hand staff.	**Commitment**	All phases	Training and Capacity Building	Training and Development - Alan	Planned
162	3	Sec.5.2.5	There will be a loss of approximately 15 hectares of typical tundra vegetation due to the construction of pads and the access road for a period of more than 50 years. The road and pads will be reclaimed in the future to the regulatory standard of the day. Design of the access road will use a route that runs through the common/dominant vegetation communities of the area. Approximately 50% of the 4 km road will utilize existing linear disturbance from a previous winter drilling program in 2001-02. The pads will be placed on areas of common/dominant vegetation.	**Commitment**	All phases	Vegetation	Environmental - Alan	Planned
163	3	Pg.213 Para.1	Once the project is operational, all kitchen waste will be disposed weekly to avoid attracting wildlife.	**Commitment**	All phases	Waste	Environmental - Alan	Planned

164	3	Sec.5.2.3.3 Para.1 & 2	Water samples have been taken and will be taken from the lake to establish a baseline chemistry prior to the M-18 development, and on a regular monitoring schedule thereafter... IPC will require only minor amounts of water for its Project activities.	**Commitment**	All phases	Water	Environmental - Alan	Planned
165	3	Sec.13.3.5.	There will be no water, or any other liquids discharged to the environment by this project before or during operations. Completion fluids will be stored in double-walled tanks on-site and disposed off-site in a licensed, regulated facility. Minor quantities of water will be required for the well completion. This water will be provided from Tuktoyaktuk or Inuvik by truck. No local lake or river water will be withdrawn for the project.	**Commitment**	All phases	Water	Environmental - Alan	Planned
166	3	Sec.1.2.2.2	To protect and preserve Arctic wildlife, the environment, and biological productivity.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
167	3	Pg.213 Para.1	PC will respect the nesting season of migratory birds by halting all construction from May 15 to August 15.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
168	3	Pg.213 Para.1	A fall survey for bear dens will be completed prior to any winter construction.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
169	3	Pg.213 Para.1	Fencing will be used where it is safe and appropriate to do so, to prevent curious animals from accessing equipment.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
170	3	Pg.241-242	1. The Proponent shall submit a report to the ENR and the Wildlife Management Advisory Council – Northwest Territories (WMAC-NWT) on the results of any past or future bear den surveys and revise the WWHPP to include a protocol describing how it will proceed in the event that construction activities disturb a bear potentially denning in the area. In accordance with the Wildlife Act, no work shall proceed until this has been completed.... 3. (Update management plans to) further consider bear denning and completion of site works after annual surveys are completed. 4. Ensure measures are in place to reflect the >50-year life of the project and the potential impacts to barren-ground caribou and harvesting activities and that the mitigations are adequate with regard to disturbance to caribou. IPC is committed to ensuring that the requirements and recommendations of the EISC regarding these special designated areas and species are implemented.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
171	3	Sec.13.4.10.1 Para.2	2. The Proponent shall consult and collaborate with the IGC, the THTC, the IHTC, WMAC NWT, and ENR when updating its WWHPP. Updates to the WWHPP may be warranted in response to caribou populations and their interactions with the Project.	**Commitment**	All phases	Wildlife	Environmental - Alan	Planned
151	3	Sec.5.2.8 Para.4	A trail to the small lake west of Iqalushaq Lake (used in the fall and/or winter for ice fishing) cuts west-south-west across the top of the PA but does not cross the proposed access road. The THTC expressed concern about increased access to the area and wanted to ensure security for the access road. IPC is committed to ensuring the road is used for authorized traffic only, for safety reasons. A gate will be installed at the ITH intersection and use of the road will be monitored 24 hours a day, 7 days a week. The IESP Energy Centre site will be fenced to limit site access. Live security guard(s) are anticipated to be utilized. The facility will be operational and shipping fuel products 24 hours per day 7 days per week. Security cameras will also be utilized on premise.	**Commitment**	Commissioning and Operations	Traffic	Security - Alan	Planned
172	3	Sec.1.4 Para.4	the IESP will ... displace LNG and propane which is trucked in from Southern Canada, reducing the costs that local residents and businesses must pay for energy. It will also reduce the Greenhouse gases associated with the transportation of the energy and the source of energy, since it will be natural gas based.	**Commitment**	Commissioning and Operations	Climate/GHGs	Corporate - Travis	Planned

173	3	Sec.1.4 Para.5	The Synthetic Diesel from the project will displace diesel from Southern Canada will be a natural gas equivalent in GHGs. Similar to the ~~LNG~~ CNG and propane used to displace the LNG and propane from the south, significant transportation distances are reduced using this locally produced resource.	**Commitment**	Commissioning and Operations	Climate/GHGs	Corporate - Travis	Planned
174	3	Sec.13.4.7.2 Para.1	The IESP Energy Centre site itself (but not the road) will be fenced to limit site access. Security guards from the local area are expected to be hired and available 24/7.	**Commitment**	Commissioning and Operations	Health & Safety	Security - Alan	Planned
175	3	Sec.1.3.1	The operator's authority, role, and reporting requirements will be detailed in the IPC operating policy manual, which will govern the Energy Centre and overall Inuvialuit Energy Security Project.	**Commitment**	Commissioning and Operations	Jobs and Contracts	Operations - Brent	Planned
176	3	Sec.1.3.2	IPC will form a management committee that will determine the requirements of the operator as well as the capital and operating budgets for the facility. The representation on the management committee will include industry experts as well as Inuvialuit who have knowledge of the region. The management committee will direct day-to-day activities in the field and will be the first to respond immediately if an emergency occurs. The management committee will also manage the hiring and training of direct staff at the Energy Centre and will also be responsible for training and orienting contractors that attend the site.	**Commitment**	Commissioning and Operations	Jobs and Contracts	Human Resources -Travis	Planned
~~177~~	~~3~~	~~Sec.1.5.2.1 Para.3~~	~~A production rate, that will vary throughout the year, depending on demand, will range from 57 to 170 e3m3/d of natural gas and will be used to feed the M-18 Energy Centre to produce products for the communities of Inuvik and Tuktoyaktuk.~~	~~**Commitment**~~	~~Commissioning and Operations~~	~~M-18 Well~~	~~Operations - Brent~~	~~No Longer Applicable~~
178	3	Sec.1.5.2.2 Para.1	Within this Development Plan there is no additional drilling or development contemplated for the TUK Field. The M-18 well is more than capable of delivering the yearly volumes necessary for the use of the communities for the next 50 or more years. The resource will be used as a locally sourced supply of natural gas and NGLs for the Inuvialuit communities.	**Commitment**	Commissioning and Operations	M-18 Well	Reservoir Engineer - John	Planned
~~179~~	~~3~~	~~Sec. 5.4.1.1 Design Rates~~	~~The design rate for gas production for the M-18 well will be 57 e3m3 to 170 e3m3 per day. The designed wellhead production rate includes the use of the natural gas being used for fuel, powering the liquified natural gas Energy Centre and the gas-to-liquids plants.~~ ~~The M-18 wellbore is capable of significantly greater production rates. There are currently no plans to increase the rate from what is described in this Development Plan.~~	~~**Commitment**~~	~~Commissioning and Operations~~	~~M-18 Well~~	~~Completions Engineer - Dick~~	~~No Longer Applicable~~
180	3	Sec.5.4.1.2	The expected wellhead pressure will be between 18 MPa and 20 MPa, depending on the season and Energy Centre demand flow rate. The decline wellhead pressure will be very, very gradual given the low production rates for the Project.	**Commitment**	Commissioning and Operations	M-18 Well	Reservoir Engineer - John	Planned
181	3	Sec.5.4.2.1 Para.1	Water will be at very low levels coming from the Reservoir and will simply be water of condensation, we have chosen to design to the worst case scenario of the gas being saturated with water though it is likely not.	**Commitment**	Commissioning and Operations	M-18 Well	Reservoir Engineer - John	Planned
182	3	Sec.1.5.2.8	Commissioning will include activities associated with the start-up of the facility. Commissioning activities will include preliminary activities undertaken to test the equipment, connections, etc.; and completion activities to validate construction as per design, demonstration of strength and integrity of the piping /mechanical systems and communication / function of the control systems.	**Commitment**	Commissioning and Operations	Energy Centre	Operations - Brent	Planned
183	3	Sec.1.5.2.9	Operations will involve a fully operational facility. Operational activities include natural gas treatment and natural gas liquids extraction, ~~LNG~~ CNG production, synthetic diesel production, fuel loading, waste management, and supporting infrastructure and equipment.	**Commitment**	Commissioning and Operations	Energy Centre	Operations - Brent	Planned
184	3	Sec.13.4.6 Table 23	During operations we will be about 25-30 people. If large orders of any items are anticipated, IPC and will work directly with wholesale purchasing so there is no strain on local supply.	**Commitment**	Commissioning and Operations	Procurement	EPCM - Brent	Planned

185	3	Sec.1.5.2.11	The Energy Centre will be maintained and operational until the M-18 well is no longer productive. At that point, IPC will consider its alternatives for the Energy Centre and consult with the relevant stakeholders and authorities to decide what to do with the operational plant.	**Commitment**	Decommissioning	Corporate	Corporate - Travis	Planned
186	3	Sec.1.5.2.11	Reclamation efforts will be monitored in order to confirm that reclamation activities achieve the regulatory requirements in place at the relevant time. A period of monitoring in accordance with ILA Rules will be implemented following final reclamation.	**Commitment**	Decommissioning	Environmental Mgmt	Environmental - Alan	Planned
187	3	Pg.214 Para.4	Decommissioning: Following cleanup, the decommissioning and removal of all infrastructure, and the remediation of any potential surface or sub-surface contamination, the M-18 wellsite and gas plant processing areas will be reclaimed in a manner consistent with ILA Rules and any applicable regulations. Reclamation activities may include the restoration of natural drainage and topography and revegetation which are intended, in part, to minimize erosion and sedimentation. After decommissioning, and final remediation and reclamation activities have been completed, a period of monitoring in accordance with ILA Rules will be implemented in a way that enables a successful closure of activities, including revegetation and stabilization of soils.	**Commitment**	Decommissioning	Environmental Mgmt	Environmental - Alan	Planned
188	3	Sec.1.5.2.11	The final reclamation of the site will be to the highest requirements of the day...Following cleanup, decommissioning, and removal of all infrastructure, and the remediation of any potential surface or sub-surface contamination, the M-18 wellsite and Energy Centre processing areas will be reclaimed in a manner consistent with ILA Rules and any applicable regulations.	**Commitment**	Decommissioning	Environmental Mgmt	Environmental - Alan	Planned
189	3	Sec.13.3.10	Mitigation to minimize disturbance of vegetation and the project footprint have been incorporated into the IESP design ... There will be a loss of approximately 15 hectares of tundra vegetation due to the construction of pads and the access road for a period of more than 50 years. The road and pads will be reclaimed in the future to the regulatory standard of the day.	**Commitment**	Decommissioning	Vegetation	Environmental - Alan	Planned
~~190~~	~~3~~	~~Pg.243 Para.3~~	~~The final alignment of the access road will use much of the previously disturbed alignment used to access the site in the winter of 2001 and 2002.~~	~~**Commitment**~~	~~Design - Civil~~	~~Permafrost and Soil~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
~~191~~	~~3~~	~~Sec.5.2.7 Para.3~~	~~The Project will schedule construction of the creek crossing during the winter only, to limit the risk of fish being disturbed. In addition, the area with gravel-cobble substrate will be avoided.~~	~~**Commitment**~~	~~ESW~~	~~Fish~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~192~~	~~3~~	~~Sec.5.2.1 Table 13~~	~~One area of Interest along the proposed access road route will be fully investigated prior to construction.~~	~~**Commitment**~~	~~ESW~~	~~Heritage Arky and Culture~~	~~Environmental - Alan~~	~~Implemented and Closed~~
193	3	Sec.1.5.2.4	Site (Civil) Works will involve winter construction of a four-kilometre, all-weather access road from the ITH to the wellsite and to the facility pad areas; winter construction of two gravel pads; placement of ad-freeze piles; and winter construction of a pre-fabricated bridge to cross the unnamed stream at the 2.3-kilometre post. The scope will include borrow excavation and transport on the ITH; ground preparatory work, such as laying down willows and brush, installation of temporary construction trailers, construction activities and cleanup as per Northern Land Use Guidelines for Access Roads and Trails (Indigenous and Northern Affairs Canada (INAC), 2010).	**Commitment**	ESW	Other	Civil/Structural - KEBA	Planned
194	3	Sec.5.3.1 Para.2	The depth to bedrock is probably greater than the practical depth that pile foundations would be used to support the proposed surface infrastructure. Adfreeze piles will be used for all facility structures, in part to resolve this challenge.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned

195	3	Pg.214 Para. 2 & 3	Erosion control measures to protect water bodies and the permafrost will be applied to all project phases, as follows: Pre-commissioning: Erosion and Sedimentation of water bodies will be minimized by engaging in winter construction rather than summer construction; by "laying down" or cutting of shrubs rather than blading; restricting clearing to the approved and marked route for the access road; ensuring no soil or debris piles are left within 50 metres of a waterbody; and construction of erosion and sediment control structures at the bridge site which may include silt fencing, riparian zone preservation, or slope texturing grading. Construction contractors will be required to follow INAC Northern Land Use Guidelines for Access Roads and Trails (2010), which are extensive and provide considerable detail on erosion and sediment control in permafrost environments.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
~~196~~	~~3~~	~~Sec.13.3.7 Para.1~~	~~All soils within the PA and RA will be left undisturbed to protect permafrost. Borrow will be required for the construction of roads and pads. This might typically create an impact to soil outside the RA, however, no impacts related to the development of a borrow source are anticipated because all borrow is expected to come from existing borrow sources.~~	~~**Commitment**~~	~~ESW~~	~~Permafrost and Soil~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
197	3	Sec.1.5.2.5	Fabrication of the IESP Energy Facility modules will involve the building of facility modules on transportable skids in southern Canada at an established fabrication facility. Several components must be built in the USA. The completed modules will be tested and then prepared for shipment to the north.	**Commitment**	Fabrication	Procurement	EPCM - Brent	Planned
198	3	Pg.229 Para.1	During the pre-commissioning phase of the project, the IESP will require between 40 and 96 people, depending on the phase of the project. Early site works will require approximately 40-50 people, well completion is estimated at 45 people, and personnel required for the Energy Centre assembly on-site will peak at 96 people. Incomes will range from $18/hour to more than $100/hour depending on their role.	**Commitment**	Installation and Construction	Jobs and Contracts	Human Resources -Travis	Planned
199	3	Pg.232 Table 23	Contractors working on the IESP during pre-commissioning will stay in catered camps. Groceries and other supplies will be provided by the camp.	**Commitment**	Installation and Construction	Jobs and Contracts	Human Resources -Travis	Planned
200	3	Sec.1.3.4	IPC will establish a single project management team, which will be made up of staff from IPC and contract personnel where required to ensure required expertise is always available. The project management team will be responsible for constructing and commissioning the IESP, and ultimately handing the project over to the management committee. The project management team will monitor the work status of the IESP development, reporting to IPC regularly, and keep all relevant external parties up to date on the project's development status. The project management team will follow the project principles as outlined in the Development Plan as well as the Project Charter, project contracting strategy, and the IFA.	**Commitment**	Installation and Construction	Energy Centre	Senior Management Team	Planned
201	3	Sec.1.5.2.7	Installation of modules and Energy Centre infrastructure will involve setting of Plant Modules and off-module equipment (such as tanks, SynGas Generator, Fischer-Tropsch Reactor) on pile foundations, and assembly and installation of interconnecting pipe ways and electrical systems. Plant Infrastructure such as office/control room and warehouse will also be installed.	**Commitment**	Installation and Construction	Energy Centre	Construction Contractor - BIRD	Planned
202	3	Sec.13.4.7 Para.2	All transient workers will be accommodated in camps set apart from the community.	**Commitment**	Installation and Construction	Social Impact	Human Resources -Travis	Planned
203	3	Sec.1.5.2.10	Transportation of fuels will be contracted to others to maximize local business opportunity. The activity includes trucking ~~LNG~~ CNG, propane, and synthetic diesel to commercial and residential consumers. The primary route of transport is the ITH to the communities of Tuktoyaktuk and to Inuvik, in compliance with Transportation of Dangerous Goods (TDG) Regulations. We are expecting two to four trucks per day…Synthetic diesel and propane will be trucked to Tuktoyaktuk and Inuvik in standard fuel haul truck configurations.	**Commitment**	Transport of Fuels	Jobs and Contracts	Transportation (move fuel products) - Travis	Planned

204	3	Sec.1.5.2.6	Transportation of modules will include testing and then delivering modules to a staging area in Inuvik or Tuktoyaktuk via the Dempster Highway or via Barge from Hay River, NT. Transportation logistics will involve the appropriate authorities for highway, barge, or rail use. Final delivery from the staging area(s) to the project site will occur via truck along the ITH from Inuvik or Tuktoyaktuk.	**Commitment**	Transport to Arctic	Traffic	Logistics (move equipment north) - Brent	Planned
205	3	Sec.4.3.3	The M-18 well will be produced, and production rates and pressures will be monitored and used to determine the effects of drainage on the field.	**Commitment**	Well Workover	M-18 Well	Reservoir Engineer - John	Planned
206	3	Sec.1.5.2.2&1.5.2.3 Para.2	IPC's well completion will include nine steps: 1. Extend the wellhead to adjust for additional fill around the pad. 2. Install blowout prevention equipment. 3. Drill out existing cement and plugs. 4. Circulate the well to remove debris. 5. Install production tubing and sub-surface safety valve (SSSV). 6. Insulate gas production from the permafrost. 7. Install connections for the SSSV control line. 8. Re-install the wellhead. 9. Secure the well for future tie-in with the Energy Centre.	**Commitment**	Well Workover	M-18 Well	Completions Engineer - Dick	Planned
207	3	Sec.5.4.2.4	If sand is seen in the inlet or test separators, sand jetting and removal equipment will be installed.	**Commitment**	Well Workover	M-18 Well	Completions Engineer - Dick	Planned
208	3	Sec.4.4.2	All surface data collected will be used to update the reservoir engineering that has been used to apply for this development application. This pressure data will be used as a reservoir management tool to refine the determination of the ultimate resource potential of the reservoir and as the initial pressure to continuously monitor the pressures during the life of production of the well.	**Commitment**	Well Workover	M-18 Well	Reservoir Engineer - John	Planned
107	3	Sec.11.2.1	The HSEQ Policy will include IPC's commitments to protecting the health and safety of everyone who has a part in the IESP, lives in the communities in which it operates, or uses the products we produce. To meet its commitment, IPC intend to: • demonstrate visible and active leadership that engages employees and service providers in managing HSEQ performance as a line responsibility with clear authorities and accountabilities	**Commitment**	All Phases	Corporate	Corporate - Travis	Planned
~~209~~	~~4~~	~~Pg.2 Para.5~~	~~As per OGOA, the OA application will provide detailed plans for Safety, Quality, Environmental Protection, and our Integrated HSEQ Management System.~~	~~**Commitment**~~	~~All phases~~	~~Health & Safety~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~210~~	~~4~~	~~Pg.2 Para.4~~	~~The IESP has received a waiver from the NWT for a Benefits Plan as the project is located on Inuvialuit Private Lands and will adhere to the Inuvialuit Final Agreement.~~	~~**Commitment**~~	~~All phases~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
	8		**Refer to Conditions Worksheet**					
234	10	Sec.2.5	Reference i) states that primary accommodations and dining for non-resident personnel during pre-commissioning,commissioning,and de-commissioning will be in one of the several basecamps or barge camps located nearby in Tuktoyaktuk, and that there will be no long-term or permanent camps at the Project site.	**Commitment**	All Phases	Jobs and Contracts	Human Resources -Travis	Planned
	13		**Refer to Conditions Worksheet**					
258	14	Pg.8	...the revised project schedule in the IESP Application for Authorization for Installation and Operation of the IESP Energy Centre will be followed.	**Commitment**	All Phases	Corporate	Senior Management Team	Planned
~~259~~	~~14~~	~~Sec.1.12 Table 1~~	~~As above, the map of local drainage will be provided following completion of engineering design and no later than 90 days prior to commencement of activity.~~	~~**Commitment**~~	~~All Phases~~	~~Drainage~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
260	14	Sec.1.12 Table 1 Item 11	As addressed in Appendix 4 (and Appendices 4 and 5 of the Energy Centre OA application), the final location of the spill response equipment will be confirmed no later than 90 days prior to commencement of activity.	**Commitment**	Commissioning and Operations	Emergency Mgmt	Senior Management Team	Planned
~~261~~	~~14~~	~~Pg. 41 Appendix 3~~	~~We recommend that you notify this office at least 10 days before starting your project and that a copy of this letter be kept on site while the work is in progress.~~	~~**Request**~~	~~All Phases~~	~~Fish~~	~~Environmental - Alan~~	~~Implemented and Closed~~

262	14	Pg.17 Table 1.1	Implemented and Active: sump monitoring has included and will continue to include sub-surface ground temperature, visual inspections, surveys for settlement, and water sampling.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
263	14	Sec.1.4.c	Canadian Trucking standards will apply.	**Commitment**	All phases	Traffic	Transportation (move fuel products) - Travis	Planned
264	14	Pg.10	The access road bridge is a component of a private road that will have restricted access and will be low-speed, single-lane, radio-controlled with pullouts for opposing traffic.	**Commitment**	All phases	Traffic	Health and Safety - Kevin	Planned
265	14	Pg.10	The load restrictions on the IESP Access Road and bridge will be the same as the ITH as described in the response to IR 1.7.	**Commitment**	All phases	Traffic	Health and Safety - Kevin	Planned
266	14	Sec.1.7.c	The tandem ~~or tridem~~ tractor and tandem ~~tridem~~ trailer used for transporting ~~LNG~~ CNG, propane or diesel meet the truck wheel configurations and will be less than the maximum loading for the designated design vehicle allowed on the NWT highway network.	**Commitment**	All phases	Traffic	Health and Safety - Kevin	Planned
267	14	Sec.1.7.e	As stated in Response 1.7(b) there will be load restrictions on the access road that will correspond to the same restrictions that are imposed on the Inuvik-Tuktoyaktuk Highway (the main arterial) during spring loading restrictions.	**Commitment**	All phases	Traffic	Health and Safety - Kevin	Planned
268	14	Sec.1.7.d	IESPL can confirm the availability of granular material for the IESP from three regional borrow sources. The use of borrow source will depend on the type (quality) and quantity of material required	**Commitment**	ESW	Borrow	EPCM - Brent	Planned
269	14	Sec.1.7.e	The 600 mm is the top layer of the total road structure that is also comprised of a minimum of 800 mm of embankment that will be constructed using granular material from Borrow Source 177.	**Commitment**	ESW	Borrow	EPCM - Brent	Planned
~~270~~	~~14~~	~~Sec.1.5(c)~~	~~IESPL is now working on the assumption that it will begin Early Site Works in late 2023.~~	~~**Commitment**~~	~~ESW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~
~~271~~	~~14~~	~~Sec.1.8~~	~~The detailed drainage plans referred to in the IESP Environmental Protection Plan are shown on the IESP Roads Specifications and Drawings and the Kiggiak EBA Hydrotechnical Assessment listed below and will be filed to REGDOCS as requested.~~	~~**Commitment**~~	~~ESW~~	~~Drainage~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
272	14	Sec.1.8	Where there are concentrated flows that could erode the natural substrate, then riprap or other material will be placed.	**Commitment**	ESW	Drainage	Civil/Structural - KEBA	Planned
~~273~~	~~14~~	~~Pg.18 Table 1.12~~	~~As above, the map of local drainage will be provided following completion of engineering design and no later than 90 days prior to commencement of activity.~~	~~**Commitment**~~	~~ESW~~	~~Drainage~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
274	14	Pg.17 Table 1.11	…the final location of the spill response equipment will be confirmed no later than 90 days prior to commencement of activity. Locations will vary depending on the project phase and activity.	**Commitment**	Commissioning and Operations	Emergency Mgmt	Senior Management Team	Planned
275	14	Sec.1.15	Where the On-site Construction Manager or a Contractor Supervisor identifies an unsafe act, they will: Immediately stop the unsafe act and workers that are affected in the immediate vicinity. Report this as a near miss using the accident reporting requirements, where their experience requires this to be identified. Provide an explanation, teaching or enforcement for the hazard or risk created.	**Commitment**	ESW	Health & Safety	Health and Safety - Kevin	Planned
~~276~~	~~14~~	~~Sec.1.4.a~~	~~It is anticipated that the workforce during the ESW Phase of the project will average fifty (50) workers and is expected to peak during piling activity to approximately 60 workers for 3 weeks.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
~~277~~	~~14~~	~~Sec.1.4.a~~	~~It is expected that most of the workers will be Inuvialuit and local residents.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
~~278~~	~~14~~	~~Sec.1.4.a~~	~~We expect that less than 6 personnel will not be Inuvialuit nor local and will require camp accommodation in Tuktoyaktuk.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~No Longer Applicable~~
~~279~~	~~14~~	~~Sec.1.4.b~~	~~The ESW Phase of the project will provide an estimated 50 local jobs and contribute nearly $10 million to the local economy.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
~~280~~	~~14~~	~~Sec.1.4.b~~	~~Workers from outside the region will use the camps that are already present and will be required to adhere to Camp Rules.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
281	14	Sec.1.4.b	Local contractors will be doing the work with Supervision from IESPL and will be required to adhere to IESPL policies and core values including responsible stewardship, social responsibility, and positive working culture.	**Commitment**	ESW	Jobs and Contracts	Human Resources -Travis	Planned
282	14	Sec.1.4.c	Project personnel residing at the camp will comply with the procedures of the camp contractor and operators.	**Commitment**	ESW	Jobs and Contracts	Human Resources -Travis	Planned

~~283~~	~~14~~	~~Sec.1.4.a~~	~~It is anticipated that the workforce during the ESW Phase of the project will average fifty (50) workers and is expected to peak during piling activity to approximately 60 workers for 3 weeks.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
284	14	Sec.1.4.a	The duration of stay for non-local workers is expected to be intermittent from early October to late December (less than 12 weeks) and from early March to mid-April. (6-7 weeks).	**Commitment**	ESW	Jobs and Contracts	Human Resources -Travis	Planned
285	14	Sec.1.5.a	The new well pad will be built on undisturbed ground north of the wellhead for the purpose of the well workover and future well servicing.	**Commitment**	ESW	M-18 Well	Civil/Structural - KEBA	Planned
286	14	Pg.6 Para.8	Access Trail-The trail is not usable except in winter and will remain closed until culverts are installed and the all-weather road is built.	**Commitment**	ESW	Permafrost and Soil	Corporate - Travis	Planned
~~287~~	~~14~~	~~Sec.1.6~~	~~All geotechnical assessments and reports obtained for the IESP will be filed to REGDOCS as requested.~~	~~**Commitment**~~	~~ESW~~	~~Reporting~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~288~~	~~14~~	~~Pg.19~~	~~The scope of the ESW is limited - i.e., upgrades to an existing access trail. This work will reduce any existing risk associated with the temporary access trail currently in place.~~	~~**Commitment**~~	~~ESW~~	~~Traffic~~	~~Environmental - Alan~~	~~Implemented and Closed~~
303	16	Sec.2.13	The Director, HSSEQ will be responsible to ensure all Contractors review and sign off on the EPP and accompanying Management Plans, and the applicable guidelines prior to starting the Project.	**Commitment**	All Phases	Jobs and Contracts	Senior Management Team	Planned
304	16	Sec.2.4.a	These Plans will comprise part of the contractual obligations for the IESPL Contractors during ESW and Well Workover (WW) and currently contain all environmental procedures related to ESW and WW.	**Commitment**	All Phases	Jobs and Contracts	Senior Management Team	Planned
~~305~~	~~16~~	~~Sec.2.4.c~~	~~All Environmental Monitoring Procedures will be documented and maintained in the IESP IMS as Procedures – separate from the Plans or Forms.~~	~~**Commitment**~~	~~All phases~~	~~Monitoring~~	~~IMS - Alan~~	~~Implemented and Closed~~
306	16	Sec.2.8.b	As per our ISO-based IMS, they will be regularly reviewed and maintained through our Quality Management Processes.	**Commitment**	All phases	Monitoring	IMS - Alan	Planned
307	16	Sec.2.8.b	They will be stand-alone documents available to the CER prior to commencement of the relevant phase to which they apply.	**Commitment**	All phases	Monitoring	IMS - Alan	Planned
308	16	Sec.2.10	Records of all monitoring will be organized by date and kept in the IESP IMS Records and Reports SharePoint file.	**Commitment**	All phases	Monitoring	IMS - Alan	Planned
309	16	Sec.2.10	The Director, HSEQ will review the reports against 2021 baseline sampling on a regular basis, as results are provided.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
310	16	Sec.2.17	At least annually, or following an Environmental Incident, IESPL will review monitoring results and mitigation outcomes and allow for discussions of adaptive management actions related to the Project.	**Commitment**	All phases	Monitoring	Senior Management Team	Planned
311	16	Sec.2.17	The outcomes of the review will be used to identify where mitigation or reclamation measures are not adequate and to identify additional mitigative, monitoring or reclamation measures to be applied.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
312	16	Sec.2.20	A program, based upon the GNWT AAQG and the Dust Suppression Guideline, will be in place prior to that date. (May 2024)	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
313	16	Sec.2.22	It is planned that these roles and responsibilities will be clearly defined following project regulatory approvals when IESPL has a “green light” to begin hiring more people.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
314	16	Sec.2.29	The IESP Access Road will be monitored by performing regular visual inspections (...)	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
315	16	Sec.2.29	Ground temperatures will be monitored using in-ground temperature sensors near or under critical infrastructure to provide an early sign of changes in the thermal regime of the permafrost.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
316	16	Sec.2.3.b	Spills will be reported to two agencies, namely, the CER and the NT-NU 24Hour Spill Report Line	**Commitment**	All Phases	Spills	Regulatory Group - Alan	Planned
317	16	Sec.2.40.a	The bridge will be located at KM 2.3 as shown on IESP Access Road Drawing List C22130-6.	**Commitment**	All phases	Traffic	EPCM - Brent	Planned
318	16	Sec.2.13	During Well Workover, Installation and Operation of the Energy Facility the Director, HSSEQ or the Onsite Environmental Manager will lead the training.	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
319	16	Sec.2.13	The Director, HSSEQ or the Onsite Environmental Manager will ensure Contractors know how to properly install any protection measure and understand BMPs used on the Project.	**Commitment**	All Phases	Training and Capacity Building	Completions Engineer - Dick	Planned

~~320~~	~~16~~	~~Sec.2.27~~	~~Section 5.2 Training Opportunities (PDF Page 134) will be updated to read: "The Contractor and its Supervisors are responsible for providing adequate ESC and permafrost protection training to all onsite employees.~~	~~**Commitment**~~	~~All Phases~~	~~Training and Capacity Building~~	~~Training and Development - Alan~~	~~Implemented and Closed~~
321	16	Sec.2.27	Permafrost protection training will include orientating workers to observe and visually monitor and document ground surface deformations and surface water conditions around them during construction and operations (…)	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
322	16	Sec.2.27	Training will also include ground temperature data collection and monitoring ground temperature instrumentation that has been installed on-site to date and further ground temperature instrumentation that will be installed during the construction of the single-span bridge, infrastructure pad and Energy Facility."	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
323	16	Sec.2.34.b	Adfreeze piles will be used to support elements of the Energy Facility including elevated storage tanks, pipe racks and associated equipment.	**Commitment**	Design - Facility	Permafrost and Soil	Civil/Structural - KEBA	Planned
~~324~~	~~16~~	~~Sec.2.36.d~~	~~A current site plan and list of structures is in progress and will be available approximately May 2023.~~	~~**Commitment**~~	~~Design - Facility~~	~~Permafrost and Soil~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
~~325~~	~~16~~	~~Sec.2.37.a~~	~~Granular materials for the IESP will be sourced from existing Borrow Sources along the ITH.~~	~~**Commitment**~~	~~ESW~~	~~Borrow~~	~~EPCM - Brent~~	~~Implemented and Closed~~
~~326~~	~~16~~	~~Sec.2.37.a~~	~~The preferred higher quality source for borrow for the IESP is Borrow Source 312, however materials will also be used from Source 177~~	~~**Commitment**~~	~~ESW~~	~~Borrow~~	~~EPCM - Brent~~	~~Implemented and Closed~~
~~327~~	~~16~~	~~Sec.2.37.a~~	~~The access road embankment materials will be sourced from Borrow Sources 177 and 312.~~	~~**Commitment**~~	~~ESW~~	~~Borrow~~	~~EPCM - Brent~~	~~Implemented and Closed~~
~~328~~	~~16~~	~~Sec.2.37.a~~	~~Borrow Source 177 material was used to cap the M-18 Sump and will be used to construct the subbase for the Access Road and to construct the subbase for parts of the infrastructure pad that will be used for laydown areas and where above grade tanks will be supported on adfreeze piles.~~	~~**Commitment**~~	~~ESW~~	~~Borrow~~	~~EPCM - Brent~~	~~Implemented and Closed~~
329	16	Sec.2.37.a	Borrow Source 312 material will be used to construct parts of the pad that will have thermosyphons installed for supporting at grade equipment and will be used for surfacing the access road and infrastructure pad.	**Commitment**	ESW	Borrow	EPCM - Brent	Planned
330	16	Sec.2.17	Adaptive management will be implemented throughout the project life, which includes local consultation with community organizations and regulators.	**Commitment**	ESW	Community	Community Relations - Verna	Planned
331	16	Sec.2.35.a	The 800mm diameter cross drainage culverts will be used to improve cross-drainage conditions.	**Commitment**	ESW	Drainage	Civil/Structural - KEBA	Planned
332	16	Sec.2.35.b	Culverts will be located in low spots to facilitate the overland flow of water from the upgradient (high) side of the road to the low side of the road based on the detailed topographic survey completed along the alignment by Inukshuk Geomatics in 2018.	**Commitment**	ESW	Drainage	Civil/Structural - KEBA	Planned
333	16	Sec.2.36.a	The infrastructure pad will be designed to prevent water ponding adjacent to the pad and near IESP equipment.	**Commitment**	ESW	Drainage	Civil/Structural - KEBA	Planned
334	16	Sec.2.16	The Emergency Contacts List will be updated as part of the FFHPP, as necessary.	**Commitment**	ESW	Emergency Mgmt	Environmental - Alan	Planned
335	16	Sec.2.6	IESPL will follow the more stringent of the two requirements and maintain 100m as our standard for all deleterious substances, storage and equipment.	**Commitment**	ESW	Fish	Environmental - Alan	Planned
336	16	Sec.2.29	Ground temperature cables will be installed at the bridge crossing to monitor the ground temperature of the permafrost.	**Commitment**	ESW	Monitoring	Geotechnical - KEBA	Planned
337	16	Sec.2.34.e	Ground temperature cables will be installed to monitor and assess when intervention to stabilize piles might be implemented in the future.	**Commitment**	ESW	Monitoring	Geotechnical - KEBA	Planned
338	16	Sec.2.34.d	Adfreeze steel pipe piles will be used for the single-span bridge at KM 2.3 along the IESP Access Road.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
339	16	Sec.2.34.d	The infrastructure pad where most of the equipment will be placed will use the proven technique of adding structural fill on top of the existing undisturbed ground.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned

340	16	Sec.2.34.d	Adfreeze piles will be used in some locations of the infrastructure pad where required.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
341	16	Sec.2.34.d	The elevated pad will be graded in such a way to protect the permafrost by ensuring that there are no accumulations of surface water where the plant is located.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
342	16	Sec.2.36.a	Adfreeze steel pipe piles will be used for the single-span bridge at KM 2.3.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
343	16	Sec.2.36.b	The infrastructure pad and Energy Facility will use both deep (pile) and shallow foundations.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
344	16	Sec.2.36.e	Adfreeze steel pipe piles will be used for the single-span bridge at Km 2.3 along the IESP Access Road.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
345	16	Sec.2.36.e	IESPL will follow proper engineering for foundations that will be approved by NAPEG certified engineers.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
346	16	Sec.2.39.b.b.7	IESPL will follow the IESP Permafrost Protection Management Plan (PPMP) that has been prepared for the project.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
347	16	Sec.2.39.b.b.7	Some activities will be undertaken in the winter to reduce impact to permafrost, such as installing adfreeze piles for the bridge along the access road and installing adfreeze piles in winter where this is no granular pad to work from.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
348	16	Sec.2.40.b	The single-span bridge will consist of two steel plate girders (I-shape) with transverse timber crossties and two layers of longitudinal timber deck planks.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
349	16	Sec.2.40.c.3	Each bridge abutment will consist of a steel pile cap, supported by steel adfreeze pipe piles.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
350	16	Sec.2.40.c.3	The backwall of the abutment will use steel sheet piles and the bridge end fill behind the abutments will be free draining granular material.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
351	16	Sec.2.40.c.4	It is anticipated that during the bridge's service life, that timber components will need to be replaced one or two times.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
352	16	Sec.2.40.c.4	The steel plate girders, and steel pile caps will be made of corrosion-resistant steel (weathering steel) to improve the long-term performance.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
353	16	Sec.2.40.c.4	The backwall of the abutment will use thicker steel components to provide allowance for corrosion deterioration.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
354	16	Sec.2.4.c	As per our ISO-based IMS, they will be regularly reviewed and maintained through our Quality Management Processes.	**Commitment**	ESW	Reporting	Regulatory Group - Alan	Planned
386	18	Sec.3.1 Para.2	All elements of the IMS will be reviewed, tested and functional 4 weeks prior to initiation of the work scope. The IMS is a "living" system that will be regularly audited and reviewed.	**Commitment**	All Phases	IMS - Sharepoint	IMS - Alan	Planned
387	18	Sec.3.1 Para.4	We will CHECK on the effectiveness of our implementation through regular reporting, monitoring, audits, and management review.	**Commitment**	All Phases	IMS - Sharepoint	Quality - Nyssa	Planned
388	18	Sec.3.1 Para.4	Finally, we will ACT on the results of our checking using a standardized management of change process and an adaptive approach to continual improvement to reflect changing site conditions, activity levels, lessons learned and/or corrective actions.	**Commitment**	All Phases	IMS - Sharepoint	Quality - Nyssa	Planned
389	18	Sec.3.2.2 Para.13	Annual measurements will be collected at the same time of year, each year at the warmest and coldest ground temperatures (September and May).	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
~~390~~	~~18~~	~~Sec.1.6~~	~~OA applications for the remaining tasks (well workover, and installation, commissioning, and operation of the IESP Energy Centre) as well as the Well Approval (Application for Authorization to Alter the Condition of a Well) will be submitted **at a later date.**~~	~~**Commitment**~~	~~All Phases~~	~~Other~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
391	18	Sec.3.1	The IESPL Integrated Management System will coordinate the following five programs: Integrity Management Program to ensure the facility continually operates within its design parameters **(not applicable to this phase – to be provided with the Energy Facility Commissioning and Operations phase OA application).**	**Commitment**	All Phases	Energy Centre	Operations - Brent	Planned

392	18	Pg.7 Para.1	Civil activities not included in this OA that will be addressed in a future OA include the construction of the Well Pad (this activity involves the extension of the sump cap and preparation of the cellar and extension of the wellhead "Christmas Tree" – to be addressed in the Well Workover application), as well as installation of mechanical refrigeration piping and installation of thermosiphons at the Energy Centre Pad (to be addressed in Energy Centre application).	**Commitment**	All Phases	Permafrost and Soil	Completions Engineer - Dick	Planned
393	18	Sec.3.2.2 Para.11	Re-fueling of equipment will occur off-site. If re-fueling is necessary on-site, a fuel truck will be used and safe loading procedures will be followed to ensure grounding and spill capture.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
394	18	Sec.3.2.2 Para.10	Concerning safety, the bridge is a component of a private road that will have restricted access. The road and bridge will be single lane, radio controlled with pullouts for opposing traffic. The Load restrictions on the IESP Access Road and bridge will be the same as the ITH. The bridge loading will handle a CL-800 classification.	**Commitment**	All phases	Traffic	Civil/Structural - KEBA	Planned
395	18	Sec.3.5.2 Para.1	The road, bridge and pads will be left intact and made ready for the next phase of the project.	**Commitment**	All phases	Traffic	Civil/Structural - KEBA	Planned
396	18	Sec.2.10	IESPL will ensure that: The related operating procedures and site-specific procedures are appropriate.	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
397	18	Sec.2.10	Supervisory personnel will have, as a minimum, current WHMIS, Incident Command System (ICS) Training and Wilderness First Aid.	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
398	18	Sec.3.1 Para.5	IESPL will ensure various IESP plans and procedures are operating effectively through assessment and monitoring of contractor training and orientations, competency, adequate levels of supervision, communications, documentation, reporting, and management of change.	**Commitment**	All Phases	Jobs and Contracts	Senior Management Team	Planned
399	18	Sec.3.2.2 Para.11	All fuel truck operators will be trained in proper procedures and spill response, cleanup, and reporting.	**Commitment**	All Phases	Training and Capacity Building	Training and Development - Alan	Planned
400	18	Sec.3.5.2 Para.1	All wastes will be managed and disposed of off-site at licensed waste facilities according to waste type, and Federal, Provincial or NWT regulations.	**Commitment**	All Phases	Waste	Environmental - Alan	Planned
~~401~~	~~18~~	~~Sec.2.5 Para.3~~	~~The IESP does not require a permit or licence from the Inuvialuit Water Board (IWB). The project will use less than 100 m^3/day of direct water, which will be sourced by truck from Tuktoyaktuk if and when needed.~~	~~**Commitment**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
420	18	Sec.3.1	The IESPL Integrated Management System will coordinate the following five programs: Safety Management Program to protect workers and the public from occupational and process hazards (provided in Appendix 2).	**Commitment**	All Phases	IMS - Sharepoint	IMS - Alan	In Progress
402	18	Sec.3.1 Para.3	The accountability framework will be driven by the scheduling, calendaring and automated email notification functions in SharePoint and Exchange/Outlook.	**Commitment**	Commissioning and Operations	IMS - Sharepoint	IMS - Alan	Planned
421	18	Sec.3.1	The IESPL Integrated Management System will coordinate the following five programs: Security Management Program to protect people, property and the environment from malicious damage **(to be provided with the Energy Facility Commissioning and Operations phase OA application).**	**Commitment**	Commissioning and Operations	IMS - Sharepoint	IMS - Alan	In Progress
403	18	Sec.3.5.1	As described in the IESP Development Plan, the philosophy that will be used to guide closure planning is taken from the CCME National Guidelines for Decommissioning Industrial Sites (1991). These objectives provide minimum guidance and **will be modified** to the extent necessary to comply with the IFA and the ILA Rules.	**Commitment**	Decommissioning	Environmental Mgmt	Environmental - Alan	Planned
404	18	Sec.3.5.3 Para.4	After decommissioning and final remediation and reclamation activities have been completed, a period of monitoring in accordance with ILA Rules will be implemented in a way that confirms the success of closure activities.	**Commitment**	Decommissioning	Monitoring	Environmental - Alan	Planned
405	18	Sec.3.5.3 Para.5	If guidelines are not met, ongoing monitoring will be required in the affected area. Details of the monitoring programs will be presented to the ILA for approval one year before the closure of the site.	**Commitment**	Decommissioning	Monitoring	Environmental - Alan	Planned

406	18	Sec.3.5.3 Para.1	(...) unless a method for removing gravel without disrupting drainage, fisheries, and permafrost is discovered by the time the M-18 Project is decommissioned, it is anticipated that gravel will remain in situ following decommissioning.	**Commitment**	Decommissioning	Permafrost and Soil	Environmental - Alan	Planned
407	18	Sec.3.5.3 Para.3	The prefabricated bridge that will be placed over the creek at KM2.3 of the access road will be removed during final decommissioning.	**Commitment**	Decommissioning	Traffic	Environmental - Alan	Planned
~~408~~	~~18~~	~~Sec.2.4~~	~~IESPL will apply for a Right to Access Land from the Inuvialuit Land Administration (ILA) for a Land Use Permit to cover the activities of the ESW scope of work 3 months before the commencement of work.~~	~~**Commitment**~~	~~ESW~~	~~Community~~	~~Community Relations - Verna~~	~~Implemented and Closed~~
409	18	Sec.2.7 Para.4	IESPL have continued and will continue engagement throughout the planning, construction, commissioning, operations, and decommissioning phases of the IESP.	**Commitment**	ESW	Community	Community Relations - Verna	Planned
410	18	Pg.17 Sec.2.9	IESPL will provide the required financial securities as the project progresses through its various operational phases.	**Commitment**	ESW	Corporate	Corporate - Travis	Planned
~~411~~	~~18~~	~~Sec.3.2.3~~	~~For the purposes of the Inuvialuit Energy Security Project, Inuvialuit Energy Security Project Ltd. (IESPL), has appointed Travis Balaski, P.Eng. as the Accountable Officer.~~	~~**Commitment**~~	~~ESW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~
412	18	Sec.3.5.2 Para.2	Drainage will be managed to prevent ponding and protect the road, bridge, pads, and permafrost.	**Commitment**	ESW	Drainage	Civil/Structural - KEBA	Planned
413	18	Sec.3.1	The IESPL Integrated Management System will coordinate the following five programs: Emergency Management Program to ensure appropriate emergency preparedness and response (provided in Appendix 4).	**Commitment**	ESW	Emergency Mgmt	Senior Management Team	In Progress
414	18	Sec.3.2.2 Para.4	IESPL shall be reviewing, tasking, meeting objectives, verifying legal compliance, and contractor hazard and risk management and incident accident tracking and management.	**Commitment**	ESW	Emergency Mgmt	Senior Management Team	In Progress
415	18	Sec.3.1 Para.1	The IESPL Integrated Management System will coordinate the following five programs: Environmental Protection Program to avoid or reduce adverse effects on the environment (provided in Appendix 3).	**Commitment**	ESW	Environmental Mgmt	Environmental - Alan	In Progress
416	18	Sec.3.2	As per the NWT Safety Act, IESPL shall be acting as Principal Contractor during the ESW phase of the IESP. As such, our safety programs, plans and procedures will be included in contracts, and therefore part of IESPL contractor management processes within our IMS.	**Commitment**	ESW	Health & Safety	Health and Safety - Kevin	In Progress
417	18	Sec.3.2.2 Para.5	IESPL shall also be continually observing compliance for both contract and employee health and safety, by providing a representative from IESPL (the On-site Manager) to oversee the ESW operations.	**Commitment**	ESW	Health & Safety	Health and Safety - Kevin	In Progress
418	18	Sec.3.2.2 Para.12	IESPL will inspect and approve equipment to ensure proposed equipment is operable, safe to operate and free of hydraulic leaks or other problems that could impact people or the environment. (e.g., out of spec emissions, leaks, or excessive noise).	**Commitment**	ESW	Health & Safety	Health and Safety - Kevin	In Progress
~~419~~	~~18~~	~~Sec.3.2.3~~	~~Responsibility for the implementation of the Safety Plan during ESW will fall to the On-site Manager. The name and contact information for the On-site Manager will be provided 6 weeks prior to commencement of ESW work.~~	~~**Commitment**~~	~~ESW~~	~~Health & Safety~~	~~Senior Management Team~~	~~Implemented and Closed~~
~~422~~	~~18~~	~~Sec.1.3 Para.2~~	~~It is anticipated that two local Inuvialuit businesses will meet the requirements of IESPL and be contracted by IESPL to complete scopes of work within the ESW activity.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~Implemented and Closed~~
423	18	Sec.1.3 Para.2	Tundra Drilling of Inuvik, NT, another local business with decades of western arctic experience, will likely be contracted for the installation of the adfreeze piles.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
424	18	Sec.1.3 Para.3	During ESW, IESPL will provide our Safety Plan, Environmental Protection Plan, and Emergency Response Plan to our contractors.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
425	18	Sec.1.3 Para.3	IESPL will ensure that the various operations and activities of contractors and sub-contractors will meet or exceed the safety, environmental and contingency requirements of the regulators and IESPL, including necessary training or certification.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress

426	18	Sec.1.3 Para.4	Quality Control of the ESW scope of work will be contracted to and supervised by Kiggiak EBA Consulting Ltd. (Kiggiak-EBA), an Inuvialuit majority-owned joint venture with Tetra Tech Canada Inc. (Tetra Tech).	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
427	18	Sec.2.10	IESPL will ensure that: The personnel who are to be employed in connection with the 2022-23 ESW scope of work are qualified and competent for the task required of them.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
428	18	Sec.2.10	IESPL will ensure that: IESPL staff and contractors engaged in the supervision of this work will have suitable experience.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
429	18	Sec.3.1 Para.5	IESPL will ensure that all its contractors are aware of the ESW scope of work, activities and associated hazards, and that they agree to abide by all IESPL environmental, safety and emergency management systems and plans specific to the work.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
430	18	Sec.3.1 Para.5	IESPL will pre-qualify all contractors and sub-contractors to ensure systems and processes are in place to comply with the IESPL Management Plans.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
431	18	Sec.3.1 Para.5	IESPL will retain the right of approval over all personnel, contractors, and sub-contractors on site and for their removal and replacement if necessary.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
432	18	Sec.3.2	IESPL will require our contractors to follow our procedures or provide procedures that meet or exceed ours.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
433	18	Sec.3.2.2 Para.3	The ESW Phase of the IESP will be contracted by IESPL.	**Commitment**	ESW	Jobs and Contracts	Corporate - Travis	In Progress
434	18	Sec.3.2.3	The On-site Manager will report to both the Director, Environment, Regulatory and IMS and the Director, Engineering, both of whom report to the President.	**Commitment**	ESW	Jobs and Contracts	Senior Management Team	In Progress
~~435~~	~~18~~	~~Sec.3.2.3~~	~~All onsite personnel and contractors will report to the On-site Manager.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Human Resources -Travis~~	~~No Longer Applicable~~
436	18	Sec.3.2.2 Para.13	One multi-bead ground temperature cable will be installed in each row of abutment piles (one cable for each abutment).	**Commitment**	ESW	Monitoring	Geotechnical - KEBA	Planned
437	18	Sec.3.2.2 Para.13	Survey points will be established on pile caps and referenced to an appropriate control.	**Commitment**	ESW	Monitoring	Geotechnical - KEBA	Planned
438	18	Sec.3.2.2 Para.1	ESW involves the construction of gravel roads and pads, the installation of a prefabricated timber bridge and the installation of adfreeze piles. Equipment will include dump trucks, graders, loaders, dozers, excavators and other equipment as per typical civil (early site works) operations.	**Commitment**	ESW	Other	EPCM - Brent	Planned
439	18	Sec.2.10	IESPL will ensure that: The equipment that is to be used in the ESW activities will be fit for the purposes for the work it is to be used.	**Commitment**	ESW	Other	EPCM - Brent	In Progress
440	18	Sec.3.2.2 Para.6	The piles will be an adfreeze design, which consists of installing a steel pile in an oversized hole drilled into permafrost and backfilling the annulus between the soil and pile with a soil/water slurry.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
441	18	Sec.3.2.2 Para.10	As mentioned, the bridge structure will be supported on adfreeze steel pipe piles. A current conceptual design of the bridge is provided in Figure 6.	**Commitment**	ESW	Permafrost and Soil	Civil/Structural - KEBA	Planned
442	18	Sec.3.2.2 Para.6	The piling operation will begin in the winter of Q4 2022/Q1 2023, and the piling equipment will travel on the ITH and newly constructed access road to access the site.	**Commitment**	ESW	Traffic	Piling Contractor - Tundra	Planned
~~443~~	~~18~~	~~Sec.3.3~~	~~All Procedures relevant to the ESW Scopes of Work will be completed and available for training and use 4 weeks prior to the commencement of work.~~	~~**Commitment**~~	~~ESW~~	~~Training and Capacity Building~~	~~Training and Development - Alan~~	~~Implemented and Closed~~
444	18	Sec.3.5.2 Para.1	Following completion of the ESW Phase of the IESP, all equipment, tanks, waste, and infrastructure associated with ESW activities will be removed from the site.	**Commitment**	ESW	Waste	Environmental - Alan	Planned
445	18	Sec.3.5.2 Para.2	All debris will be cleaned up and removed. There will be no waste, landfills or contamination left on the site. If there is any contamination resulting from ESW activity, the contamination will be immediately dealt with, using best efforts as soon as it is reasonable and safe to do so.	**Commitment**	ESW	Waste	Environmental - Alan	Planned
~~446~~	~~18~~	~~Sec.2.5 Para.3~~	~~The stream crossing will be constructed during the winter while the creek is completely frozen so it will not require temporary cofferdams or diversions.~~	~~**Commitment**~~	~~ESW~~	~~Water~~	~~Environmental - Alan~~	~~Implemented and Closed~~

447	18	Sec.1.2	The purpose of the Early Site Works (ESW) phase of the IESP is to construct the necessary civil foundations for future phases of the IESP, except for the well pad, which will be constructed as part of the well workover phase and applied for as such in the OA Application for the Well Workover.	**Commitment**	Well Workover	Permafrost and Soil	Civil/Structural - KEBA	Planned
~~479~~	~~20~~	~~Sec.4.3~~	~~The IESP EPP has been updated as per CER request and will be filed in REGDOCS as Revision 4.1 on April 7, 2023.~~	~~**Commitment**~~	~~All Phases~~	~~Environmental Mgmt~~	~~Environmental - Alan~~	~~Implemented and Closed~~
480	20	Sec.4.20	In addition, following construction of the ESW (2024), IESPL are committed to weekly visual monitoring of the creek during annual freshet for the duration of the project.	**Commitment**	All phases	Monitoring	Environmental - Alan	Planned
481	20	Sec.4.14.b	In the event of a spill onsite in or near a watercourse during open water conditions (i.e., within 100 m of flowing water) water samples at that location will be collected within 48 hours of the spill and sent to the ALS Laboratory Group (ALS) Depot in Yellowknife, NT. A spare set of the required bottles outlined in Section 6.1 will be kept on site as part of the spill response kit.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
482	20	Sec.4.14.b	If the spill occurs during frozen or dry conditions, or at a location greater than 100 m waterbody, water quality sampling will be conducted at the first signs of flowing water at the nearest downstream location and compared with baseline water quality analysis in 2021.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
483	20	Sec.4.14.b	Spill sampling locations will be determined as part of spill response planning at the time of the incident and will not be reflected in the long-term monitoring program. .... Any additional sampling required for spill response management will be compared with additional reference data collected from upstream sampling locations to accommodate the inclusion of new parameters not defined in the baseline water quality analysis from 2021.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
484	20	Sec.4.14.d	In the event of a potential spill, water quality analysis is to be determined based on the nature of the substance(s) released. Adaptive management of the long-term surface water monitoring program and the SWS Procedure will accommodate any added parameters in the event of a spill, and an updated SWS Procedure will be developed to reflect the changes in procedure.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
485	20	Sec.4.14.e	Water sampling procedures for potential spill incidents will be completed in the same manner as surface water sampling, with the appropriate PPE as per the nature of the substance(s) released and the Spill Response Plan. Protective gloves (e.g., nitrile gloves) will be worn during any spill response work.	**Commitment**	All Phases	Spills	Environmental - Alan	Planned
~~486~~	~~20~~	~~Sec.4.6~~	~~The IESP EPP has been updated as per CER request and will be filed in REGDOCS as Revision 4.1 on April 7, 2023. The update clarifies that no soil or debris piles are left within 100 metres of a waterbody.~~	~~**Commitment**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~487~~	~~20~~	~~Sec.4.8, 4.9, 4.11~~	~~The IESP EPP has been updated as per CER request and will be filed in REGDOCS as Revision 4.1 on April 7, 2023.~~	~~**Commitment**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~488~~	~~20~~	~~Sec.4.1~~	~~An updated Erosion and Sediment Control Plan will be provided with the corrected reference (mention of the FFHPP has been amended to reference the ESCMP).~~	~~**Commitment**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
489	20	Sec.4.14.a	The SWS Procedure has been updated to confirm that annual sampling will be conducted in August in addition to any required sampling required for spill response onsite.	**Commitment**	All Phases	Water	Environmental - Alan	Planned
490	20	Sec.4.2	We will continue to monitor the creek annually as per our EPP and the Surface Water Sampling Procedure. We will address any visual turbidity issues with immediate response and appropriate monitoring and mitigation measures as previously described in the EPP management plans.	**Commitment**	All Phases	Water	Environmental - Alan	Planned
491	20	Sec.4.22.b.3	The Energy Center will use deep (pile) and shallow foundations and a possible thermosyphon system is under consideration where required.	**Commitment**	Design - Civil	Permafrost and Soil	Civil/Structural - KEBA	Planned

492	20	Sec.4.26	IESPL will ensure drawworks are inspected in accordance with CAOEC Recommended Practice 10.0 “Inspection of Drawworks Brake Load Path Components;” and carrier mounted equipment will be inspected and certified in accordance with CAOEC Recommended Practice 11.0 “Inspection and Certification of Carrier Mounted Equipment.	**Commitment**	Design - Facility	Energy Centre	Quality - Nyssa	Planned
493	20	Sec.4.22.a	Moving forward, the term “Energy Centre” will be used to describe the facility and its equipment. The Energy Center will be situated on a granular infrastructure pad which will be termed “Energy Center Pad.”	**Commitment**	Design - Facility	Energy Centre	Corporate - Travis	Planned
494	20	Sec.4.21.a.3	Adfreeze piles will be used to support elements of the Energy Center including elevated storage tanks, pipe racks and associated equipment.	**Commitment**	Design - Facility	Permafrost and Soil	Civil/Structural - KEBA	Planned
495	20	Sec.4.21.a.1	The borrow source materials will be evaluated on an ongoing basis to confirm their adequacy.	**Commitment**	ESW	Borrow	EPCM - Brent	Planned
~~496~~	~~20~~	~~Sec.4.3~~	~~In response to this Information Request (CER IR No.4), and CER IR No.3, IESPL will be revising the IESP Emergency Response Plan (ERP) for ESW and other phases and submitting a revised ERP (including revision from both IR No.3 and IR No.4) on April 7, 2023 (the due date for IR No.3).~~	~~**Commitment**~~	~~ESW~~	~~Emergency Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~497~~	~~20~~	~~Sec.4.21.a~~	~~The Quality Management Plan shall be developed in accordance with the contract specifications. The QC/QA roles shall be independent of each other and undertaken by different individuals.~~	~~**Commitment**~~	~~ESW~~	~~Jobs and Contracts~~	~~Quality - Nyssa~~	~~Implemented and Closed~~
498	20	Sec.4.21.a.1	QC/QA personnel shall be on site as required to monitor construction activities related to earthworks and placement of material from borrow pits.	**Commitment**	ESW	Monitoring	Geotechnical - KEBA	In Progress
499	20	Sec.4.21.a.2	QC/QA personnel shall be on site as required to monitor construction activities related to road construction activities including clearing, snow removal, material conformance, lift thickness, compaction requirements, survey design grades and elevations, and conformance to plan requirements including safety protocols and environmental management plans. Duties and responsibilities of the Field Technician shall include daily on-site monitoring and materials testing and reporting including georeferenced photos.	**Commitment**	ESW	Monitoring	EPCM - Brent	In Progress
500	20	Sec.4.21.a.3	A Field Technician shall conduct pile installation monitoring to verify compliance with the design.	**Commitment**	ESW	Monitoring	EPCM - Brent	Planned
501	20	Sec.4.21.a.4	QC/QA personnel shall be on site as required to monitor construction activities related to all culvert installation activities. ...	**Commitment**	ESW	Monitoring	EPCM - Brent	Planned
502	20	Sec.4.21.a.6	The construction of the Energy Center Pad will be monitored and recorded to confirm all fill materials are placed as per design with the proper lift thicknesses, compaction, and material requirements.	**Commitment**	ESW	Energy Centre	Civil/Structural - KEBA	In Progress
503	20	Sec.4.21.a.5	The Engineer of Record (EOR) will review the Contractor’s plan for erecting the bridge. Prior to the erection, the EOR will inspect the superstructure components to check for any deficiencies that could affect the safety or service life of the bridge, and these deficiencies would be rectified before the superstructure is allowed to be erected.	**Commitment**	ESW	Other	Civil/Structural - KEBA	Planned
~~504~~	~~20~~	~~Sec.4.21.a~~	~~A Quality Management Plan shall be prepared to execute and deliver the QC/QA services. The Quality Management Plan shall document the methodologies and procedures to provide consistent reporting and monitoring methods and limit errors and omissions from construction activities.~~	~~**Commitment**~~	~~ESW~~	~~Reporting~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
505	20	Sec.4.21.a	Non-conformance reports or NCRs will be produced when the construction is not in conformance with the contract specifications and the NCRs will be provided to the Contractor, IESPL, and the Engineer of Record (EOR).	**Commitment**	ESW	Reporting	Civil/Structural - KEBA	In Progress
506	20	Sec.4.21.a	The Contractor shall provide their response on how to rectify the non-conformance. If the response is deemed unsatisfactory, then the EOR and IESPL will determine how to proceed.	**Commitment**	ESW	Reporting	Senior Management Team	Planned
507	20	Sec.4.21.a.4	NCRs will be produced when the construction is not in conformance with the contract.	**Commitment**	ESW	Reporting	Civil/Structural - KEBA	Planned
508	20	Sec.4.21.c	As-built reporting will be undertaken after completing the ESW construction activities including as-built documentation, and a summary of any deviations from the original design that is signed and stamped by a Professional Engineer registered with NAPEG.	**Commitment**	ESW	Reporting	Civil/Structural - KEBA	Planned

509	20	Sec.4.21.a.5	A final inspection of the bridge will take place with the structural and geotechnical engineer prior to allowing any traffic on the bridge.	**Commitment**	ESW	Traffic	Civil/Structural - KEBA	Planned
510	20	Sec.4.23.a	During the construction phase, an owner-controlled insurance program will be put into place that will insure the real property through an "all risk course of construction," a wrap up liability policy to cover third party liability claims, and a project specific contractors pollution liability policy to cover pollution claims.	**Commitment**	ESW and WW	Corporate	Corporate - Travis	In Progress
511	20	Sec.4.23.a	When the construction phase is completed, coverages for the operation of well will be arranged that will include "all risk property" covering the real property including business interruption, commercial general liability and umbrella liability, environmental liability and equipment breakdown.	**Commitment**	Commissioning and Operations	Corporate	Corporate - Travis	Planned
~~512~~	~~20~~	~~Sec.4.23.b~~	~~IPC's signed and audited financial statements for 2022 will be available at the end of April 2023.~~	~~**Commitment**~~	~~ESW and WW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~
~~513~~	~~20~~	~~Sec.4.1~~	~~In response to this Information Request (CER IR No.4), and CER IR No.3, IESPL will be revising the EPP Rev 4.0 and submitting a revised EPP (including revision from both IR No.3 and IR No.4) on April 7, 2023 (the due date for IR No.3), as Rev 4.1.~~	~~**Commitment**~~	~~ESW and WW~~	~~Environmental Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~514~~	~~20~~	~~Sec.4.2~~	~~The IESP EPP has been updated as per CER request and will be filed in REGDOCS as Revision 4.1 on April 7, 2023.~~	~~**Commitment**~~	~~ESW and WW~~	~~Environmental Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~515~~	~~20~~	~~Sec.4.4 and 4.5~~	~~The IESP EPP has been updated as per CER request and will be filed in REGDOCS as Revision 4.1 on April 7, 2023.~~	~~**Commitment**~~	~~ESW and WW~~	~~Fish~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~516~~	~~20~~	~~Sec.4.1~~	~~The Turbidity Monitoring Procedure has been determined not to be applicable to the IESP and will be withdrawn (See detailed Response at 4.16).~~	~~**Commitment**~~	~~ESW and WW~~	~~Water~~	~~Environmental - Alan~~	~~Implemented and Closed~~
517	20	Sec.4.21.a.5	The first milestone will be to review the installed substructure (piles and pile caps), and to be on-site while the girders are placed by crane.	**Commitment**	Installation and Construction	Permafrost and Soil	Construction Contractor - BIRD	Planned
518	20	Sec.4.21.a.6	The Energy Center and its equipment will be constructed on granular pad elevated above the existing ground which allows the permafrost to move up into the pad and allows surface runoff to be directed away from the pad to limit localized thaw caused by pooling of surface water.	**Commitment**	Installation and Construction	Permafrost and Soil	Construction Contractor - BIRD	In Progress
519	20	Sec.4.21.b	QC/QA personnel will be on site to monitor construction activities related to earthworks and materials testing to check that construction is in conformance with the design and specifications and will report to a Professional Engineer registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG).	**Commitment**	Installation and Construction	Permafrost and Soil	Civil/Structural - KEBA	In Progress
~~520~~	~~20~~	~~Sec.4.27~~	~~A copy of the updated ERP, including changes as per 4.27 a) and 4.27 c), will be filed in REGDOCS on April 7, 2023, with the IR No. 3 Response.~~	~~**Commitment**~~	~~Well Workover~~	~~Emergency Mgmt~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
521	20	Sec.4.28.d	The onsite IESP representative will have the authority to ignite the well. They will be responsible to manage the well ignition and conduct and/or delegate the actual ignition.	**Commitment**	Well Workover	Emergency Mgmt	Completions Engineer - Dick	Planned
~~522~~	~~20~~	~~Sec.4.24~~	~~The IESP Health and Safety Plan has been updated as per CER request and will be filed in REGDOCS as Revision 2.0. on April 7, 2023, with the IR No. 3 Response.~~	~~**Commitment**~~	~~Well Workover~~	~~Health & Safety~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
523	20	Sec.4.28.c	As above there will be two trained individuals on site during workover activities while the formation is open to the BOPs.	**Commitment**	Well Workover	Health & Safety	Completions Engineer - Dick	Planned
524	20	Sec.4.25	IESPL will ensure that the BOP equipment is inspected and certified in accordance with CAOEC Recommended Practice 6.0 "Inspection and Certification of Blowout Preventers".	**Commitment**	Well Workover	M-18 Well	Completions Engineer - Dick	Planned
525	20	Sec.4.28.b	A "dry run" practice of well ignition will be performed prior to drilling out of the current suspension plugs	**Commitment**	Well Workover	M-18 Well	Completions Engineer - Dick	Planned
526	20	Sec.4.28.b	A minimum of two personnel (likely IESP representative on site and the service rig manager) will attend the Energy Safety Canada Vapour Plume Ignition Training course or equivalent.	**Commitment**	Well Workover	Training and Capacity Building	Completions Engineer - Dick	Planned
	22		**Refer to Conditions Worksheet**					
	23		**Refer to Conditions Worksheet**					

554	24	Pg. 2 b)	It is important to note that the Energy Center Pad IFC drawings were prepared in advance of the final engineering of the Energy Centre, which is currently undergoing optimization. The finalized details will be available 60 days before the commencement of construction, scheduled for Summer 2025.	**Commitment**	Energy Centre	Permafrost and Soil	Civil/Structural - KEBA	Planned
555	24	Pg. 3 c)	Settlement monitoring at the Energy Center will involve both horizontal and vertical (elevation) surveys of the equipment at the Energy Center which will be founded on Adfreeze steel pipe piles, the details of which have been submitted to CER previously.	**Commitment**	Energy Centre	Monitors	Civil/Structural - KEBA	Planned
556	24	Pg.3 c)	This monitoring will be conducted within individual equipment modules and between modules. IESPL will perform surveys at the time of installation and periodically during operations to observe and document any changes over time.	**Commitment**	Energy Centre	Monitors	Civil/Structural - KEBA	Planned
557	24	Pg.3 d)	These details have not been completed for all equipment items of the Energy Centre and will be available 60 days before the start of construction.	**Commitment**	Energy Centre	Permafrost and Soil	Civil/Structural - KEBA	Planned
558	24	Pg.3 e)	Where dynamic loads are found to be transmitted beyond those locations where they are expected then additional engineering design will be undertaken such as structurally interconnecting the piles.	**Commitment**	Energy Centre	Permafrost and Soil	Civil/Structural - KEBA	Planned
559	24	Pg.4 f)	Ongoing engineering activities for the Energy Center are currently in progress and will be made available in proximity to the installation timeline for Energy Center foundations, as previously mentioned.	**Commitment**	Energy Centre	Permafrost and Soil	Civil/Structural - KEBA	Planned
END OF REGISTER TO DATE								

Inuvialuit Energy Security Project

Summary of Conditions from ESW OA and related submissions

Updated: 2023-12-07

Submitted to CER: 2023-12-18

CER ID	CER Source	Section or Paragraph #	Commitment Description	Type	Phase	Aspect	Lead by	Progress Status
1	1	IHTC Letter of Support	Keep the IHTC informed of IESP progress.	**Condition**	All phases	Community	Community Relations - Verna	In Progress
2	1	Hamlet of Tuk LOS	Keep us informed as the IESP progresses.	**Condition**	All Phases	Community	Community Relations - Verna	In Progress
3	1	THTC Letter of Support	Ensure opportunites are properly advertised in the community.	**Condition**	All Phases	Community	Community Relations - Verna	In Progress
4	1	THTC Letter of Support	Keep the THTC informed of IESP progress.	**Condition**	All Phases	Community	Community Relations - Verna	In Progress
~~5~~	~~1~~	~~THTC Letter of Support~~	~~Construct a bridge instead of a culvert at the proposed creek crossing site.~~	~~**Condition**~~	~~All Phases~~	~~Drainage~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
6	1	ICC Letter of Support	Carry out the work in an environmentally responsible manner.	**Condition**	All phases	Environmental Mgmt	Environmental - Alan	In Progress
7	1	IHTC Letter of Support	Maintain appropriate environmental standards throughout the project.	**Condition**	All Phases	Environmental Mgmt	Environmental - Alan	In Progress
8	1	Town of Inuvik LOS	Ensure work is done in an environmentally responsible manner.	**Condition**	All Phases	Environmental Mgmt	Environmental - Alan	In Progress
9	1	Hamlet of Tuk LOS	IPC and its partners ensure appropriate environmental standards are met throughout the project.	**Condition**	All Phases	Environmental Mgmt	Environmental - Alan	In Progress
10	1	THTC Letter of Support	Maintain appropriate environmental standards throughout the project.	**Condition**	All Phases	Environmental Mgmt	Environmental - Alan	In Progress
11	1	ICC Letter of Support	Carry out the work safely.	**Condition**	All phases	Health & Safety	Health and Safety - Kevin	In Progress
12	1	IHTC Letter of Support	Maintain appropriate safety standards throughout the project.	**Condition**	All phases	Health & Safety	Health and Safety - Kevin	In Progress
13	1	Town of Inuvik LOS	Ensure work is done safely.	**Condition**	All phases	Health & Safety	Health and Safety - Kevin	In Progress
14	1	Hamlet of Tuk LOS	IPC and its partners ensure appropriate safety standards are met throughout the project.	**Condition**	All Phases	Health & Safety	Health and Safety - Kevin	In Progress
15	1	THTC Letter of Support	Maintain appropriate safety standards throughout the project.	**Condition**	All Phases	Health & Safety	Health and Safety - Kevin	In Progress
16	1	ICC Letter of Support	Hire local businesses	**Condition**	All phases	Jobs and Contracts	Human Resources -Travis	In Progress
17	1	IHTC Letter of Support	Hire local individuals.	**Condition**	All phases	Jobs and Contracts	Human Resources -Travis	In Progress
18	1	Town of Inuvik LOS	Hire local individuals and business, ensuring opportunites are made know first to local enterprises.	**Condition**	All phases	Jobs and Contracts	Human Resources -Travis	In Progress
19	1	Hamlet of Tuk LOS	Hire local businesses.	**Condition**	All phases	Jobs and Contracts		In Progress
~~20~~	~~1~~	~~THTC Letter of Support~~	~~Hire local individuals and businesses to the extent possible.~~	~~**Condition**~~	~~All Phases~~	~~Jobs and Contracts~~	~~Human Resources - Travis~~	~~Implemented and Closed~~
~~21~~	~~1~~	~~Hamlet of Tuk LOS~~	~~Incorporate lessons learned from the Ikhil Gas Project into your planning for the IESP.~~	~~**Condition**~~	~~All phases~~	~~Other~~	~~Engineering -Startec~~	~~Implemented and Closed~~
~~22~~	~~1~~	~~IHTC Letter of Support~~	~~Assess impact of increased trucking on the ITH on Inuvialuit harvester.~~	~~**Condition**~~	~~All phases~~	~~Traffic~~	~~Environmental - Alan~~	~~Implemented and Closed~~
23	1	Hamlet of Tuk LOS	Cooperate with the Hamlet and GNWT with respect to issues relating to the Inuvik-Tuktoyaktuk Highway	**Condition**	All Phases	Traffic	Corporate - Travis	In Progress
24	1	ICC Letter of Support	Support training and capacity building for job and contracting opportunities as much as possible.	**Condition**	All phases	Training and Capacity Building	Corporate - Travis	In Progress
25	1	IHTC Letter of Support	Support training and capacity building for job and contracting opportunities starting early in the project development process.	**Condition**	All phases	Training and Capacity Building	Corporate - Travis	In Progress
26	1	Hamlet of Tuk LOS	Support training and capacity building for job and contracting opportunities as much as possible.	**Condition**	All phases	Training and Capacity Building	Corporate - Travis	In Progress
27	1	THTC Letter of Support	Support training and capacity building for job and contracting opportunities starting early in the project development process.	**Condition**	All Phases	Training and Capacity Building	Corporate - Travis	In Progress
~~28~~	~~1~~	~~IHTC Letter of Support~~	~~Ensure respect and proper planning for wildlife impacts.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~29~~	~~1~~	~~THTC Letter of Support~~	~~Ensure respect and proper planning for wildlife impacts.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~30~~	~~2~~	~~Pg.7 Para.2~~	~~Any significant changes to the scope of the Project Description will require the submission of a revised Project Description to the EISC prior to implementation of those changes.~~	~~**Condition**~~	~~All Phases~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~

~~31~~	~~2~~	~~Sec.11~~	~~The Proponent shall update its Emergency Response Plan and Contingency Plan to include a map which clearly identifies the locations of all Spill Response Equipment located on site.~~	~~**Condition**~~	~~All Phases~~	~~Emergency Mgmt~~	~~Senior Management Team~~	~~Implemented and Closed~~
~~32~~	~~2~~	~~Sec.12~~	~~The Proponent shall include a map identifying the direction of water flow on the site and access road in its final Emergency Response Plan and Contingency Plan.~~	~~**Condition**~~	~~All Phases~~	~~Emergency Mgmt~~	~~Senior Management Team~~	~~Implemented and Closed~~
~~33~~	~~2~~	~~Sec.14.a)~~	~~The Proponent shall update all applicable management plans associated with the Project to address without limitation the following areas: • Navigability of water bodies; • Management and discharge of wastewater associated with sump reclamation; • Further consider bear denning and completion of site works after annual surveys are completed; • Updating fish habitat plans with baseline information to inform adaptive management; • Updating management plans associated with archaeological interactions; • Updates to the waste management plan to include estimates of waste generated and managed during all Project phases, including all hazardous materials and quantities; • Ensure measures are in place to reflect the >50 year life of the project and the potential impacts to barren-ground caribou and harvesting activities and that the mitigations are adequate with regard to disturbance to caribou; • Temporary closure conditions; • Closure condition of the sump after completion of the decommissioning of the facilities and reclamation of the site; and, • Climate change effects.~~	~~**Condition**~~	~~All Phases~~	~~Environmental Mgmt~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~34~~	~~2~~	~~Sec.13~~	~~In order to avoid significant impacts during operations, the Proponent shall develop an Adaptive Management Plan that features a tiered proactive response to unanticipated impacts on site.~~	~~**Condition**~~	~~All Phases~~	~~Environmental Mgmt~~	~~Environmental - Alan~~	~~Implemented and Closed~~
35	2	Sec. 4.a)	The Proponent shall include in the applicable monitoring plan the following considerations to inform the potential impacts to fish bearing water bodies: • habitat and/or fish disturbances associated with the Project construction phase; • future habitat disruptions as a result of poor planning or inadequate habitat mitigation; and, • increased fish harvesting in the future due to increased access.	**Condition**	All Phases	Fish	Environmental - Alan	Planned
36	2	Sec.4.b)	Should any impacts to fisheries be observed during the life of the Project the Proponent is to notify the Fisheries Joint Management Committee and the Imaryuk Monitoring Program of the impacts and the mitigation measures undertaken or planned.	**Condition**	All Phases	Fish	Environmental - Alan	Planned
37	2	Sec.4.c)	The Proponent shall provide relevant fisheries baseline information to the Fisheries Joint Management Committee.	**Condition**	All Phases	Fish	Environmental - Alan	Planned
38	2	Sec.7	The Proponent shall consult and collaborate with the IGC, the THTC, the IHTC, WMAC NWT, and ENR when updating its WWHPP. Updates to the WWHPP may be warranted in response to caribou populations and their interactions with the Project.	**Condition**	All Phases	Harvesting (Wildlife)	Environmental - Alan	In Progress
~~39~~	~~2~~	~~Sec.8~~	~~The Proponent shall contact the Prince of Wales Northern Heritage Centre to revise the submitted Archaeological Site Management Plan to consider the number of AoPs within the proposed road routes using the 2019 Archaeological Overview Assessment, and update the management procedures provided in the Archaeological Site Management Plan where necessary.~~	~~**Condition**~~	~~All Phases~~	~~Heritage Arky and Culture~~	~~Environmental - Alan~~	~~Implemented and Closed~~

40	2	Sec.1	The sump monitoring shall include all phases of activities (initial rehabilitation, during operations of the project, and post-closure). The monitoring shall include all applicable Valued Components (VCs) that may be directly or indirectly impacted by the sump including but not limited to: permafrost, terrain, hydrology, water quality and vegetation). The duration of postclosure monitoring shall be informed by the monitoring results achieving acceptable closure criteria.	**Condition**	All Phases	Monitoring	Environmental - Alan	Planned
41	2	Sec.14.b)	The Proponent shall update all applicable monitoring plans associated with the Project, and update the plans to address without limitation the following items: • Completion of annual survey for bear dens; • Potential impacts to fisheries; • Greenhouse gas emissions and air quality; and • Additional monitoring associated with the sump to include all project phases (inclusive of post-closure) and relevant VCs, inclusive of water quality and vegetation monitoring downgradient of the sump within the existing impacted area, as well as permafrost and geotechnical monitoring.	**Condition**	All Phases	Monitoring	Environmental - Alan	Planned
42	2	Sec.15	The Proponent shall adhere to the commitments outlined in its PD, those included in its responses to IR #001-044, and the Proponent's January 5th, 2021 letter. As outlined in section 7.0 of the Project Description, these commitments should be included on the Commitment and Concordance Register.	**Condition**	All Phases	Other	Senior Management Team	Planned
43	2	Sec.14.a)	Updates to the emergency response and contingency plan to include: a site specific map that identifies locations of spill response equipment, and a map identifying the direction of flow of runoff water and water drainages about the site and access road;	**Condition**	All Phases	Spills	Environmental - Alan	Planned
44	2	Sec.9	The Proponent shall regularly update its Waste Management Plan to ensure it reflects the character and volumes of waste expected to be generated and managed during all phases of the project.	**Condition**	All Phases	Waste	Environmental - Alan	Planned
45	2	Sec.10	The Proponent shall regularly update its Waste Management Plan to reflect current estimates of hazardous materials including characteristics and quantities.	**Condition**	All Phases	Waste	Environmental - Alan	Planned
~~46~~	~~2~~	~~Sec.2~~	~~The Proponent shall seek additional guidance from the Inuvialuit Water Board regarding this activity and whether a water licence is required.~~	~~**Condition**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~47~~	~~2~~	~~Sec.3~~	~~The Proponent shall seek a determination from Transport Canada whether Gunghi Creek is navigable and proceed accordingly.~~	~~**Condition**~~	~~All Phases~~	~~Water~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
~~48~~	~~2~~	~~Sec.6.a)~~	~~The Proponent shall review and revise its WWHPP to address additional stipulations included in the 2019 Guidelines.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~49~~	~~2~~	~~Sec.6.b)~~	~~The Proponent shall ensure that the WWHPP addresses all stages of the project and will adapt to changes in wildlife populations, wildlife use/habitat, and harvesting.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~50~~	~~2~~	~~Sec.6.c)~~	~~The Proponent shall share the revised WWHPP with WMAC NWT, the Inuvialuit Game Council (IGC), the Tuktoyaktuk Hunters and Trappers Committee (THTC), the Inuvik Hunters and Trappers Committee (IHTC), and ENR; and seek comments prior to finalizing the WWHPP updates.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
~~51~~	~~2~~	~~Sec.6.d)~~	~~The Proponent shall include in the revised WWHPP the engagement process it will undertake with representative Inuvialuit organizations should there be a wildlife mortality to a species under a 'management order'.~~	~~**Condition**~~	~~All Phases~~	~~Wildlife~~	~~Environmental - Alan~~	~~Implemented and Closed~~
52	2	Sec.5	The Proponent shall submit a report to the GNWT Department of Environment and Natural Resources (ENR) and the Wildlife Management Advisory Council – Northwest Territories(WMAC-NWT) on the results of any past or future bear den surveys and revise the WWHPP to include a protocol describing how it will proceed in the event that construction activities disturb a bear potentially denning in the area. In accordance with the Wildlife Act, no work shall proceed until this has been completed.	**Condition**	All Phases	Wildlife Habitat	Environmental - Alan	Planned

231	8	Pg.2 Para.5	As per the commitment in your letter, I request that IPC submit relevant socio-economic information on a regular basis. My PRD team will contact you to identify what data would be beneficial to the Government of the Northwest Territories and to establish a frequency of submission.	**Condition**	All Phases	Community	Community Relations - Verna	Planned
232	8	Pg.4 Para.3	Commit through this letter to provide annual reports on employment, to ensure that all northerners are given access to jobs (second only to Inuvialuit) and contracting opportunities (second only to Inuvialuit registered companies), and to work along-side your departments to ensure that this project brings maximum benefit to the region.	**Condition**	All Phases	Reporting	Human Resources	Planned
249	13	Sec.6.1.5 Para.2	IPC stated that operational emissions will be within government requirements. IPC will operate an incinerator to burn off gases from non-routine operations (e.g., quick and safe shut down of part of the plant, pressure safety valve activated for process safety reasons) and vapours from filling the tanks. Buildings will have appropriate gas detection with visual and auditory alarms inside and outside of affected buildings. The plant control system will identify the type and location of any leaks and the heating, ventilationand air conditioning system will be designed to manage leaks. IPC stated that the loading stations will be equipped with vapour collection and recovery systems. IPC committed to installing ambient air quality stations to capture particulates for analysis and to using adaptive management as information is gathered during operations.	**Condition**	All Phases	Air Quality	Engineering -Startec	Planned
250	13	Sec.6.1.3 Para.2	To protect the permafrost surrounding the well, IPC has committed to placing a gelled fluid in the area between the well casing and the production tubing to limit heat transfer from the well to the permafrost.	**Condition**	ESW	M-18 Well	Geotechnical - KEBA	Planned
251	13	Sec.6.1.3 Para.3	IPC submitted that it installed ground temperature cables at four locations in the Project Area in March 2020 to depths of between eight metres and 20 metres and committed to monitor the permafrost temperatures in the Project Area during the life of the project.	**Condition**	All Phases	Monitoring	Environmental - Alan	Planned
252	13	Sec.6.4.5	IPC stated that it will continuously monitor the TUK M-18 well throughout its life, including for flowing surface and shut-in pressures, flow rates, and gas temperatures, as well as for gas composition, fugitive emissions, valves, pneumatic controllers, and pumps.	**Condition**	Commissioning and Operations	Monitoring	Operations - Brent	Planned
253	13	Sec.6.1.3 Para.2	Gravel thickness on the pads and road will be sufficient to bear all loads and provide thermal stability and protect the permafrost.	**Condition**	ESW	Permafrost and Soil	Geotechnical - KEBA	Planned
254	13	Sec.6.1.3 Para.3	IPC stated that all facilities, including storage tanks,will be built on ad-freeze piles on top of insulating gravel pads to protect the permafrost.	**Condition**	All Phases	Permafrost and Soil	Civil/Structural - KEBA	Planned
255	13	Sec.6.1.4	The 4km all-season access road has also been routed so that 50 percent will follow an existing linear disturbance from a previous winter drilling program. IPC committed to reclaim the pads and the all-season access road in the future to the regulatory standard of the day.	**Condition**	Decommissioning	Permafrost and Soil	Environmental - Alan	Planned
256	13	Sec.6.1.2 Para.1	IPC stated that the proposed all-season access road will be routed 100 meters or greater from seven ponds in the Project Area and will require a bridge across one unnamed stream.	**Condition**	ESW	Water	Civil/Structural - KEBA	Planned
257	13	Sec.6.1.2 Para.2	IPC stated that the minor water quantities required for well completion will be provided by truck from Tuktoyaktuk or Inuvik.	**Condition**	Well Workover	Water	Completions Engineer - Dick	Planned
~~528~~	~~22~~	~~Appendix 1 Pg.2 Sec.5~~	~~IESPL must file with the CER, no later than 10 days after the authorization for Early Site Works is issued:~~ ~~a) signed and audited 2022 financial statements and notes for the Inuvialuit Petroleum Corporation that demonstrate sufficient funds to support the parental guarantee; and~~ ~~b) a statement signed by an officer of the Inuvialuit Petroleum Corporation that no material financial changes occurred between the end date of the financial statements (e.g. 31 Dec 2021) and the date of issuance of the authorization for Early Site Works.~~	~~**Condition**~~	~~ESW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~

~~529~~	~~22~~	~~Appendix 1 Pg.2 Sec.6~~	~~IESPL must file with the CER, at least 45 days before Early Site Works construction: a) for approval, a final, executed copy of the parental guarantee, in the amount and substantively in the final form submitted by IESPL on the MH-002-2022 hearing record, as proof of financial responsibility in relation to Early Site Works; and b) a final copy of the insurance policy or policies in relation to Early Site Works, referenced on the MH-002-2022 hearing record.~~	~~**Condition**~~	~~ESW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~
530	22	Appendix 1 Pg.2 Sec.7	IESPL must notify the CER in writing, within five business days of learning that there are, or there will be, any material changes to: a) the financial position of the guarantor that may affect IESPL's ability to address loss, damage, costs, and expenses caused by spills or debris from Early Site Works for the IESP. An example of a material change in financial position may be a significant draw of credit; b) IESPL's form of proof of financial responsibility, as filed in support of Condition 6 to this authorization, including but not limited to cancellation or amendments to theparental guarantee; c) the financial information submitted by IESPL as part of the MH-002-2022 hearing in support of its proposed form and amount of proof of financial responsibility, including material changes to relevant insurance policies; or d) IESPL's ability to continue to own and/or operate the IESP.	**Condition**	ESW	Corporate	Corporate - Travis	Planned
531	~~22~~	~~Appendix 1 Pg.4 Sec.13~~	~~IESPL must file with the CER, at least seven days prior to commencing Early Site Works construction: a) a copy of the Northwest Territories' Commissioner in Executive Council consent to the Commission's approval of amendments to Part 1 of the IESP Development Plan, set out in the Letter Decision dated 22 June 2023 (Consent); or b) an alternate date for when IESPL will file the Consent with the CER, and the reason for the delay in filing.~~	~~**Condition**~~	~~ESW~~	~~Corporate~~	~~Corporate - Travis~~	~~Implemented and Closed~~
532	22	Appendix 1 Pg.5 Sec.16	IESPL must file with the CER, within 30 days after completing Early Site Works construction, a confirmation that the Early Site Works were completed and constructed in compliance with all applicable conditions in this Letter Decision. If compliance with any of these conditions cannot be confirmed, IESPL must file with the CER details as to why compliance cannot be confirmed. The filing required by this condition must include a statement confirming that the signatory to the filing is a responsible officer of IESPL.	**Condition**	ESW	Corporate	Corporate - Travis	Planned
~~533~~	~~22~~	~~Appendix 1 Pg.3 Sec.8~~	~~IESPL must file with the CER, at least 45 days prior to commencing Early Site Works construction, updated copies of the following documents specifically reflecting Early Site Works: a) Contractor Management Procedure; b) Incident Accident Reporting and Management Procedure; c) Emergency Response Plan; and d) Field operating guides for emergency response~~	~~**Condition**~~	~~ESW~~	~~Emergency Mgmt~~	~~Senior Management Team~~	~~Implemented and Closed~~
534	22	Appendix 1 Pg.1 Sec.3	IESPL must implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations, procedures, and its commitments for the protection of the environment included or referred to in the application for authorization for Early Site Works and related submissions.	**Condition**	All Phases	Environmental Mgmt	Environmental - Alan	Planned

~~535~~	~~22~~	~~Appendix 1 Pg.3 Sec.9~~	~~IESPL must file with the CER, at least 45 days prior to commencing Early Site Works construction, the following documents:~~ ~~a) Ambient Air (Dust) Monitoring Procedure;~~ ~~b) Noise Monitoring Procedure;~~ ~~c) Digital Light Intensity Monitoring Procedure;~~ ~~d) Wildlife Sighting Reporting Procedure;~~ ~~e) Bear Den Screening Procedure;~~ ~~f) Ground Temperature Monitoring Procedure;~~ ~~g) Driver Monitoring Procedure; and~~ ~~h) Land User Interaction Reporting Procedure.~~	~~**Condition**~~	~~ESW~~	~~Monitoring~~	~~Environmental - Alan~~	~~Implemented and Closed~~
536	22	Appendix 1 Pg.3 Sec.11	IESPL must: a) file with the CER and post on the IESP website, at least 45 days prior to commencing Early Site Works construction, a Commitment Tracking Table listing all commitments made by IESPL in the application for authorization for Early Site Works and related submissions, which includes: i) reference to the documentation in which each commitment appears (for example: the application and subsequent filings; responses to information requests; any permit, authorization, or approval requirements; condition filings; Environmental Impact Screening Committee decision; or other documents); ii) the accountable lead person for implementing each commitment; and iii) the estimated timeline required to fulfill each commitment. b) update the status of each commitment in part a) on the IESP website and file these updates with the CER, identifying the updates in a blackline version, on a quarterly basis until the end of the seventh year following the completion of Early Site Works construction. c) maintain at IESPL's construction office(s): i) a current copy of the Commitment Tracking Table required in (a) above, and the status of each condition, as required in (b) above; ii) copies of any permits, approvals, or authorizations issued by federal, territorial, or other permitting authorities, which include environmental conditions, recommendations, or site-specific mitigation or monitoring measures; and iii) any subsequent changes to permits, approvals, or authorizations referenced in c) ii).	**Condition**	ESW	Other	Regulatory Group - Alan	In Progress
537	22	Appendix 1 Pg.1 Para.2	Where a condition requires a filing for Commission approval, IESPL must not commence the indicated activity until the Commission issues its written approval of that filing.	**Condition**	All Phases	Other	Corporate - Travis	In Progress
538	22	Appendix 1 Pg.1 Sec.1	IESPL must comply with all of the conditions contained in this Authorization for Early Site Works unless the Commission otherwise directs or, where appropriate, an authorization or exemption is granted pursuant to subsection 54(1) of the Northwest Territories' Oil and Gas Operations Act.	**Condition**	ESW	Other	Corporate - Travis	In Progress
539	22	Appendix 1 Pg.1 Sec.2	IESPL must cause the approved Early Site Works to be designed, located, constructed, and operated in accordance with the specifications, standards, commitments made, and other information referred to in the application for authorization for Early Site Works and related submissions.	**Condition**	ESW	Other	EPCM - Brent	In Progress

~~540~~	~~22~~	~~Appendix 1 Pg.3 Sec.10~~	~~IESP must file with the CER, at least 45 days prior to commencing Early Site Works construction, a Quality Assurance/ Quality Control Plan that: a) outlines the necessary actions required to ensure that the design of Early Site Works, including the Energy Centre pad, access road, bridge, culverts, and adfreeze piles, is appropriate for their intended purposes; and b) confirms that all work, including construction of the Energy Centre pad, access road and installation of the bridge, culverts, and adfreeze piles, will be supervised by a Professional Engineer registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists.~~	~~**Condition**~~	~~ESW~~	~~Other~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
~~541~~	~~22~~	~~Appendix 1 Pg.4 Sec.14~~	~~IESPL must file with the CER, at least 60 days prior to commencing construction of the Energy Centre pad and the installation of civil foundation and adfreeze piles for the Energy Centre structures or modules, the following information: a) issued-for-construction drawings that show the layout of the Energy Centre, includingthe location and type of the planned buildings and other facilities, and the location of any dynamic equipment within the Energy Centre; b) foundation design plans for each of the structures to be placed on the Energy Centrepad. The plans must show the location, type, and layout of the foundation used; c) the pad design plans, including the layout, thickness of the pad, the compaction effort, and the type of material to be used to build the pad; and d) the location of the instrumentation that will be placed to support the permafrost monitoring program within the Energy Centre.~~	~~**Condition**~~	~~Design - Facility~~	~~Other~~	~~Civil/Structural - KEBA~~	~~Implemented and Closed~~
~~542~~	~~22~~	~~Appendix 1 Pg.4 Sec.12~~	~~IESPL must file with the CER, at least 30 days prior to commencing Early Site Works construction, a detailed construction schedule or schedules identifying major construction activities and must notify the CER of any modifications to the schedule or schedules as they occur.~~	~~**Condition**~~	~~ESW~~	~~Reporting~~	~~EPCM - Brent~~	~~Implemented and Closed~~
543	22	Appendix 1 Pg.4 Sec.15	IESPL must file with the CER, by the 15th and the last day of each month during Early Site Works construction, construction progress reports. Each report must include: a) information on the activities carried out during the reporting period; b) any environmental, socio-economic, safety, and security issues, and issues of non-compliance; c) the measures undertaken for the resolution of each issue identified in paragraph (b) above; and d) information on safety performance indicator trends, such as, but not limited to: i) cumulative total, and contractors', recordable injury rates and/or frequency; ii) total, and contractors', lost time injury rates and/or frequency, iii) total, and contractors', preventable motor vehicle incident rates and/or frequency, and iv) respective benchmarks for all safety performance indicators submitted, as set by IESPL.	**Condition**	ESW	Reporting	Health and Safety - Kevin	In Progress
544	22	Appendix 1 Pg.5 Sec.17	IESPL must file with the CER, within 270 days after completing Early Site Works construction, a post-construction report that includes but is not limited to: a) as-built documentation, with appropriate certification, for Early Site Works, including the Energy Centre pad, access road, bridge, culverts, and adfreeze piles; b) confirmation that IESPL followed its Quality Assurance/Quality Control Plan for Early Site Works (Condition 10); and c) an explanation of any deviations to the approved design of Early Site Works, including the Energy Centre pad, access road, bridge, culverts, or adfreeze piles, with documentation of Professional Engineer approval, as required.	**Condition**	ESW	Reporting	Civil/Structural - KEBA	Planned

545	22	Appendix 1 Pg.5 Sec.18	IESPL must file with the CER, on or before 31 January following each of the first, third, fifth, and seventh complete growing seasons after completing final clean-up from Early Site Works construction, a Post-Construction Environmental Monitoring Report that: a) describes the methodology used for monitoring, the criteria established for evaluating success, and the results found; b) identifies the issues to be monitored, including but not limited to unexpected issues that arose during construction, and their locations (for example, on a map or diagram, in a table); c) describes the current status of the issues (i.e., resolved or unresolved), any deviations from plans, and corrective actions undertaken; d) assesses the effectiveness of the mitigation measures, both planned and corrective, applied against the criteria for success; e) includes a detailed summary of IESPL's consultation undertaken with the appropriate territorial and federal authorities, co-management boards, and interested Indigenous Peoples; and f) provides proposed mitigation measures and the schedule that IESPL would implement to address ongoing issues or concerns. The report must include, but is not limited to, information specific to the effectiveness of mitigation measures applied to minimize effects on: soil (erosion and sedimentation), permafrost, watercourse crossings, water quality, wildlife and wildlife habitat, and wildlife species at risk and of special concern.	**Condition**	ESW	Reporting	Environmental - Alan	Planned
546	22	Appendix 1 Pg.6 Sec.19	IESPL must file with the CER, on or before 28 February each year, a Permafrost Monitoring and Protection Report that includes the following information: a) annual results of the permafrost monitoring program; b) a site layout plan showing the location of the monitoring equipment. The site plan must also show the location of the structures and foundation elements at the sites for the Energy Centre and the bridge; c) an updated list of monitoring equipment being used and planned to be installed,including a description of the state of the equipment and any damage incurred during the year, and replacement plans; d) the state of the permafrost, including temperature below surface and the depth of the active layer at the monitoring locations identified in the site plan from b) and any other monitoring locations added during the year; e) a description of the performance of the foundations at the bridge location and Energy Centre site that were constructed during Early Site Works, including a list of locations needing mitigation and the types of mitigation measures to be implemented; f) the results of any permafrost monitoring along the all-weather gravel access road, including the results of visual observation, permafrost instrumentation readings, and any proposed mitigation measures; and g) an update on climate conditions and their impacts on the permafrost in the general area surrounding the project, including a description of the general area considered, and a comparison to the state of permafrost within the project footprint.	**Condition**	ESW	Reporting	Environmental - Alan	Planned
547	23	Para.5	Conduct in-water undertakings and activities during periods of low flow, or during frozen conditions	**Condition**	ESW	Fish	Environmental - Alan	Planned
548	23	Para.5	Limit impacts on riparian vegetation to those approved for the work, undertaking or activity; Removal of riparian vegetation should be kept to a minimum and limited to the right-of-way of the bridge; Re-vegetate the disturbed area with native species suitable for the site;	**Condition**	ESW	Fish	Environmental - Alan	Planned
549	23	Para.5	Stabilize any waste materials removed from the work site to prevent them from entering the watercourse;	**Condition**	ESW	Fish	ESW Contractor - EGTNW	Planned

550	23	Para.5	Develop and implement an erosion and sediment control plan to minimize the introduction of sediment into any waterbody during all phases of the work, undertaking or activity;	**Condition**	ESW	Fish	Environmental - Alan	Planned
551	23	Para.5	Monitor the watercourse to observe signs of sedimentation during all phases of the work, undertaking or activity and take corrective action;	**Condition**	ESW	Monitoring	Environmental - Alan	Planned
552	23	Para.5	Operate machinery on land in stable dry areas or from a barge;	**Condition**	ESW	Fish	ESW Contractor - EGTNW	Planned
553	23	Para.5	Develop and implement a response plan to avoid a spill of deleterious substances.	**Condition**	ESW	Fish	Environmental - Alan	Planned
~~554~~	~~23~~	~~Para.9~~	~~We recommend that you notify this office at least 10 days before starting your project and that a copy of this letter be kept on site while the work is in progress.~~	~~**Condition**~~	~~ESW~~	~~Fish~~	~~Regulatory Group - Alan~~	~~Implemented and Closed~~
END OF REGISTER TO DATE								