

atugaqhaatigut pidjutiniaqtuqlu pipkainiaqtuqlu nutaani kayumiktukkuugutiqhanik nakuuhivalliayaanggini ihuaqtumik, ayurnaittumik, aulahimmaariami, aanniqtailiviqhaqmiklu. Nappaktirinirmun ilaliutiniaqtuq uqhuryuaqarvikhamik piquaqtittiluni malruungnik, 90,000 liitasnik uqhuryuaqarviinnik, pampiklugitlu uqhuryuat igluquyuaqpanut. Imaalu, QEC upalunggaiqhimayut nappaktiriimi Quonset aqhaluutiqaqviqhanut, transformer mik tamayaqaqviqaqluni, naparialgit tutquumiviqhainnik, kinggiqtaq glycol mik qattaryuarmiklu tamayaqaqviqaqluni iqqakuuqviqhaqaqluni tuglianilu piruqviqhamik. Iniqarnia pidjutihun'nguya atallaqattaqtunik havakviit itiqtiqviqhainnik, tamayaqaqviqaqlutik umiat tamayaqaqviinnik, aadlamiklu piquaqlutik qilamiugutauqaqqat januraitamik. Ihuaqhaqtauyuhatlu pidjutihimayumut hadja aulaviqhatigut atayuqhaq nutaamut pauwaqaviannut. 50 miitasnik uqhuquyup tuqhua piliurniaqtauyup atayaami Uqhuryualiqiyyitkut Uqhuqhanik Havagvianut (PPD) an'ngiumik uqhuquyuaqviqaqluni uataani. Tuqhuat piqangniaqtuq qaan'ngani ataanilu nunaup havaktauluni. Nutaaq pauwaqaqviqhaq pidjutittaahun'nguyup pidjutittaariami atutiqtaaffaaqtunik auladjutihatigut. Uuktuqtauyup nutaaq nayuraqhaa aktilaan'nga 10, 110 kiqqariqtunik miitasnik ittumi ihiviuqtauhimanggittumi, atiqanggittunilu hamalatkut nunainni haniraani Nuvu Apqutaa (Apqutaa R36) 50 miitasn'nguyungnaqhiyutlu uataani PPD uqhuquyuaqviannit. Talvani pauwaqaqviqhami piliurhimayup Hamalatkut igluqpakyuaqviqhainnut nunait aturniangginnit. Uuktuutaa tuniyauyup an'ngiqtaupluni Hamalatkunnit Uqhuqtuumi June 1, 2021 mi. GN kut CGS Upalun'ngaiyainirmun Nunatigunlu Havagvia tunihivaktut iniqhimaluanggittumik titigauyaqhimayumik Upalunggaiyaidjutimik An'ngiqtauhimayumik Unniutimik June 18, 2021 mi. Piqanggittuq nunami qurluarviinnik, imainnarmikluunniit 100 miitasnik havagviuviqhami. Piqanggittuq huradjaviliqidjutikkut, imarmiuniklu, avikturviuvimi kanatamiluunniit min'nguirviinnik Inuit nunagiyainnikluunniit hulaqutikpat pauwaqaqviqhaannik nayugaqhaannik. In'ngilraangnitatigun aktumattaqtunik ihivriuhiniaqtut July 2021 mi ihumaliuriami in'ngilraangnitamik piviqhaqariangginni ihuilidjutiniarman havaatimun naunaiqlugitlu hanaqiyaulimaittaangginni. Havaaqhaq naunaiqhimayup talvani Naunaitkutimi 1.Naunaitkut 1: Havaagiyaqhaq Uqhuqtuup PauwaqaqviqhaatHavaaqhaqNiriugiyauyup Hivuniqhaa Iniqhimakpiaqlugu Nunatigut Iniktiqlugitlu In'ngilraangnitat Aktumattaqtunik IhivriuhiniaqutaataQiqaiyalirvia 2021 mit Qiqaiyalirvia 2022 Naunaittiaqhimayup titirauyaqhimayup piliurnia Qitiqqautijuq 2022 mit Qiqaiyalirvia 2023Kaantraviliqinikkut niuvirnirmunluQitiqqautijuq 2023 mit Qiqaiyalirvia 2024Nappaktirinirmun Qitiqqautiyuq 2024 mit Dissaippa 2025 (kitumi ukiumi)Uuktuutiniq HavaktitaulirniqUbluqtuhirnirmi 2026 mit Qiqaiyalirvia 2026 mutPauwaqaqviqhaq tuniyauniaqtuq QEC kunni havaktiinnutQiqaijalirvia/Qitiqqautiyuq 2026 21 ni havaktiqhanik naunailakaffuktauyut piquaqtuqhanik havagviuviqhami nappaktiliqata. Aadjikkiilimaittuq nampait havaktiqhanik nappaktiliqata. Kaantraaktitauyup ihumaliurniaqtuq kaffiuyaaqhainnik havaktiqarniaqtuqhanik tikiutiyaami iniktirutaa havaaqhami. Kaantraaktitauyup piyuqhat tikiutilugit piquaqtuqhanik Inuit havaktiqhanik tamainni nappaktirilugumik. QEC kunni haaktiit Uqhuqtuumi munariyaqaqtut ubluq tamaat ubluq tamaat aulaviqhaitigut pauwaqaqvianit. Ilaliutilgitlu havainnaktumik Pauwaqaqviami Atan'nguyamik, malruungnik havakaffuktunik Ikayuqtiuyunik. Havaktut hadja nuutiqhun'nguyut nutaamun pauwaqaqviannut iniktiqqat. Nutaanik havaktiqalimaittuq talvamit haffuma havaatigut. Amigaingniatigut nappaktirinirmun tamayait Havaaqhamut agyaqtauniaqtut umiakktut. Ilanggit tamayat naunaiqhun'nguyut talvani nunami agyaqtaulutikluunniit tingmitikkut naunaiqutilugit aktilaanggit kaffiuyaaqhaitigunlu. Kantraaktitauyup munariyaqarniaqtuq naunaiqlugit tamayanik atuqtaqhanik nappaktiliqqat. Ilaliutiniagungnaqhiyuqlu aadlamik kaantraaktitauyuhamik nunainnagiyauyumi in'ngilragutikkut tamayanik talvunggaqtitaulutikluunniit nunallaamun umiakktut. Una havaaqhaq niriugiyauyup piviqhaqariami Hamalatkunnit Uqhuqtuumi atuinnaqtuyuktumik uqhuquyanik nautqilimaittuniklu nalvaaqtauhimayumik, ikiqliyuummirnialu puyumik anialailaqaataanit. Pipkainiaqtuqlu QEC kunnut

nakuuhivalliadjutiqhaatigun pauwaqtautikkut nunallaami, ikayuqtauhimingginnaklugitlu amigaingniat nunaqaqhimayut, tikiutilugulu hivuniqhaliuqtaat aanniqhimaittumik, piqainnaktittilugit pauwaqhainnik nunallaami.

Personnel

Personnel on site: 21

Days on site: 580

Total Person days: 12180

Operations Phase: from 2024-04-01 to 2026-03-31

Operations Phase: from 2026-04-01 to 2046-03-31

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Lot A - Proposed Power Plant	Fuel and chemical storage	Municipal	The proposed lot is within the Municipality of Gjoa Haven and has been designated for industrial land use. A portion of the selected location is currently being used by Canadrill and XYZ Contractor as a storage location for sea cans, construction materials, unmarked drums, and drilling supplies/equipment.	An archaeological impact assessment will be carried out in summer 2021 to determine if archaeological sites are in potential conflict with the project and identify any necessary avoidance or mitigation measures	Within the Municipality of Gjoa Haven, on the east side of the community, outside the core community area. There are no natural drainages within 100 metres and no designated wildlife areas, marine protected areas, territorial or national parks, or Inuit Owned Lands in conflict with the proposed power plant location.
Lot A - Proposed Power Plant	Municipal and Industrial Development	Municipal	The proposed lot is within the Municipality of Gjoa Haven and has been designated for industrial land use. A portion of the selected location is currently being used by Canadrill and XYZ Contractor as a storage location for sea cans, construction materials, unmarked drums, and drilling supplies/equipment.	An archaeological impact assessment will be carried out in summer 2021 to determine if archaeological sites are in potential conflict with the project and identify any necessary avoidance or mitigation measures	Within the Municipality of Gjoa Haven, on the east side of the community, outside the core community area. There are no natural drainages within 100 metres and no designated wildlife areas, marine protected areas, territorial or national parks, or Inuit Owned Lands in conflict with the proposed power plant location.

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Gjoa Haven	Hamlet Council	Hamlet of Gjoa Haven	2020-07-30
Gjoa Haven	Hamlet Council - Senior Administrative Officer	Hamlet of Gjoa Haven	2021-01-12
Gjoa Haven	Land Development, Senior Administrative Officer	Hamlet of Gjoa Haven	2021-05-18

Authorizations

Indicate the areas in which the project is located:

Kitikmeot

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Government of Nunavut, Community Government & Services	Lease agreement for new lot	Active		
Hamlets and Municipalities	Development Permit	Not Yet Applied		
Government of Nunavut, Community Government & Services	Building Permit	Not Yet Applied		
Transport Canada	Aeronautical Assessment (2021-344)	Active	2021-06-24	
Hamlets and Municipalities	Land application and lease agreement for new lot - applied 2021-05-18	Active		
Nunavut Water Board	Hydrostatic Test - Type B license for water use and disposal of test water	Not Yet Applied		
Other	NavCanada - Land Use Proposal Submission No Objection Letter received 2021-06-30	Active		
Other	Nunavut Airports Division - Project Review No Objection Letter Received - 2021-06-30	Active		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Construction labour and some materials will be transported to the community by air	
Water	Construction equipment and materials will primarily be transported to the community by sea lift	

Project accommodation types

Community

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Excavator	1		excavation as needed on-site
Backhoe	1		excavation as needed on-site, material collection
Bulldozer	1		material excavation and movement on-site
Grader	1		civil construction, level soil/gravel as needed
compactor machine	1		site compaction as required
articulated truck (dump truck)	1		transport of material to and from site
tower crane	1		lifting materials to height
Bored pile drilling equipment	1		pile construction
Boom Truck	1		lifting construction materials to height
Telehandler	1		carrying/transporting heavy loads
Fork lift	1		carrying/transporting materials
trailer	1		transporting materials to and from site
Concrete mixer	1		mix and pour concrete
Welding Machine	2		welding
Generator	4		Four generators will be installed in the power plant with a generating capacity of 3,100 kilowatts

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	1	0	0	Liters	Fuel will be required during construction for all equipment used on site. Fuel storage and handling during construction will be the responsibility of the contractor. Details regarding the location and volume of fuel storage and location of equipment refueling during construction are not known at this time. The

						contractor will be required to have a fuel management plan.
Diesel	fuel	2	90000	180000	Liters	Fuel will be used/stored at the power plant to run the generators. Fuel will be stored in above-ground horizontal fuel storage tanks.
solvent	hazardous	4	205	820	Liters	generator maintenance and operation
engine oil	hazardous	16	205	3280	Liters	generator maintenance and operation
propylene glycol	hazardous	1	2000	2000	Liters	power plant operations, heat transfer

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0	To be determined by the Contractor.	To be determined by the Contractor.

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Municipal and Industrial Development	Combustible wastes	unknown	Disposal of construction waste will be the responsibility of the contractor. If permitted by the Hamlet, some waste may be disposed of at the local landfill.	unknown
Municipal and Industrial Development	Combustible wastes	unknown	During operations, QEC will dispose of domestic waste in the local landfill if permitted by the Hamlet. Waste that is not permitted in the local landfill will be shipped south as part of QECs annual waste shipment.	none
Fuel and chemical storage	Hazardous waste	2,460 litres	Amount of liquid waste during operation will vary annually. Waste fuel/glycol will be collected in drums, stored within secondary containment and shipped south for disposal.	none
Municipal and Industrial Development	Non-Combustible wastes	200 litres	Amount of non-combustible waste generated during operation will vary annually. Material will be stored in quatrex bags or other appropriate containment and shipped south for disposal.	none
Municipal and Industrial Development	Non-Combustible wastes	unknown	Amount of non-combustible waste generated during construction is not known. Appropriate disposal of all non-combustible waste generated during construction will be the responsibility of the contractor.	none
Municipal and Industrial Development	Overburden (organic soil, waste material, tailings)	unknown	Disposal of overburden and soil/rock excavated	none

			for power plant to be determined by the contractor in communication with the Hamlet. Volume to be determined. If possible, some overburden material may be used to build up other areas within the plant site.	
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Environmental Impacts:

Please refer to the attached Project Description (Table 4). Note: The environmental impact identified for permafrost, sediment and soil quality, air quality, and noise levels should be negative/mitigable for the construction and operation phases of the Municipal and Industrial Development activity. The selection seems to change automatically to negative/non-mitigable every time this page is viewed.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

Please refer to the attached Project Description.

Description of Existing Environment: Biological Environment

Please refer to the attached Project Description.

Description of Existing Environment: Socio-economic Environment

Please refer to the attached Project Description.

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Please refer to the attached Project Description.

Cumulative Effects

Please refer to the attached Project Description.

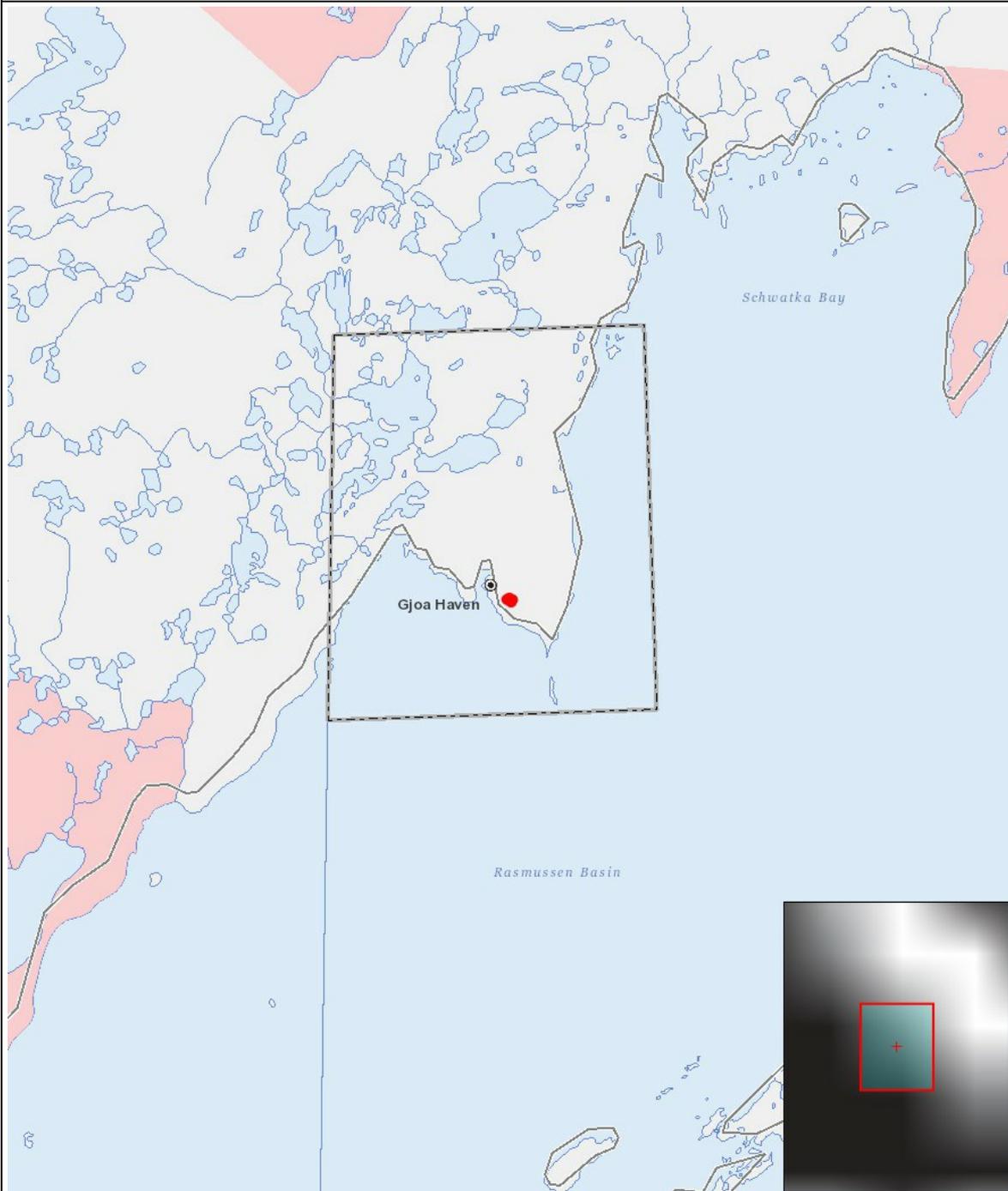
Impacts

Identification of Environmental Impacts

	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Construction																									
Fuel and chemical storage	-	-	N	-	-	-	-	-	N	-	N	N	-	-	-	-	-	-	-	U	P	-	P	-	
Municipal and Industrial Development	-	-	M	-	-	-	-	-	M	-	M	M	-	-	-	-	-	-	-	U	P	-	P	-	
Operation																									
Fuel and chemical storage	-	-	N	-	-	-	-	-	N	-	N	N	-	-	-	-	-	-	-	-	-	-	P	-	
Municipal and Industrial Development	-	-	M	-	-	-	-	-	M	-	M	M	-	-	-	-	-	-	-	-	-	-	P	-	
Decommissioning																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Location



List of Project Geometries

- | | | |
|---|---------|--|
| 1 | polygon | Lot A - Proposed Power Plant |
| 2 | point | FourCorners-GjoaHaven_Option1_Location |