

▷⁵ḅ_ḅ▷ḅ^ḅ: (867) 979-7526, ḅḅ^ḅḅ^ḅ: (867) 979-7519

$\epsilon_b \Delta^c \dot{\bar{N}}_0 \sigma^b \wedge c_n d\epsilon^f b^g d n d^a l^a \sigma^b$

١٦٤٠٢٣: The power plant in Kugluktuk is at the end of its useful life. Built in 1973, the building does not have the capacity to house more generators or yield more power to the community. QEC proposes to build a new power plant at a different location than the current plant with a higher power output and more efficient engines. The current fuel system is also at end of life so QEC proposes installing 2 engineered field erected vertical tanks within a lined berm. The construction phase will span two years and provide good employment opportunities for local labour. The power plant, outbuildings as well as the fuel system will be built at the industrial section of the hamlet near the current fuel tank farm with a 40 year expected lifespan and will provide a cleaner, more efficient production of diesel generation. The plant will also be built to integrate sustainable technologies for future power generation. A solar array will be built adjacent to the diesel plant to supplement the electrical capacity of the plant.

ᐅᐃᐱᓂᑦ: La centrale de Kugluktuk a atteint la fin de sa vie utile. Construit en 1973, le bâtiment n'a pas la capacité d'accueillir davantage de générateurs ou de produire plus d'électricité pour la collectivité. La SEQ propose donc de construire à un nouvel emplacement une centrale qui produira plus d'électricité et sera dotée de moteurs plus efficaces. Le système d'alimentation actuel étant également en fin de vie, la SEQ propose aussi de construire sur place deux réservoirs verticaux confinés par une berme à revêtement imperméable. La phase de construction s'étendra sur deux ans et offrira d'intéressantes possibilités d'emploi pour la main-d'œuvre locale. La centrale elle-même, ses dépendances et le système d'alimentation seront construits dans le secteur industriel du hameau, près du parc de stockage actuel. Elle aura une durée de vie projetée de quarante ans et assurera une production d'électricité au diésel plus propre et efficace. Enfin, la centrale sera conçue de façon à pouvoir intégrer des technologies durables en prévision de la production d'électricité future. Un générateur solaire sera érigé à proximité de la centrale diésel pour en augmenter la capacité électrique.

[illegible]

Inuinnaqtun: Tamna pauwaqarvik Kugluktukmi auladjutikhanga nuungunialiqtuq aulavikhanga. Napaqtitaivakhimayuuq 1973mi, tamna pauwaqarvikhangat naalimairyuqiliman auladjutikharnik igluakharnik ingniqutiryuanguit auladjaaluaqtitilimailiqtuq pauwakharnik talvunga nunalaamun. QECKut tukhiqtun napaqtigiangani nutaamik pauwaqarvikharnik allami nayugakhaani talvunga aularviangani pauwarvingmin taima anginirmik pauwaktuutikharnik auladjutikharnik ihuatqiyauyuniklu ingniqutikharnik piqaqtukhaq. Tamna aulayuq uqhuqyuaqarvikhangu auladjutikhanga nuunguliqtuq QECKut tukhiqpakhimayut iliugaiyukharnik marlungnik ingniqutikharnik hanahimayunik napaqtaugumik nalruiyukharnik qataqyuanguit piqarluni avataini kuvlakitutikharnik aihinun nunamun qataqyuqarvingmin. Tamna napaqtirutikhanga aulavakhanga aulaniaqtun marlungnik ukiunganik tunihimaarniaqturlu havaaqharnik nunalaani inungnun havaktiqarniaqtun. Tamna pauwaqarvikhaq, hilataaniit tukhat iglukhat unalu qataqyuanguit napaqtauniaqtun talvani hanagilivingmi nayugaani talvani hamilaatku haniani aulayutlu tapkuat

urhuqyuangat qataqyuangit nayugaani taima 40nik ukiuni aulaniaqtun tunihimaarniaqturlu halumayumik, ihuaqtumik pidjutikharnik urhuqyuanik ingniqutiqarniaqtuq. Tamna pauwarvikhaq napatitauniaqtuq ilauyukharnik atuqtauhiimaanginaqtun alrauyaqtuqtunik hivunirmi pauwaqarvikharnik ingniqutikharnik. Hiqinirmin auladjutikharnik napaqtauniaqturlu haniani talvani Urhuqyuaqarviit pauwaqarviani aulatitiyaangat ikumadjutikharnik katitirutikharnik talvani pauwaqarvikhaanun.

Personnel

Personnel on site: 32

Days on site: 350

Total Person days: 11200

Operations Phase: from 2019-07-15 to 2021-12-31

Operations Phase: from 2021-12-31 to 2049-12-31

Post-Closure Phase: from to

$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \hookrightarrow \Sigma \triangleleft^{\text{fb}} \mathcal{C}$ [illegible][illegible]

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ᖃᓴᓴᖃᔭᖃ	Lori Kimball, Deputy Minister, CGS	Community and Government Services	2018-05-01
ᖃᓴᓴᖃᔭᖃ	Donald LeBlanc	Hamlet of Kugluktuk	2016-11-22

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$a^b r^c \wedge c^d e^f d^g b^h$ በበፍጋር:

Kitikmeot

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Environment and Climate Change Canada	registration of bulk fuel storage system	Not Yet Applied		
Hamlets and Municipalities	Municipal Development Permit	Not Yet Applied		

Project transportation types

Transportation Type	Estimated Cost	Length of Use
Land	1/2 ton pickup truck	

Project accomodation types

$\mu_{\text{C}} \approx 96$

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Excavator	1	large	Perform civil work to prepare land for foundation
Loader	1	Large	Perform moving of equipment and materials during construction of power plant
Driller	1	2m X 3m x3m	Drill piles for foundation of power plant

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Diesel	fuel	1	205	205	Liters	Run heavy equipment
Diesel	fuel	2	90000	180000	Liters	Operate diesel generators
Ethylene Glycol	hazardous	5	1000	5000	Liters	Engine coolant

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2	Municipal truck delivery	Municipal water source

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 11: Municipal Development

[illegible]

This is land in the industrial section of town and most recently was the municipal gravel pit.

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Rock and gravel no plant life

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Commissioner's land ideal spot for a power plant due to the proximity of the fuel source

Miscellaneous Project Information

[illegible]

There are no immediate impacts from the construction of a power plant but due to operations storing and using diesel fuel real potential of impacts exist. Also generation, storage and transportation of liquid wastes poses threats to the environment. Mitigation measures include engineered controls and administrative controls. Fuel storage systems are designed with automated shut off during transfers to prevent overflow. All fuel and hazardous waste are stored with secondary containment to prevent entry into the natural environment. Visual checks are performed daily and recorded monthly and all staff are trained to prevent spills and leaks and to effectively respond in case of an incident. If a spill does occur we work with regional regulators to clean it up immediately and completely. This plant is unique in that funding is provided for a sizable solar array which will offset some quantity of diesel fuel.

Cumulative Effects

Due to the length of time a power plant is designed to operate, cumulative effects can build over time. Our practices include immediate and sustained response to incidents to mitigate the potential for cumulative effects due to operational activities.

Impacts

$\omega \rightarrow \omega \Delta^{\epsilon_b} C D \sigma^{\epsilon_c} \Gamma^c$ $\Delta^c \cap \Gamma D C \dot{\sigma}^c \dot{\gamma}^c$ $\Delta^b \dot{\gamma}^b C D \Gamma L \dot{\gamma}^c$

[illegible][illegible]

1	polygon	ForNPC
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