



September 28, 2023

Terence Hughes
Regulatory and Community Affairs Advisor
MGM Energy
Suite 4700, 888 3rd Street S.W.
Calgary, Alberta T2P 5C5

Dear Mr. Hughes:

RE: MGM Energy – Application for Water Licence - Langley K-30, Langley E-07 and Kumak I-25 Well Abandonment Program – Mackenzie Delta

The Inuvialuit Water Board (IWB) acknowledges receipt of the Water Licence Application package on September 19, 2023 for the Langley K-30, Langley E-07, and Kumak I-25 Well Abandonment Program in the Mackenzie Delta. The IWB has completed a preliminary review of the water licence application package, and as a result, a complete, revised water licence application package is required. This revised package should include the following additional information for the IWB to proceed with the processing of the water licence application:

A. Water Licence Application - Schedule C:

1. Section 1 - Mailing address provided in Schedule C, Item 1 is different from the mailing address provided in the Project Description, Page 2-1, Section 2, Table 2-1. Clarify these discrepancies.
2. Section 3 - Indicated: "see attached maps" for the latitude and longitude of the undertaking, but no maps are attached to indicate the latitude and longitude of the project locations. The applicant should provide Global Positioning System (GPS) coordinates in Degree, Minute, Second (DMS) for each project site. Due to inconsistencies among individual GPS units, it is recommended to utilize Google Earth latitude and longitude as the GPS points.
3. Section 6 – Indicated: "To obtain water" and "To cross a watercourse". Please provide the following information associated with watercourse crossings on the overland ice roads:
 - i. A plan of the crossings showing cross-sections, elevations, width of the watercourses at the ordinary high-water mark at the point of crossing;
 - ii. A description of the existing bed and banks of the watercourses;
 - iii. Any available data on the water flow of the watercourses; and
 - iv. GPS coordinates (Latitude and Longitude in DMS) at the point of the watercourse crossing on the overland ice roads, along with a map.
4. Section 8 – A detailed "Waste Management Plan" is required, as requested in Item E below.
5. Section 9: This section has been left blank. Please provide information about any other persons or properties affected by this undertaking, including their names, mailing addresses, and locations. Attach a list if necessary. If this information is not applicable, indicate "None" or "Not Applicable".

6. Section 11 – Indicated “To be determined”. If the names, addresses, and functions of the contractors and subcontractors are not available at this time, please provide a timeline indicating when the applicant will submit this information to the IWB.
7. Section 12 - Indicated “see attached” but no list of studies undertaken has been attached. Please attach the list of studies.
8. Section 13 – The applicant has not signed the application. The application must be signed by the applicant to make it valid.
9. Section 13 – Dated May 24, 2019. Please indicate the present date of signing.

B. Project Description:

1. Cover Page - Replace “Submission to the Environmental Impact Screening Committee” with “Submission to the Inuvialuit Water Board”.
2. Cover Page - Replace submission date “January 24, 2019” with current submission date.
3. Cover Page – Add “Project Description”
4. Page i and throughout the document - Replace header “Langley K-30, Langley E-07 and Kumak I-25 Well Abandonment Program Submission to the Environmental Impact Screening Committee” with “Langley K-30, Langley E-07 and Kumak I-25 Well Abandonment Program Submission to the Inuvialuit Water Board”. Also replace the date “January 24, 2019” with “current submission date to the IWB”.
5. Page i, Executive Summary – under section “Location”, include GPS Coordinates (Latitude and Longitude in Degree, Minute, Second, (DMS)) of the wells K-30, E-07 and I-25. Due to inconsistencies between individual GPS units, please utilize Google Earth latitude and longitude (DMS) as the GPS points.
6. Page ii under section “Other Approval” bullet 1: The Department of Environment and Natural Resource (ENR) and Department of Lands (DoL) have amalgamated and renamed as Department of Environment and Climate Change (ECC). Therefore, replace “Government of Northwest Territories (GNWT) Department of Lands” with “Government of Northwest Territories (GNWT) Department of Environment and Climate Change (ECC) – Lands and Waters Division”.
7. Pages ii and 6-12 - Canada Energy Regulator (CER) has replaced the National Energy Board (NEB). Therefore, replace “NEB” with “CER”.
8. Page ii under section “Other Approval” bullet 4: The GNWT Department of Infrastructure (INF) has replaced the GNWT Department of Transportation (DOT). Therefore, replace “GNWT DOT” with “GNWT INF”.
9. Page iii under section “Meetings and Correspondence” – Replace “GNWT Department of Lands” with “GNWT Department of Environment and Climate Change - Lands and Waters Division”.
10. Pages v, vi, 6-5, 6-14, 13-13, 13-16, 15-1 and 16-1 – For clarity and to align with Waters Regulations s.5(2)(g), and GNWT Spill Contingency Planning and Reporting Regulations - replace “Spill Response Plan” with “Spill Contingency Plan”.
11. Pages vii and 6-5: Replace “Department of Environment and Natural Resources (ENR)” with “Department of Environment and Climate Change (ECC)”.
12. Page xv Abbreviations – Include GNWT Environment and Climate Change (GNWT ECC) and Canada Energy Regulator (CER).
13. Page 2-1, Table 2-1; Column 1, Row 2: Mailing address provided in this table differs from mailing address indicated in Schedule C, Item 1. Please clarify these discrepancies.
14. Page 4-1, paragraph 1: Text to be revised as “MGM submitted the Project Description (PD) for screening to the Environmental Impact Screening Committee (EISC) under the terms of the Inuvialuit Final Agreement (IFA), and the EISC decision is included with the Water Licence Application Package”.

15. Page 4-1, Table 4-1: Please update this table to replace "Government of the Northwest Territories (Department of Lands)" with "Government of the Northwest Territories (Department of Environment and Climate Change – Lands and Waters Division)"; and replace "Department of Transportation (Government of Northwest Territories)" with "Department of Infrastructure (Government of Northwest Territories)". Also replace "National Energy Board (NEB)" with "Canada Energy Regulator (CER)".
16. Page 5-1, Table 5-1: Include GPS coordinates (DMS) of each well. Note: Due to inconsistencies among individual GPS units, it is recommended to utilize Google Earth latitude and longitude as the GPS points. Also depict the GPS coordinates of each well in Figure 5-1.
17. Page 6-1, Section 6.2, bullet 4: Please submit a detailed "Remediation, Closure and Monitoring Plan" separately, as requested below in Item G.
18. Page 6-5, paragraph 2 from the top of the page: Provide the name and GPS coordinates (DMS) for each water source used for withdrawing water for purposes such as overland ice road construction, ice pad construction, camp setup, etc., including a map depicting the intake locations for water withdrawal for each waterbody along with their GPS coordinates.
19. Page 6-9, Table 6-2: Include the name and GPS coordinates (DMS) for each water source intake used for withdrawing water.
20. Page 6-13 Table 6-5: Include the name and GPS coordinates (DMS) of each intake for the water sources from which water is to be withdrawn, along with a map depicting the water withdrawal intakes of each waterbody, including their GPS coordinates.

C. Spill Contingency Plan (SCP):

1. Cover Page – For clarity and to align with Waters Regulations s.5(2)(g) and GNWT Spill Contingency Planning and Reporting Regulations, replace "Spill Response Plan" with "Spill Contingency Plan". Also replace "November 2018" with the current submission date – e.g.: September 2023.
2. Page 2, Sections 3.0, Table 1 – Include the GPS coordinates of the wells K-30, E-07, and I-25. Note: Due to inconsistencies among individual GPS units, it is recommended to utilize Google Earth latitude and longitude as the GPS points. Please clarify why the Unipkat M-45 is included in this table. According to the information provided in Schedule C, Section 3, and throughout the project description, the M-45 well is not included.
3. Include the following information in the Spill Contingency Plan (SCP):
 - i. Effective date of plan.
 - ii. Distribution list.
 - iii. Purpose of the SCP.
 - iv. Details on how to obtain additional copies of the SCP.
 - v. Map(s) showing the following: buildings, roads, culverts, airstrips and other infrastructure; all surface water bodies and direction of water flow including catchment basins; storage locations of each hazardous material; probable spill locations and direction of flow on land and in water; locations of all response equipment; environmentally sensitive areas; any approved disposal sites; topography; and any other important on or off-site features.
 - vi. List of type and estimated amount of hazardous materials normally stored on-site, the storage capacity and the type and number of storage containers. The storage locations for each of these materials should appear on the map of the site. Material Safety Data Sheets (MSDS) for each hazardous material should be included in the Appendix.
 - vii. Contact information for media and public enquiries.

- viii. Identify personnel, their duties, on or off-site work locations and contact information, including 24-hour telephone numbers for those responsible for activating the plan.
4. Provide a flow chart to depict communication lines and the response duties of each member of the response team.
5. Provide a summary of available communication equipment.
6. Describe the potential spill sizes and sources.
7. Describe the potential impacts related to that spill.
8. Describe the worst-case scenario for the site.
9. Appendix C includes the Emergency Spill Response Procedure - Spill Response Guideline for initial response actions only for hydrocarbon spills. Please include descriptions of procedures for the initial actions in the event of spills of sewage waste (grey and black water) from onsite storage tanks and vacuum trucks, as well as for spills of antifreeze or any other chemicals or hazardous materials / waste.
10. Include the telephone number of company officials, off-site response contractors and government officials who can provide technical assistance.
11. Describe instructions for when and how to report spills to NWT 24-Hour Spill Report Line.
12. If the public may be impacted by a spill, include notification procedures to alert the public.
13. Describe the procedures for containing and cleaning up the spills on water, on land, and on ice/snow.
14. Describe the procedures for transferring, storing, and managing spill-related wastes such as petroleum products, antifreeze, sewage waste, etc.
15. Appendix D provides the inventory for spill response containers located in Inuvik. The Spill Contingency Plan Page 3, section 7.0 includes only the list of manpower. Under this section, the applicant should provide details of the other resources such as on-site spill kits and content, equipment specific to chemical spills, equipment specific to fuel spills, equipment specific to sewage transfer spills, earth moving and other equipment.
16. Include the off-site resources.
17. Provide a description of the record keeping procedures that documents which employees have received training and when training was received.

D. Environmental Protection Plan (EPP):

1. Include name and key contacts of the applicant (e.g. Phone, email, mailing address).
2. Page 2 Section 1.1, line 2 – Replace “NEB” with “CER”.
3. Page 4, Table 1: Is the personnel contact information provided on Page 4, Table 1, up to date? If not, please update Table 1 with the current information.

E. Waste Management Plan:

A brief description has been provided regarding waste management in the Project Description, Sections 6.4.5, 6.4.8, and Appendix C (Waste Management Table). Please submit a “Waste Management Plan” separately, including but not limited to:

1. Introduction,
2. Name and key contacts of the applicant (e.g. Phone, email, mailing address);
3. Geographical outline of the area covered by the plan including GPS Coordinates of the Camps and waste storage locations;
4. General description of the operation and facilities covered by the plan;
5. A plan showing the location of camps (e.g., sleigh camps, well site camps, barge camp, etc.) including camp capacity;

6. A description of the undertaking and of all wastes produced and chemicals used in the operation of the undertaking;
7. Description of treatment and disposal technology and facilities;
8. Types and estimated quantity of hazardous and non-hazardous wastes to be generated or managed;
9. Rate of deposit, timing of deposit, frequency of deposit, duration of deposit, anticipated constituents of the deposit, methods proposed for the storage of wastes;
10. Actions to be taken to reduce, collect, store, treat, reuse, recycle and dispose of wastes;
11. Final waste disposal or reuse methods and locations;
12. A copy of each agreement(s) or letter(s) between the applicant and third parties where the third party has agreed to store, transport or dispose of each waste type (e.g. barge camp wastes, contaminated soil, any other hazardous and non-hazardous wastes) including:
 - a) type and quantities of waste; and
 - b) disposal location(s) and proof of acceptance from third parties.
13. The Project Description on Page 6-14, Section 6.5.6, paragraph 2 indicates onsite incineration of the waste. The applicant should include an Incinerator Management Plan within the Waste Management Plan, including but not limited to:
 - i. Introduction and objective;
 - ii. Selected incineration technology and rationale for selection;
 - iii. A description of waste streams intended for incineration;
 - iv. A description of recycling and waste segregation plans that control waste entering the incinerator;
 - v. Operator training and qualifications, and the use of trained and designated operators;
 - vi. Procedures for operation and maintenance, including record-keeping (i.e. completion of burn cycle and maintenance logs, and recording of the weight of each waste load charged to the incinerator);
 - vii. A reporting requirement to summarize the tracking and record-keeping component;
 - viii. Weigh scales to record the weight of each load charged to the incinerator;
 - ix. Storage, testing and final disposal location of the residual ash from the incinerator;
 - x. Site location map of the incinerator including GPS Coordinates; and
 - xi. Incinerator specifications.

F. Erosion and Sediment Control Plan

The applicant is required to submit an Erosion and Sediment Control Plan (ESCP).

G. Reclamation, Closure and Monitoring Plan

The applicant is required to submit a Reclamation, Closure and Monitoring Plan (RCMP).

As per the IWB document submission standards, please submit **two (2) hard copies and two (2) electronic copies (USBs)** of the requested revised water licence application package, along with a cover letter and a summary table indicating how and where (e.g., page and section numbers) the requested information is addressed. This will assist the IWB with the continuation of processing your water licence application in a timely manner. Please note that the plans specified in items C to G above are stand alone documents. Therefore, please submit these plans separately.

The Inuvialuit Water Board (IWB) Document Submission Standards can be found on the IWB website:

https://www.inuvwb.ca/sites/default/files/200401_iwb_document_submission_standards.pdf

The submitted documentation, including all related IWB correspondence, will be placed on the IWB Public Register. Should you have any questions regarding this correspondence, contact me at 867-678-8610 or adhikarib@inuvwb.ca or Mardy Semmler, Executive Director, at 867-678-8609 or semmlerm@inuvwb.ca.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bijaya Adhikari', with a horizontal line under the name.

Bijaya Adhikari, PhD
Science and Regulatory Coordinator