NORTHWEST TERRITORIES WATER BOARD

ONSHORE OIL AND GAS EXPLORATION DRILLING QUESTIONNAIRE

FOR

WATER LICENCE APPLICATIONS

Prepared by:
Department of Indian Affairs and Northern Development
Water Resources Division
August 1999
Version 5.07

Introduction

The purpose of this questionnaire is to solicit supplemental information from an applicant to support their application for a water licence (or renewal). It is anticipated that the completion of this questionnaire will reduce delays arising from the Northwest Territories Water Board having to solicit additional information after an application has already been submitted. This information will also be useful during the environmental assessment and screening of your application, which must be undertaken prior to development and approval of a water licence.

The applicant should complete the questionnaire to the best of his/her ability, recognizing that some questions may not be relevant to the project under consideration. For questions that do not relate to his/her operation, the applicant is requested to indicate "N/A" (Not Applicable).

If any questions arise while completing the questionnaire, the applicant may wish to contact the Northwest Territories Water Board at (867) 669-2772. If your question is that of a technical nature please contact the Regulatory Approvals Section of the Water Resources Division, Department of Indian Affairs and Northern Development (INAC), at (867) 669-2651.

Chairman, Northwest Territories Water Board

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If space is insufficient for any of the responses on this questionnaire, use the back of the sheet or attachments.

List attachments in Appendix 1.

Print or type your responses.

SECTION 1:

PRELIMINARY SITE ASSESSMENT

DATE:	October 20, 2000
1.1	APPLICANT
	COMPANY NAME: Chevron Canada Resources
	ADDRESS: 500-5 th Avenue S.W.
	Calgary, Alberta
	T2P 0L7
	PROPERTY NAME/EXPLORTION LIC. #: #385 and #395
	CLOSEST COMMUNITY: Inuvik
	LATITUDE/LONGITUDE OF WELL CENTRE (Degrees, minutes, seconds): Project area: Latitude 68°30'- 69°09'N Longitude 133°42'- 135°09'W
1.2	PRIMARY COMPANY CONTACT:
	NAME: Kevin Williams
	TITLE: Geophysicist
	CONTACT NUMBER: (403) 234-5403
	ALTERNATE CONTACT NUMBERS:
1.3	FIELD CONTACT:
	NAME (If known): Bob Dreaver
	TITLE (If known): Project Manager, Geco-Prakla
	CONTACT NUMBER: (403) 509-4486
1.4	INDICATE THE STATUS OF THIS APPLICATION:
	NEW APPLICATION X RENEWAL
	IF RENEWAL, INCLUDE LICENCE NUMBER:

1.5 SITE HISTORY

	INDICATE IF THIS SITE CONTAINS ANY KNOWN:			
	FORMER WELL SITES			
	WASTE DUMPS			
	FUEL AND CHEMICAL STORAGE AREAS			
	SUMP AREAS			
	WASTE WATER DISCHARGE LOCTIONS			
	DESCRIBE SITES AND REFERENCE THEM ON THE MAP IN QUESTION 1.6			
1.6	ATTACH MAPS DRAWN TO SCALE SHOWING LOCATIONS OF EXISITNG AND PROPOSED:			
	CAMP FACILITIES,			
	WELL SITE(S),			
	SUMPS,			
	WATER SOURCES,			
	FUEL AND CHEMICAL STORAGE FACILITIES,			
	DRILLING MUD STORAGE FACILITIES,			
	DRAINAGE CONTROLS,			
	TRANSPORATION ROUTES (SEASONAL AND ALL WEATHER)*,			
	ELEVATION CONTOURS,			
	LOCATIONS OF WATERBODIES			
	DRAINAGE PATTERNS FOR WELL AND CAMP SITES.			
	* Clearly identify crossings over water courses greater than 5 mat ordinary high water mark.			
	See attached Project Description.			
1.7	DESCRIBE THE PROPOSED OR CURRENT METHOD OF FRESHWATER WITHDRAWL, THE TYPE AND OPERATING CAPACITY OF THE PUMPS USED AND THE INTAKE SCREEN SIZE.			
	Water for ice access, building snow ramps, and possibly a supplementary camp source, will			
	be obtained from channels of the Mackenzie River. Water withdrawal rates are not expected			
	to exceed 100 m ³ /day. Intake hoses will be screened with 1.3 cm (0.5") wire mesh.			

	Less than 1% draw down.					
INDICATE IF PERMAFROST IS EXPECTED TO BE ENCOUNTERED UND						
CAMP FACILITIES	X					
WELL SITE	N/A_					
ACCESS ROUTES	X					
SUMPS	N/A					
OTHER	_N/A					
	ENCOUNTERING ARTESIAN AQUI E SURFACE HOLE (TO CASING DE					
N/A						
N/A						
N/A						
N/A						

SECTION 2:

	Source	Use	Average Volume (m³
1.	Mackenzie River	ice access	100m³/day
2.	Mackenzie River	building snow ramps	100m³/day
3.	Mackenzie River	possible supplementary camp source	100m³/day
4.			
			TOTAL: 100m ³ /c
IF	YES YES, INDICATE SUBST	NO	X
·	YES, INDICATE SUBST		
	YES, INDICATE SUBST	TANCES:	
IN	YES, INDICATE SUBST	CSTIMATED VOLUME OF DE	ILLING WASTES
IN	YES, INDICATE SUBST	CANCES: CSTIMATED VOLUME OF DE CUBIC METRES	ILLING WASTES
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IN	DICATE THE TOTAL E DICATE METHODS FO SUMP X DOWN HO X ON-SITE T	CANCES: CSTIMATED VOLUME OF DE CUBIC METRES OR DISPOSAL OF DRILLING OLE (REQUIRES NEB APPROV	WASTES. AL) – DRILL CUTTINGS
IN	DICATE THE TOTAL E DICATE METHODS FO SUMP X DOWN HO X ON-SITE T	CANCES: CSTIMATED VOLUME OF DE CUBIC METRES OR DISPOSAL OF DRILLING OLE (REQUIRES NEB APPROVITE PLANT) (GIVE LOCATION ANDMETH	WASTES. AL) – DRILL CUTTINGS
IN	DICATE THE TOTAL E DICATE METHODS FO SUMP X DOWN HO X ON-SITE T OFF-SITE See project description.	CANCES: CSTIMATED VOLUME OF DE CUBIC METRES OR DISPOSAL OF DRILLING OLE (REQUIRES NEB APPROVITE PLANT) (GIVE LOCATION ANDMETH	WASTES. AL) – DRILL CUTTINGS OD OF DISPOSAL)

SURFACE DRAINAGE CONTROLS, ABANDONMENT PROCEDURES.

	YES X	NO	
2.7	IF YES, THEN INDICATE THE CAPACIT NUMBER OF PERSONS THAT WILL BE		
	CAPACITY	71	PERSONS
	MAXIMUM ACCOMMODATED	85	PERSONS

WILL A CAMP BE PROVIDED?

2.6

SECTION 3:

CONTINGENCY, ABANDONMENT AND RESTORATION PLANNING

- 3.1 ATTACH THE PROPOSED OR EXISTING CONTINGENCY PLAN WHICH DESCRIBES COURSE OF ACTION, MITIGATIVE MEASURES AND EQUIPMENT AVAILABLE FOR USE IN THE EVENT OF SYSTEM FAILURES AND SPILLS OF HAZARDOUS MATERIALS (IN COMPLIANCE WITH NWT WATER BOARD GUIDELINES FOR CONTINGENCY PLANNING, 1987).

 See attached Project Description.
- 3.2 ATTACH AN INVENTORY OF HAZARDOUS MATERIALS ON THE PROPERTY (AS DEFINED UNDER TRANSPORTATION OF DANGEROUS GOOD REGULATIONS).

 See attached Project Description.
- 3.3 ATTACH AN OUTLINE OF PLANNED ABANDONMENT AND RESTORATION PROCEDURES.

See attached Project Description.

SECTION 4:

ENVIRONMENTAL ASSESSMENT AND SCREENING

Your application and other project details, such as this questionnaire, will be sent out for review by local aboriginal and public groups as well as territorial and federal government agencies. Their comments regarding the significance of project impacts are considered before a decision is made to allow the project to proceed. Because formal assessment and screening of water licences was only initiated in about 1989, applicants will find that this process may be required even if the project has been built and in operation for several years. However, if your project has been previously screened a further assessment may not be required, or a more limited process may be used. This will depend on individual circumstances, including the stage of the project. Some projects may need a higher level of review or submission of more information before being screened.

4.1	HAS THIS PROJECT EVER UNDERGONE AN INITIAL ENVIRONMENTAL ASSESSMENT, INCLUDING PREVIOUS OWNERS?
	YES X NO
	IF YES, BY WHOM / WHEN: EA by Inuvialuit Environmental Inc., October 2000 See attached Project Description.
4.2	HAS BASELINE DATA BEEN COLLECTED FOR THE MAIN WATER BODIES IN THE AREA?
	YES X NO
	IF YES, ATTACH DATA. See attached Project Description.
4.3	HAS BASELINE DATA BEEN COLLECTED AND EVALUATED WITH RESPECT TO THE BIOPHYSICAL COMPONENTS OF THE ENVIRONMENT POTENTIALLY AFFECTED BY THE PROJECT (WILDLIFE, SOILS, AIR QUALITY).
	YES X NO
	IF YES, ATTACH DATA. See attached Project Description.
4.4	ATTACH A DESCRIPTION OF ALL PROPOSED AND EXISTING ENVIRONMENTAL MONITORING PROGRAMS. See attached Project Description.
4.5	HAS A COMMUNITY CONSULTATION PROGRAM BEEN INITIATED?
	YES X NO
	IF YES, PROVIDE DETAILS OF THE PROGRAM. See attached Project Description.

SECTION 5:

LIST OF ATTACHMENTS

Reference to Question #	Title	Number of pages
1.6	Maps	See attached project description
1.11	Surficial geologic and hydrogeologic conditions	See attached project description
2.4	Disposal of drilling wastes	See attached project description
3.1	Contingency Plans	See attached project description
3.2	Hazardous Materials	See attached project description
3.3	Abandonment and Restoration	See attached project description
Section 4	Environmental Assessment and Screening	See attached project description