



CAMP FAREWELL EMERGENCY RESPONSE PLAN

December 2000

AMENDED OCTOBER, 2002

AMENDED MAY, 2003

AMENDED JULY, 2003

Amended January 2006

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FAREWELL EMERGENCY RESPONSE PLAN

This is a controlled document.

This general emergency response plan includes spill contingency plans for liquid, sewage and solid materials. It is effective from November 1, 2005 to October 31, 2008 or until an amendment is issued whichever is sooner. It applies to Camp Farewell which is located in the Northwest Territories along the east shore of the Mackenzie River – Middle Channel, 50 km downstream from Tununik Point at Longitude 69°-12'-30" and Latitude 135°-06'-04". License number from Northwest Territories Water Board is N7L1-1762 License type B

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FAREWELL EMERGENCY RESPONSE PLAN

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FAREWELL EMERGENCY RESPONSE PLAN

1.0 PURPOSE

The following document is intended to serve as a template for use in the development of Site-Specific General Emergency Response Plans (ERP's) within the Wells, Approvals and Seismic Operations (WA&SO) Department within Shell Canada Limited E&P.

ERP's are to be continually revised and updated to include relevant site-specific emergency response information. Revisions / updates to the ERP will be completed prior to initiating any phase of a program (i.e. Construction, Drilling, Well Services, Seismic Operations, etc).

2.0 SCOPE

All emergencies other than H₂S gas (sour gas) related emergencies are addressed in this ERP template. For projects where sour gas has been determined as a potential threat (see 3.0 Hazard Assessment) the ERP for this specific threat shall be covered in separate Site-Specific Sour Gas Drilling, Completions, Testing ERP.

WA&SO's Site-Specific General ERP is to be used in conjunction with the E&P Model ERP. The E&P Model ERP contains supporting information and forms that can be used in conjunction with this document.

3.0 HAZARD ASSESSMENT

Prior to developing a Site-Specific General ERP, a hazard assessment shall be conducted to determine potential emergency scenarios (hazards / threats). There are several activities within WA&SO that can provide information regarding potential emergency scenarios. Determine which activities are applicable to the project that will aid in determining potential emergency scenarios.

- HSE&SD Process
- DWOP
- CWOP
- Planning Meeting
- Pre-Spud Meeting
- _____
- _____

Section 11.0 shall be revised to reflect the emergency scenarios identified in the hazard assessment.

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4.0 PUBLIC CONSULTATION AND COMMITMENTS

WA&SO conducts an extensive public consultation program as part of the licensing and approval process for all projects. Information regarding to public commitments related to emergencies and special resident needs shall be included in the WA&SO Site-Specific General ERP. New information shall be captured in the space provided below.

<p>4.1 Public Consultation and Commitments</p>	<p>Note: Public data shall be kept strictly confidential. Access to this information is on a need to know basis only.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
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5.0 GENERAL EMERGENCY RESPONSE EQUIPMENT

Emergency Response Equipment requirements shall be identified based on the realistic potential emergency scenarios identified in the Hazard Assessments. It is important to ensure that the equipment provided meet the requirements to effectively manage an emergency.

<p>5.1 Emergency Response Equipment</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> first aid kit Level / Type-<i>determine based on # personnel on site.</i> <input checked="" type="checkbox"/> first aid room <input type="checkbox"/> resuscitator <input checked="" type="checkbox"/> stretcher <input type="checkbox"/> high angle rescue equipment <input checked="" type="checkbox"/> emergency conveyance vehicle <input checked="" type="checkbox"/> fire extinguishers <input checked="" type="checkbox"/> burn kit <input checked="" type="checkbox"/> eye wash stations <input checked="" type="checkbox"/> shower facilities <input type="checkbox"/> flares / flare gun <input checked="" type="checkbox"/> communication equipment <input type="checkbox"/> _____ <input type="checkbox"/> _____
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6.0 MEDICAL INFORMATION

All workers should provide personal medical information to be used in the event of a medical emergency. All workers, upon arrival onsite, will fill out the medical information form (Appendix II) to be submitted to the Medic. If a Medic is not available, the Onsite Shell Representative shall keep the sensitive information in a sealed envelope. Medical information is to be kept strictly confidential and will be destroyed at the end of each project. By signing the form, the worker is authorizing this information to be released to the Medic or other medical personnel during a medical emergency. For further information, refer to Shell's Privacy Policy.

7.0 TRAINING

Emergency Response training requirements shall be fulfilled prior to work to ensure an effective response to potential emergency scenarios. Training will include the use of/and maintenance of emergency response equipment, contact information, roles and responsibilities, communication equipment, etc. Each person's qualifications shall be verified.

7.1 Training	<input checked="" type="checkbox"/> emergency first aid	Name: _____
	<input type="checkbox"/> standard first aid	Name: _____
	<input checked="" type="checkbox"/> EMT-P	Name: _____
	<input checked="" type="checkbox"/> Incident Command System	Name: _____
	<input checked="" type="checkbox"/> fire fighting (dry chem.)	Name: _____
	<input type="checkbox"/> confined space	Name: _____
	<input checked="" type="checkbox"/> spill response	Name: _____
	<input type="checkbox"/> _____	Name: _____
	<input type="checkbox"/> _____	Name: _____

8.0 TRAVEL INSTRUCTIONS

Directions to the worksite need to be documented and posted throughout the worksite to ensure the safe and timely arrival of emergency support equipment and personnel (i.e. ambulance, fire-fighting equipment, etc.). The Emergency Contact Information Sheet (Section 9) will have an area designated for directions. The directions shall be clear and concise.

Contact information shall be specific to the working area of the project. Specific numbers shall be verified to ensure the proper response can be asserted.

FAREWELL EMERGENCY RESPONSE PLAN**9.0 EMERGENCY CONTACT INFORMATION SHEET**

PROJECT: Farewell Camp & Stockpile
 LOCATION : 110 kms NW of Inuvik, NWT

LAT : 69° 12' 35.09"
 LONG : 135° 06' 17.29"

DIRECTIONS : By Air 110kms NW of Inuvik or by Ice/Water using East & Middle Channels of the Mackenzie River. Turn left at Bar C.

RADIO FREQUENCIES : Receive Transmit
 AIR TO GROUND: 130.275 MHz

NOTE: FAREWELL IS CURRENTLY SHUT DOWN AND NOT OCCUPIED- THEREFORE NO LOCAL PHONE NUMBERS.

WORKSITE CONTACTS	NAME	PHONE	FAX
On Site Shell Supervisor 1		867 777-	867 777-
On Site Shell Supervisor 2		867 777-	867 777-
Camp Supervisor		867 777-	867 777-
Yard Supervisor		867 777-	867 777-
MEDIC		867 777-	867 777-

PRIMARY OFFICE CONTACTS		PHONE	FAX
Shell Canada Limited		1 800 661-7378	
Shell Office Based Supervisor		403 [b]	403 269-7948
	Cellular	403 [c]	403 269-7895
	Residence	403 [r]	
DAR/Construction Manager	Randall Warren	403 691-2521[b]	403 269-7948
	Cellular	403 813-0408[c]	403 269-7895
	Residence	403 230-2662[r]	
HSE Team Leader	Roger Leadbeater	403 691-3295[b]	403 269-7948
	Cellular	403 519-4138[c]	403 269-7895
	Residence	403 285-1923[r]	
FOR OTHER WA&SO NUMBERS, SEE WA&SO PHONE LIST			

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HOSPITAL			
INUVIK	867 777-8161 Emergency Room	867 777-8000 Switchboard	867 777-8062 Fax
RCMP			
INUVIK	867 777-1111		
FIRE			
INUVIK	867 777-2222		
AMBULANCE			
INUVIK	867 777-4444		
AIRCRAFT SUPPORT			
Canadian Helicopters	Inuvik	867 777-2424 or 867 678-0091	867 777-3448[f]
Aklak Air	Inuvik 24hr Office Hours	867 777-3555 or 867 777-3777	867 777-3388[f]
INFORMATION SERVICES			
Alberta Poison Center		1 800 332-1414	
CANUTEC		1 613 996-6666 Emergency	1 613 992-4624 Information

WORKPLACE HEALTH AND SAFETY			
NWT WCB	24hr	1 800 661-0792 1 867 920-3888	1 866 277-3677[f] 1 867 873-4596[f]
ENVIRONMENTAL REPORTING			
NWT Spill Reporting	24hr	867 920-8130	867 873-6924[f]
EMERGENCY MANAGEMENT			
INDIAN & NORTHERN AFFAIRS			
Inuvik Office		867 777-3361[b]	867 777-2090[f]
ENVIRONMENT CANADA			
Spill Response - Canadian Wildlife Service	24hr Pager	867 920-5131 Leave message	
ENVIRONMENT AND NATURAL RESOURCES - NWT			
Environmental Protection Division	General	867 873-7654	867 873-0221[f]
Wildlife Division - Inuvik	Manager – Wildlife & Fisheries	867 777-7230[b] 867 777-1185[c] 24hr	867 777-7321[f]

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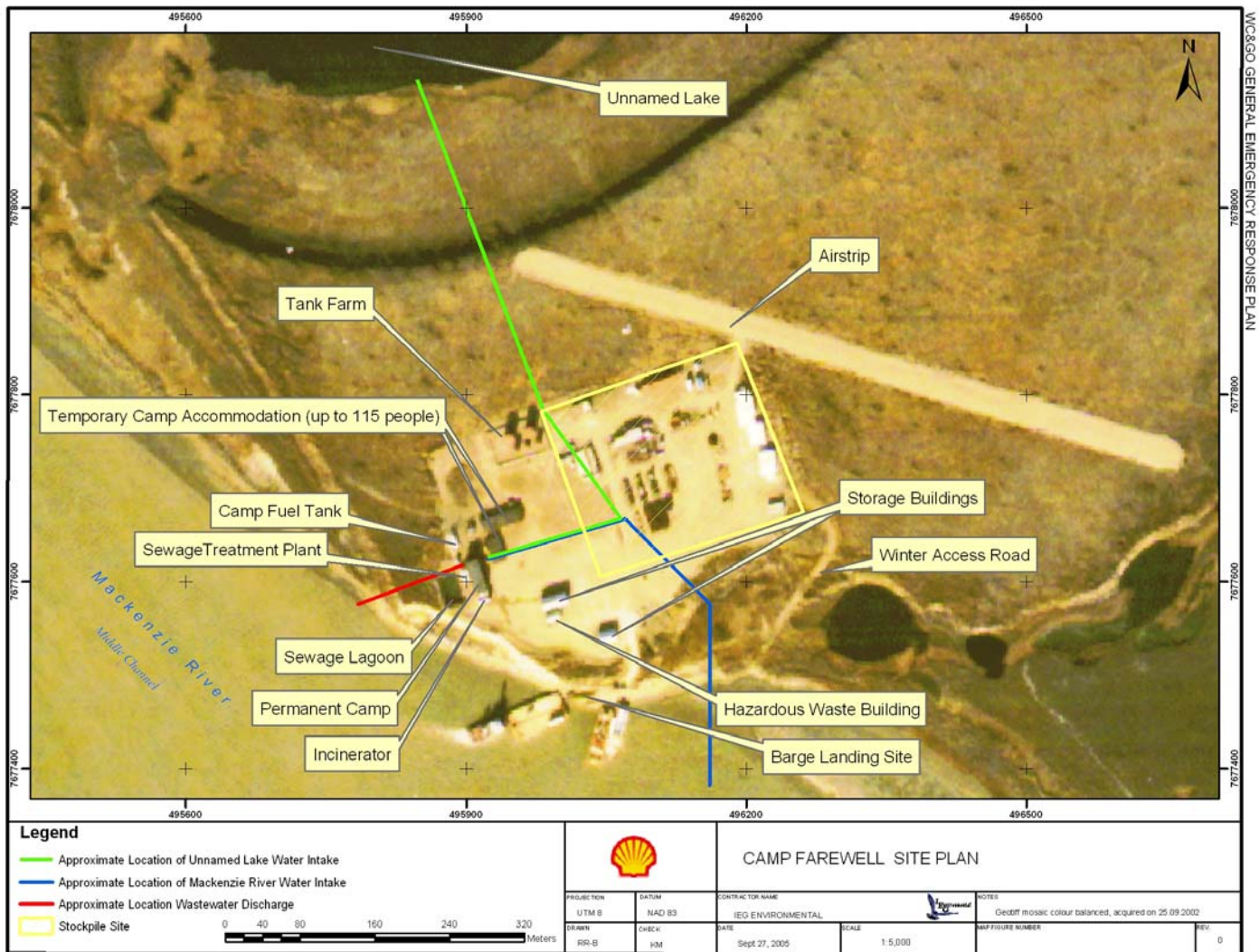
TRANSPORTATION SAFETY BOARD / NATIONAL ENERGY BOARD			
Transportation Safety Board	THE TSB WILL NOTIFY NEB OR OTHER APPLICABLE DEPT.	1 819-997-7887	
NEB General Inquiries		1 800 899-1265	
FISHERIES & OCEANS CANADA			
CCG Regional Operations Center (ROC)		1 800 265-0237 24HR	

SHELL CRISIS MANAGEMENT TEAM (CMT)			
E&P Crisis Manager	1 888 361-8055 [Pager #44204]		
E&P Core CMT (Crisis Management Team)	1 888 361-8055 [Pager #44298]		
SHELL OPERATIONS TECHNICAL ADVISORY CENTRE			
Shell Centre, Calgary, Room 902	403-691-3104 [b]		
WA&SO HEAD OFFICE CALGARY			
Manager, WA&SO David Todd	403-691-2700 [b]	403-660-6900[c]	1-888-361-8055 [PAGER #44202]
PUBLIC AFFAIRS			
Adrienne Lamb	403-691-4978 [b] 403-606-4205 [C]	1-888-361-8055 [PAGER #44262]	403-269-8031[f]
Laurieanne Lynne	403-691-3892 [b] 403-680-2654 [C]	1-888-361-8055 [PAGER #44290]	403-269-8031[f]

SHELL EMERGENCY COMMUNICATIONS TRAILER			
CUSTODIAN : C&V – Trailer Yard, Calgary	Doug Delorme	403-620-0442 24hr	403-279-7451 Message
COMMUNICATIONS			
OPERATOR:	Clearing lines or line interruption	0	
Shell Contact :	Ian Lucas	403-691-4049 [b] 403-542-4755 [c]	403-691-3985 [f]
NewNorth Networks	Tom Zubko	867 777-2111 [b] 867 777-6190 [c]	867 777-3412 [f]
SPILL SERVICES			
Mackenzie Delta Spill Response Corp. (MDSRC)	Spill Response Advisor (Linda Manka)	403 296-4014	403 296-5147[f]
Western Canada Spill Services (WCSS)	Equipment Coordinator Mark Miller	403 250-0897 403 803-6065	403 291-9408[f]
OILFIELD FIRE SERVICES			
HSE Integrated	Calgary	1-888-346-8260 24hr	
Firemaster Oilfield Services Inc.	Red Deer	403-342-7500 24hr	

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10.0 FAREWELL SITE PLAN



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WCS&SO GENERAL EMERGENCY RESPONSE PLAN

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11.0 EMERGENCY RESPONSE PROCEDURES

Below are templates designed to assist in the development of detailed procedures for Site-Specific emergency response scenarios. Note that each of these steps could require modification during any phase of the project. Refer to Section 404 of the E&P Model ERP

11.1 INJURY INCIDENTS

<p>11.1.1 Emergency Response Procedures (Injury Incidents)</p>	<p>Procedure:</p> <ol style="list-style-type: none"> 1. Ensure personal safety. Consider the following prior to responding: <ul style="list-style-type: none"> • evacuate area • determine safe approach • no approach • determine what happened • don personal protective equipment 2. Isolate the area and restrict / deny entry as required to prevent additional injuries: <ul style="list-style-type: none"> • establish a parameter • isolate / shut off energy sources, stabilize (high pressure, electrical, unstable objects, ignition sources etc.) 3. Notify appropriate personnel: <ul style="list-style-type: none"> • supervisor • rescue team • bystanders 4. Muster in designated area: 5. Determine individual roles and responsibilities: <ul style="list-style-type: none"> • assign incident command system roles as resources become available • add to the ICS chart provided • do not rush into anything 6. Provide medical attention as required: <ul style="list-style-type: none"> • remove victim from danger or danger from victim • provide medical attention as required 7. Transport victim for advanced medical treatment as required. Consider to following:
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	<ul style="list-style-type: none">• medical conveyance via ground• air medivac <p>8. Conduct incident "De-brief"</p> <p>9. Serious and dangerous occurrences shall be reported to the WCB's 24-hour Accident Reporting Line. See Emergency Contact List. Complete Worker's Report of Accident and Employer's Report of Accident.</p>
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11.2 ILLNESS

<p>11.2.1 Emergency Response Procedure (Illness Incident)</p>	<p>Procedure:</p> <ol style="list-style-type: none"> 1. Provide onsite medical / first aid treatment 2. Notify the patient's supervisor and medic (if available) immediately <ul style="list-style-type: none"> • the onsite supervisor/medic will consult the patients medical information form for medical information purposes 3. Contact medical care facility for instructions regarding treatment options and transportation 4. Stabilize patient for transport to medical care facility as required
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11.3 WEATHER RELATED EMERGENCIES

<p>11.3.1 Emergency Response Procedures (Weather Related Emergency)</p>	<p>Procedure:</p> <ol style="list-style-type: none"> 1. Notify all personnel of the weather related emergency <ul style="list-style-type: none"> • contact internal and external parties 2. Secure equipment from the effects of the wind / snow build-up, etc. 3. Suspend operations as deemed necessary <ul style="list-style-type: none"> • consider a travel ban until weather improves maintain communications with remotely located operations (i.e. seismic workers, surveyors, etc.) 4. Muster in designated area
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11.4 FIRES AND EXPLOSIONS

<p>11.4.1 Emergency Response Procedure (Generic Fire & Explosion)</p> <p>Refer to E&P Model ERP Section 403 for additional fire response strategies.</p>	<p>Procedure:</p> <ol style="list-style-type: none"> 1. Ensure personal safety. Consider the following prior to responding <ul style="list-style-type: none"> • evacuate • don personal protective equipment 2. Isolate the area and restrict / deny entry as required to prevent injuries <ul style="list-style-type: none"> • establish a safe parameter 3. Notify appropriate personnel <ul style="list-style-type: none"> • sound the alarm • supervisor • rescue team 4. Muster in designated area 5. Determine individual response roles and responsibilities <ul style="list-style-type: none"> • assign incident command system roles as resources become available 6. Assess the hazard. Determine whether or not to fight the fire. Is there a need to fight the fire? Consider: <ul style="list-style-type: none"> • identify / isolate fuel sources if safe to do so • the type of fire and the equipment available to fight the fire. • are personnel trained to fight the fire 7. Utilize appropriate protective equipment <ul style="list-style-type: none"> • fire retardant clothing • call for backup equipment 8. Establish / adjust control perimeters (hot, warm, cold) <ul style="list-style-type: none"> • identify additional hazards and assess the risks
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