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**OIL DISCHARGE PREVENTION  
AND  
CONTINGENCY PLAN**

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**POINT THOMSON GAS CYCLING PROJECT  
NORTH SLOPE, ALASKA**

**PREAPPLICATION  
DRAFT**

**MAY 2003**

# MANAGEMENT APPROVAL AND MANPOWER AUTHORIZATION

## OIL DISCHARGE PREVENTION AND CONTINGENCY PLAN POINT THOMSON GAS CYCLING PROJECT NORTH SLOPE, ALASKA

This Oil Discharge Prevention and Contingency Plan (ODPCP) has been prepared for Exxon Mobil Corporation, hereinafter ExxonMobil, proposed operations at Point Thomson, North Slope, Alaska. The operations include drilling, production, storage, transfer, and field maintenance.

This plan is approved for implementation as herein described. Manpower, training, management system, equipment, and materials will be provided as required in accordance with this plan.

ExxonMobil's approach to oil spills will be based on the following priorities:

1. Safety of personnel
2. Prevention of spills
3. Protection of the environment
4. Protection of facilities

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Randy F. Buckley  
Project Manager  
ExxonMobil Development Company  
on behalf of Exxon Mobil Corporation

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Date

## ENGINEER SPCC CERTIFICATION

Incorporated into this ODPCP is the Spill Prevention, Control, and Countermeasure (SPCC) Plan for the Point Thomson facility required by Title 40, Code of Federal Regulations Part 112 (40 CFR 112). 40 CFR 112 requires an SPCC plan be reviewed and certified by a professional engineer to be considered in effect. Specifically, 40 CFR 112.3(d) requires:

No SPCC Plan shall be effective to satisfy the requirements of this part unless it has been reviewed and certified by a Registered Professional Engineer. By means of this certification, the professional engineer attests that:

- i) He/she is familiar with the requirements of the SPCC rule;
- ii) He/she or his/her agent has visited and examined the facility;
- iii) The ODPCP has been prepared in accordance with good engineering practice, including consideration of applicable industry standards, and with the requirements of the SPCC rule;
- iv) Procedures for required inspections and testing have been established; and
- v) The ODPCP is adequate for the facility.

Because the ODPCP integrates many aspects of spill response planning, including response and prevention, the engineer must certify that only those sections that apply directly to SPCC requirements have been prepared according to good engineering practice and are adequate for the facility. Sections of the ODPCP which do not apply directly to SPCC requirements, such as information on the biology, geology, or climate of the area, or to response activities, do not require engineering certification because no engineering practice is involved.

I hereby certify that (1) I or my agent have examined the facility, (2) I am familiar with the provisions of 40 CFR 112, (3) the sections of this ODPCP applicable to SPCC requirements have been prepared in accordance with good engineering practice, including consideration of applicable industry standards, and in accordance with the requirements of 40 CFR 112, (4) required inspections and testing procedures have been established, and that (5) this ODPCP is adequate for the facility.

\_\_\_\_\_  
Printed name of Registered Engineer

\_\_\_\_\_  
Signature of Registered Professional Engineer

Registration No. \_\_\_\_\_

State \_\_\_\_\_

Registration expires: \_\_\_\_\_

Date: \_\_\_\_\_



# OIL DISCHARGE PREVENTION AND CONTINGENCY PLAN POINT THOMSON

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## LIST OF ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m <sup>3</sup>	micrograms per cubic meter
~	approximately
<	less than
>	greater than
AAC	Alaska Administrative Code
ACP	Area Contingency Plan
ACS	Alaska Clean Seas
ADEC	Alaska Department of Environmental Conservation
ADNR	Alaska Department of Natural Resources
AOGCC	Alaska Oil and Gas Conservation Commission
API	American Petroleum Institute
APSC	Alyeska Pipeline Service Company
ARRT	Alaska Regional Response Team
ASME	American Society of Mechanical Engineers
ATVs	all terrain vehicles
avg.	Average
Badami	Badami Development Area
BAT	best available technology
bbl	barrels
bscf/d	billion standard cubic feet per day
BHA	bottom hole assembly
BOP	blowout preventer
bopd	barrels of oil per day
BOPE	blowout preventer equipment
boph	barrels of oil per hour
bpd	barrels per day
bph	barrels per hour
BPMSCF	barrels per million standard cubic feet
bpm	barrels per minute
BMP	Best Management Practices
BPXA	BP Exploration (Alaska) Inc.
BS&W	basic sediment and water
BTU	British Thermal Units
CCR	Central Control Room
CFR	Code of Federal Regulations
cfs	cubic feet per second
CIC	Corrosion, Inspection and Chemicals Team
CMT	Crisis Management Team
CO <sub>2</sub>	carbon dioxide
CPF	Central Processing Facility
CRA	corrosion-resistant alloy
CWP	Central Well Pad
DCS	distributed control system
DOT	U.S. Department of Transportation
EIS	Environmental Impact Statement

## LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

EPA	U.S. Environmental Protection Agency
ERD	extended reach drilling
ERM	erosion rate monitoring
EREPs	Emergency Response and Evacuation Plans
ESD	emergency shutdown
ESV	emergency shutdown valve
FOSC	Federal On-Scene Coordinator
FRP	Facility Response Plan
G&I	grind-and-inject
GHz	gigahertz
GOR	gas-to-oil ratio
gpm	gallons per minute
GPS	global positioning system
H <sub>2</sub> S	hydrogen sulfide
HAZMAT	hazardous materials
HAZWOPER	Hazardous Waste Operations and Emergency Response
hp	horsepower
hpd	hours per day
HQ	Headquarters
IADC	International Association of Drilling Contractors
ICS	Incident Command System
ICSS	Integrated Control and Safety System
IEC	International Electrotechnical Commission
IMT	Incident Management Team
in.	inches
IP3	Integrated Pore Pressure Prediction
IR	infrared
ISB	<i>in situ</i> burning
KBPD	thousand barrels per day
kV	kiloVolt
lbs.	pounds
LEL	lower explosive limit
LEPC	Local Emergency Planning Committee
LF	linear foot
LOSC	Local On-Scene Coordinator
m <sup>3</sup> /s	cubic meters per second
MAD	Mutual Aid Drill
MAOP	maximum allowable operating pressure
MB	Mass Balance
MBLPC	Mass Balance Line Pack Compensation
mcf/d	thousand cubic feet per day
MIC	Microbially-Induced Corrosion
min	minute
mm	millimeter
MMS	Minerals Management Service
mmscf	million standard cubic feet
mmscf/d	million standard cubic feet per day
MOB RU	mobilization and rig-up

## LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

mph	miles per hour
MSL	mean sea level
MSRC	Marine Spill Response Corporation
MWD	Measurement While Drilling
MWP	maximum working pressure
NA	not applicable
NARRT	North American Regional Response Team
NCP	National Contingency Plan
NDE	Non-destructive Examination
NOAA	National Oceanic and Atmospheric Administration
NM	nautical miles
NPREP	National Preparedness for Response Exercise Program
NSB	North Slope Borough
NSSRT	North Slope Spill Response Team
NSTC	North Slope Training Cooperative
ODPCP	Oil Discharge Prevention and Contingency Plan
OIMS	Operations Integrity Management System
OPA 90	Oil Pollution Act of 1990
OSD	operational shutdown
OSEA	Office of Safety and Environmental Affairs
OSHA	Occupational Safety and Health Administration
OSRO	Oil Spill Removal Organization
OSRV	oil spill response vessel
oz.	ounce
PIC	person-in-charge
PBU	Prudhoe Bay Unit
PCS	Process Control System
Plan	Point Thomson ODPCP
PLC	Programmable Logic Controller
PM	particulate matter
PPE	personal protective equipment
ppg	pounds per gallon
PSD	process shutdown
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch gauge
PSV	pressure safety valve
PTU	Point Thomson Unit
PU	polyurethane
PVC	polyvinyl chloride
PVT	pit volume totalizer
QI	Qualified Individual
QRA	quantitative risk assessment
RACs	Response Action Contractors
RCG	Regulatory Compliance Group
RMROL	realistic maximum response operating limitation
RPS	response planning standard
RTTM	Real-Time Transient Model

## LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

SAPOC	Statistical Analysis of Pipeline Operating Conditions
SCADA	Supervisory Control and Data Acquisition
SCAT	Shoreline Cleanup Assessment Team
scf/bbl	standard cubic feet per barrel
scf/d	standard cubic feet per day
SCSSV	surface-controlled subsurface safety valves
SDV	shutdown valves
SEPC	State Emergency Planning Committee
SHE	Safety, Health and Environment
SIS	Safety Instrumented Systems
SOP	standard operating procedures
SOSC	State On-Scene Coordinator
SPCC	Spill Prevention, Control, and Countermeasures
SPLO	State Pipeline Office
SPOC	single point of contact
SRT	Spill Response Team
SSSV	subsurface safety valve
SSV	surface safety valve
TAPS	Trans Alaska Pipeline System
TBD	to be determined
tscf	trillion standard cubic feet
TF	Task Force
TPS	total plant shutdown
TRUE	Training to Reduce Unexpected Events
TVD	total vertical depth
UHF	ultrahigh frequency
UIC	Underground Injection Control
UOP	Unified Operating Procedure
UPS	uninterrupted power supply
USCG	U.S. Coast Guard
USFWS	U.S. Fish and Wildlife Service
USI	upset shut-in
UV	ultraviolet
VHF	very high frequency
VOSS	vessel-of-opportunity skimming systems
VSM	vertical support members
WCD	worst-case discharge
WP	working pressure
yd.	Yard