

**WCSS
OIL SPILL CO-OPERATIVE
TRAINING EXERCISE REPORT**

Oil Spill Co-Operative: **P**

Oil Spill Co-Op Chairman: S. Ken Chalmers (TAQA NORTH Ltd.)

Exercise Date: Tuesday - May 25, 2010

Type of Exercise: Pilot Project – Small River Equipment Deployment

Location of Exercise: Dogpound Creek

LSD/Sec/Twp/Rge/Mer: NE14-031-03 W5M

Area Control Point: M253

Host Company: TAQA NORTH Ltd.

Incident Commander: S. Ken Chalmers

EXERCISE OBJECTIVES

The objectives of the exercise were to: (check applicable ones)

		Objectives Met	
		Yes	No
1	Supply theoretical training (classroom)		
2	Evaluate deployment methods (hands-on training)	X	
3	Evaluate safety procedures	X	
4	Evaluate boat handling and operations		
5	Evaluate response capabilities		
6	Evaluate communications	X	
7	Evaluate Control Point	X	
8	Evaluate Co-op equipment - Dryland exercise	X	
9	Evaluate WCSS equipment	X	
10	Evaluate new equipment – new WCSS Training Trailer	X	
11	Other (please specify)- Watergate Dam	X	

Petroleum Industry's Commitment to Spill Preparedness and Environmental Protection

1538 25 Avenue NE
Calgary, AB T2E 8Y3
Phone (403) 250-9606 Fax (403) 291-9408

Mailing Address
Box 503, 3545 – 32 Avenue NE
Calgary, AB T1Y 6M6

EXERCISE REPORT - CHRONOLOGICAL

Time	Event and Description	Problems
07:15	Arrive on site for setup/straw bales delivered earlier to site	
07:45	Washroom arrive on site	
08:05	Caterer arrives	
08:10	WCSS training trailer arrives on site	
08:10	Registration/WCSS training booklets distributed	
09:00	Opening Remarks/Introductions/Agenda Review (S. Ken Chalmers – Area P Chairman)	Tripping hazard
09:10	WCSS Overview/Pilot Project Objectives (Mike Locke – WCSS)	Fence line/cutbanks
09:25	ERCB Presentation – Regulatory Requirements (Jodi Halpin/Breanna Sinclair)	
09:40	Hazard Assessment/Exercise Options (Mike Locke)	
09:45	Break/Crew Captain meeting	
10:05	Safety Briefing (Duane Bolin/Mike Maynard) Equipment deployment – dryland training (Mike Locke) Construction of straw containment boom	
10:35	Ambulance arrives on site	
10:55	Completion of dryland equipment placement Dryland equipment review (Mike Locke)	
11:25	Dryland portion of exercise completed ICS/deployment boards reviewed Group #1 (trolley line/primary boom) and Group #2 (secondary/shoreline) walk down to site to review Group #3 – (Watergate dam – Mike reviews with captain/crew)	
11:35	Crews begin to take equipment down to shoreline	
12:00	Luncheon provided on site	
12:30	Review of stations/job duties/safety briefing	
12:40	Head to deployment site - work downstream Station #3/Station #1/Station #2	
13:15	Systems all completed/start trash pump	

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- 13:20 All attendees move to Station #3 (Watergate dam)
Mike Locke then review each station starting at # 3 and working D/S.
- 13:30 Station #1 (trolley line/primary boom)
- 13:35 Station #2 (strawboom/shoreline)
- 13:40 Cleanup – equipment back to training trailer
- 14:10 Debriefing/Door prize draw/Distribution of exercise attendance cards
- 14:20 Exercise complete

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SAFETY

WCSS Oil Spill Cooperative Exercise Hazard Assessment

1. Equipment

Task/Activity

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Parking | <input checked="" type="checkbox"/> Equipment Spotting | <input checked="" type="checkbox"/> Loading/Unloading |
| <input checked="" type="checkbox"/> Staging | <input checked="" type="checkbox"/> Dryland Equipment Deployment | <input type="checkbox"/> Helicopter Use |
| <input type="checkbox"/> Other _____ | | |

Hazard (high)

- | | | |
|---|---------------------------------------|---|
| <input type="checkbox"/> Personnel Injuries | <input type="checkbox"/> Health Issue | <input type="checkbox"/> Equipment Damage |
| <input type="checkbox"/> Other _____ | | |

Mitigation/Safety Controls

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Health Screening | <input type="checkbox"/> Health Restrictions | <input checked="" type="checkbox"/> Equipment Orientation |
| <input checked="" type="checkbox"/> Safety Meeting | <input checked="" type="checkbox"/> PPE | <input checked="" type="checkbox"/> Crew Member Assignment |
| <input checked="" type="checkbox"/> Track Attendees | <input type="checkbox"/> Warning Signs | <input checked="" type="checkbox"/> Barriers |
| <input checked="" type="checkbox"/> Identify Restricted Areas | <input checked="" type="checkbox"/> Identify Work Zones | <input checked="" type="checkbox"/> Buddy System |
| <input checked="" type="checkbox"/> Emergency Signal | <input checked="" type="checkbox"/> Muster Station | <input checked="" type="checkbox"/> First Aid |
| <input checked="" type="checkbox"/> EMS | <input checked="" type="checkbox"/> Communications Plan | <input type="checkbox"/> Weather Tracking |
| <input type="checkbox"/> Weather Restrictions | <input type="checkbox"/> Warming Tent/Facility | <input checked="" type="checkbox"/> Sanitation |
| <input checked="" type="checkbox"/> Water/Food | <input type="checkbox"/> Wildlife Identification | <input type="checkbox"/> Wildlife Strategy |
| <input checked="" type="checkbox"/> Identify Equipment Deployment Strategy | | |
| <input type="checkbox"/> Other _____ | | |

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2. Working Along Shoreline

Task/Activity

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Transporting Equipment Hazard (medium/high) | <input type="checkbox"/> Loading Boats | <input checked="" type="checkbox"/> Deploying Equipment |
| <input type="checkbox"/> Personnel Injuries | <input type="checkbox"/> Equipment Damage | <input type="checkbox"/> Utilities Hit |
| <input type="checkbox"/> Other _____ | | |

Mitigation/Safety Controls

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Health Screening | <input type="checkbox"/> Health Restrictions | <input checked="" type="checkbox"/> Equipment Orientation |
| <input checked="" type="checkbox"/> Safety Meeting | <input checked="" type="checkbox"/> PPE | <input checked="" type="checkbox"/> Crew Member Assignment |
| <input checked="" type="checkbox"/> Track Attendees | <input type="checkbox"/> Warning Signs | <input checked="" type="checkbox"/> Barriers |
| <input checked="" type="checkbox"/> Identify Restricted Areas | <input checked="" type="checkbox"/> Identify Work Zones | <input checked="" type="checkbox"/> Buddy System |
| <input checked="" type="checkbox"/> Emergency Signal | <input checked="" type="checkbox"/> Muster Station | <input checked="" type="checkbox"/> First Aid |
| <input checked="" type="checkbox"/> EMS | <input checked="" type="checkbox"/> Communications Plan | <input type="checkbox"/> Weather Tracking |
| <input checked="" type="checkbox"/> Weather Restrictions | <input type="checkbox"/> Warming Tent/Facility | <input checked="" type="checkbox"/> Sanitation |
| <input checked="" type="checkbox"/> Water/Food | <input type="checkbox"/> Wildlife Identification | <input type="checkbox"/> Wildlife Strategy |
| <input type="checkbox"/> Safety Boat | <input type="checkbox"/> Shoreline Safety Station | <input checked="" type="checkbox"/> Crew Briefing |
| <input checked="" type="checkbox"/> Identify Equipment Deployment Strategy | <input checked="" type="checkbox"/> Identify Underground Facilities | |
| <input type="checkbox"/> Waist Belt on Chest Waders | <input type="checkbox"/> Other _____ | |

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DEBRIEFING

Auxiliary Services:

Were auxiliary services such as parking, registration, meals, toilets, etc. sufficient? Yes **X**

Comments: _____

Pre-Planning Organization:

Was pre-planning organization adequate? Yes **X**

Comments: _____

Crew Organization:

Were manpower requirements sufficient for this exercise? Yes **X**

Comments: _____

Were communications within the working groups efficient and effective? Yes **X**

Comments: Recommend colored florescent tape for crews - armbands

Equipment:

Was the equipment effective for this type of deployment exercise? Yes **X**

Comments: Good equipment trailer for training purposes and initial spill containment and recovery. The Watergate dam proved to be a very useful piece of equipment, did a good job of holding back water flow (.5 m) to allow for recovery operations. Will have to look at some method of stopping the seals from closing, suggestion of Velcro straps on the back to keep it open.

Was the equipment deployment technique effective for this site? Yes **X**

Comments: Yes, by dividing group into 3 teams all attendees had an opportunity for hands-on training and to become familiar with different containment and recovery deployment techniques

Training Coordinator Evaluation:

Did the Training Coordinator do an adequate job? Yes **X**

Comments: Very knowledgeable

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Spill Medium:

Was Spill Medium used for the exercise? No **X**

Control Point Evaluation:

Is this an effective control point? M253 Yes **X**

Recommendations: Take down fence in order to move equipment to shoreline – safety concern (tripping)

Safety:

WCSS Safety Forms Completed:

- Shoreline crew and observer briefing checklist
- Water activity hazard assessment – hazard/mitigation
- Safety guidelines reviewed

Equipment Recommendations:

Action item list forwarded to WCSS

Debriefing Suggestions:

None to report

ATTENDANCE:	<u>48</u>	No. of Participants
	<u>30</u>	Member Companies
	<u>87</u>	% of Membership

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**AREA P
 EXERCISE DATE – MAY 25, 2010
 MEMBER COMPANIES IN ATTENDANCE (AB-LICENSEE)**

COMPANY NAME	REPRESENTATIVE
Advantage Oil & Gas Ltd.	A.Hagen
Alberta Products Pipeline/APPL	L.Poffenroth
Angle Energy Inc.	M.Martin
	B.Stever
Apache Canada Corporation	J.Johnson
Aaron Paramedical	D. St.Jacques
	A.Thi
BP Canada Energy Ltd.	P.Kent
Baytex Energy	C. Arp
Bonavista Energy Trust	E.Bradley
Compton Petroleum	J.Williment
Concerto Resources Ltd.	D.Quantz
Direct Energy	S. Gervais
	D. Schwengier
	J. Yousph

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Western Canadian Spill Services Ltd.

EOG Resources Canada Ltd.	P. Andrews
	K.McQuoid
	R.Nicdao
ERCB	J. Halpin
	B. Sinclair
ENFORM	M. Locke
	A.McFadyen
Encana Corporation	D.Bolin
	L.Marshall
	J.Mohr
Enterra	C. Klaus
Hard Rock Resources	C.Klaus
Harvest Operations Corporation	D.Lee
Husky Energy	M.Butts
Imperial Oil	P.Feehan
	I.Man
	M.Maynard
	A.Minty
Nexen Inc.	N.Hicke
Owl River Resources	M.Martin



Western Canadian Spill Services Ltd.

Plains Midstream Canada	J.Currie
Reliable Energy	A.Hagen
Sageland Resources Ltd.	J.Marchbank
Shanpet Resources Ltd.	G.Kulcsar
Shell Canada	T.Campkin
	T.Givens
	W.Greig
	B.Kopp
Silver Blaze Energy Ltd.	S.McEwen
Suncor Energy	T. Adams
	S.Malik
Sword Energy	A.Minty
	R.Robinson
TAQA NORTH Ltd.	C.Beaulieu
	S.Ken Chalmers
WCSS	M.Locke
	A.McFadyen
Wotherspoon Environmental	C.Ames

OIL SPILL CONTAINMENT AND RECOVERY

DEPLOYMENT TEAM AREA P

May 25, 2010

JOB DESCRIPTION	CAPTAIN	CREW
INCIDENT COMMANDER	S. Ken Chalmers (TAQA)	
WCSS REPRESENTATIVE	Mike Locke (WCSS/Enform)	
	Al McFadyen (WCSS/Enform)	
SAFETY OFFICERS	Duane Bolin (Encana)	#1 - Gerard Kulcsar (Shanpet)
	Mike Maynard (Imperial)	James Currie (Plains Midstream)
		#2 - Ernie Bradley (Bonavista)
		Shane Gervais (Direct)
REGULATORY - ERCB	Jodi Halpin	
	Breanna Sinclair	
OPERATIONS		
Team #1	Andy Minty (Imperial)	Attendees not on Team #2/#3
Primary System		
(Trolley Line/Boom/		
Skimmer/Pump)		
Team #2		
D/S Secondary Boom (6)	Peter Kent (BP)	
(Boom Strings)		
Team #3		
U/S System (10)	Chad Beaulieu (TAQA)	
(Straw Boom/Watergate		
Dam)		
LOGISTICS SECTION		
Equipment Logistics	Larry Marshall (Encana)	
FINANCE SECTION		
Cost Statistician/Recorder	Jackie Marchbank (Sageland)	
Ambulance	Aaron Paramedical	