



Western Canadian Spill Services Ltd.

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

Oil Spill Co-Operative: **A**

Oil Spill Co-Op Chairman: James Barnhill (Husky Oil Operations Ltd.)

Exercise Date: June 9, 2011

Type of Exercise: Classroom/Equipment Deployment - Reservoir

Location of Exercise: Husky Oil Reservoir

LSD/Sec/Twp/Rge/Mer: 15-03-110-06 W6M

Control Point: N/A

Incident Commander: James Barnhill

Host Company: Husky Oil Operations Ltd.

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 – Jon boat safety	X	
5	Evaluate response capabilities		
6	Evaluate communications		
7	Evaluate Control Point		
8	Evaluate Co-op equipment - Dryland exercise		
9	Evaluate WCSS equipment		
10	Evaluate new equipment – Rainbow Lake C-Can Unit	X	
11	Other (please specify)		



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EXERCISE REPORT - CHRONOLOGICAL

Time	Event and Description	Problems
07:00	Pick up morning/lunch items at store (Al/Jackie)	
07:20	Hall setup/registration	
08:30	Opening Remarks/Introductions/Area A Overview (James Barnhill – Area A Chairman)	
08:50	WCSS Overview (Al McFadyen)	
09:15	ERCB Presentation (Wayne Spracklin/Larry Goulding)	
09:50	Crew Selection	
10:00	Safety Briefing (Shawn Halabisky)	
10:15	Attendees travel to deployment site – Husky Reservoir Rainbow Lake C-Can/portable toilets arrive on site in A.M.	
11:15	All attendees arrived at site/Champion –Curtis arrive on site Begin to unload equipment from C-Can (James noted that some equipment still has to be transferred from trailer unit to C-Can, ie. Sorbents) Equipment deployed/set up for dryland training Al McFadyen/Shawn Halabisky/James Barnhill review/discuss site/action plan – review then with attendees	
11:40	Safety Officer – Shawn Halabisky conducts On-site Safety Briefing	
11:45	Dryland Training (Al McFadyen)	Missing pedco fitting for boom – someone left to pick up – in old trailer
12:15	Lunch – BBQ on site. Thank you to Curtis – Champion.	
13:00	Back to worksite, begin to deployment equipment into reservoir/shoreline – Jon boat deployed – Safety Boat	
13:20	Deploy boom across inlet into reservoir – some crew members go across to other side	
13:23	Skimmer crew/shoreline boom crew deploy equipment	Workers along shoreline should be wearing PFD's
13:28	Pump primed – takes some time	Connector leaking
13:40	Water begins to arrive in portatank	
13:47	Takedown	
14:10	Debriefing/Doorprize Draw/Distribute Exercise Attendance Cards	



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CLASSROOM SESSION

Opening Remarks/Agenda Review/Area A Overview (James Barnhill – Area A Chairman)
ERCB Presentation (Wayne Spracklin/Larry Goulding)
WCSS Overview (Al McFadyen)
Crew Selection
Safety Briefing (Shawn Halabisky)



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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 checked="" 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 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 checked="" 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

- Transporting Equipment Loading Boats Deploying Equipment

Hazard (medium/high)

- Personnel Injuries Equipment Damage Utilities Hit
 Other _____

Mitigation/Safety Controls

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



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3. Boat Operation – small Jon Boat

Task/Activity

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Equipment Loading | <input checked="" type="checkbox"/> Launching | <input checked="" type="checkbox"/> Operating |
| <input type="checkbox"/> Private Vessels | <input type="checkbox"/> Other _____ | |

Hazard (high)

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Personnel Injuries | <input type="checkbox"/> Public Injuries | <input type="checkbox"/> Equipment Damage |
|--|--|---|

Mitigation/Safety Controls

- | | | |
|---|--|--|
| <input type="checkbox"/> Health Screening | <input type="checkbox"/> Health Restrictions | <input 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 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 checked="" type="checkbox"/> Wildlife Identification | <input type="checkbox"/> Wildlife Strategy |
| <input type="checkbox"/> Operator Certification | <input checked="" type="checkbox"/> PFD | <input checked="" type="checkbox"/> Crew Briefings |
| <input type="checkbox"/> Equipment Service Checks | <input type="checkbox"/> Identify Roles | <input type="checkbox"/> Identify Traffic Patterns |
| <input type="checkbox"/> Set Distances for Operations | <input checked="" type="checkbox"/> Safety Boat | <input type="checkbox"/> Up & Downstream Bouys |
| <input type="checkbox"/> Up & Downstream Signage | <input checked="" type="checkbox"/> Identify Equipment Deployment Strategy | |
| <input type="checkbox"/> Other _____ | | |



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DEBRIEFING

Auxiliary Services:				
Were auxiliary services such as parking, registration, meals, toilets, etc. sufficient? Coolers for water/portable toilets should come with hand sanitizer.	Yes	X	No	
Pre-Planning Organization:				
Was pre-planning organization adequate?	Yes	X	No	
Crew Organization:				
Were personnel requirements sufficient for this exercise?	Yes	X	No	
Were communications within the working groups efficient and effective? Radios were available if required.	Yes	X	No	
Equipment:				
Was the equipment effective for this type of deployment exercise? Had just received the new C-Can unit earlier in the week so limited time to transfer equipment. Some required equipment was still in old unit.	Yes	X	No	
Comments:	Due to work on reservoir/work area did not require U/S and D/S signage			
Was the equipment deployment technique effective for this site?	Yes	X	No	
Comments:				
Training Coordinator Evaluation:				
Did the Training Coordinator do an adequate job?	Yes	X	No	
Comments:				

Safety Comments:

- Good safety briefing conducted in the classroom/again on site.
- All required WCSS Safety forms were referenced/completed.
- Potential hazards in area: water/debris in water/slippery shoreline.
- Rescue crew appointed.
- Fire hazard – very dry conditions – water station set.
- 2 people only in boat – appropriate PFD's worn.
- Designated smoking area.
- Personnel working near water – PFD's worn/chest waders.

Spill Medium:

Was Spill Medium used for the exercise?	Yes		No	X
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Control Point Evaluation: N/A

Recommendations:	
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RECOMMENDATIONS - WCSS EQUIPMENT:	Still in the process of transferring response equipment from old to new unit. Mike Locke plans to come up and help James re: ensure that unit is up to standardization requirements.
Equipment Used: Area A Rainbow Lake C-Can	

Equipment Deficiencies	Comments
More throw bags	
Line Thrower	
Additional sorbents	Bring up to standard requirement
Signage	Men & Equipment working on water – on water buoys/shoreline
Transfer equipment	Note: Mike Locke to come up to assist James in transferring equipment – standard
Drip tray-pumps	
Check pump hose – leaking, had to tape	
Missing O ring	
Pump needs foot valve	

Debriefing Suggestions:	Review directions before leaving for site – many people knew the site, but parked on the other side of the reservoir.
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ATTENDANCE:

No. of Participants	44
Member Companies	18
% of Membership	77%



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AREA A - COMPANIES IN ATTENDANCE – JUNE 9, 2011

Apache Canada Ltd.	C.Antle
	M.Bridger
	B. Gibbs
	T.Weatherby
Bearspaw Petroleum Ltd.	F.Kuschnereit
CCS Corporation	A.Davies
	B.Hoskins
	J.Robinson
Cenovus Energy Inc.	M.Andrews
Coyote Resources	J.Barnhill
Enbridge Pipelines (NW) Inc.	W.Antoine
	T.G.Wilson
ERCB (Energy Resources Conservation Board)	L.Goulding
	W.Spracklin
Flint	S.Walsh
Galleon Energy Inc.	D.Janzen
	S.MacGregor
Harvest Operations Corporation	D.Hetesy



Western Canadian Spill Services Ltd.

	M.Robinson
Husky Oil Operations Ltd.	T.Allsop
	S.Arans
	J.Barnhill
	J.Cardinal
	S.Cretney
	R.Hamcock
	J.Lougheed
	R.Noseworthy
	P.Smith
	R.Walters
NuVista Energy Ltd.	R.Gallant
	M.Spencer
Pace Oil & Gas	S.Halabisky
	R.Wilson
Paramount Resources Ltd.	S.Hill
PennWest	T.Lorencz
	P.Teitsma
Plains Midstream Canada ULC	B.Aarsay
	R.Franz
	B.Larsen
	D.Thomas



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	C.Thompson
Sageland Resources Ltd.	J.Marchbank
TAQA NORTH Ltd.	D.McGinn
WCSS	A.McFadyen



**OIL SPILL CONTAINMENT AND RECOVERY
DEPLOYMENT TEAM**

AREA A - June 9, 2011

JOB DESCRIPTION	CAPTAIN	CREW
Incident Commander	James Barnhill (Husky)	
Safety Officer	Shawn Halabisky (Pace)	Megan Bridger (Apache)
Public Information Officer	N/R	
WCSS	Al McFadyen	
Pump/Portatank	Jessee Lougheed (Husky)	Sheldon Arans (Husky)
		Shayne Cretney
		Randy Hancock (Husky)
		Jason Cardinal (Husky)
Skimmer	T.G. Wilson (Enbridge)	Robert Gallant (NuVista)
		Marc Spencer (NuVista)
		Wyatt Antoine (Enbridge)
Shoreline/Boom Crew	Mark Andrews (Cenovus)	Monte Robinson (Pace)
		Chuck Antle (Apache)
		Troy Weatherby (Apache)
		Daniel Thomas (Plains Midstream)
		Bryen Gibbs (Apache)
		Curtis Thompson (Plains MS)
Boat - Jon	Byron Larsen (Plains MS)	Ryan Wilson (Pace)
Shoreline Rescue Crew	Brandon Aarsay (Plains MS)	Robert Franz (Plains Midstream)
		Trevor Lorencz (PennWest)
		Tyler Popescu (Harvest)
Equipment (Rlake)	Scott Hill (Paramount)	Dave Hetesy (Harvest)
Communications Officer	N/R	
Cost Statistician	Jackie Marchbank (Sageland)	
Photo/Recorder	Jackie Marchbank (Sageland)	
Ambulance - Rainbow Lake	James Barnhill (on call)	