

## TERSP Standard Assessment Annual Update

### Capability Chart

Contact Details	TDG Class	Mode of Transport			Means of Containment	Stabilization <sup>1</sup> (X, S, O, SO)	Mitigation <sup>2</sup> (X, S, O, SO)	Remarks and Examples
		M	RR	R				
<b>Company name:</b> <b>Quantum Murray LP-                      Emergency Response</b>  <b>Address: 3600 Viking Way                      Richmond, BC V6V 1N6</b>  <b>Management contact:</b> <b>Patrick Knight</b>  <b>Office:</b> • Telephone-604.270.7388 • FAX-604.270.7389 • e-mail-pknight@qmlp.ca  <b>24-hour Activation:</b> • Telephone-1.877.378.7745 • Contact Position <b>Regional Manager</b>  <b>Regional coverage from this                      location:</b> <b>British Columbia</b>  <b>Is coverage outside this                      region available via this                      location?</b>  Yes [ X ]    No [ ]  <b>Date completed (year-                      month-day): 2011-01-25</b>  <b>By (name and position):</b>	1	X	X	X	T/T, SC, IM	X	X	Explosive transfer License under the MNR. ERAP
	2.1	X	X	X	T/T, T/C, c, IM	X	XS	Transfer, flare, dilution. LPG, Difluoroethane. ERAP coverage for some class 2.1's
	2.2	X	X	X	c, IM	X	X	Dilution. ERAP Coverage for some class 2.2. Nitrous oxide, O <sub>2</sub> , inert gases.
	2.3	X	X	X	T/T, T/C, c, IM	X	X	Transfer, dilution, absorption, capping. ERAP coverage for some class 2.3. Methyl Bromide, Phosphine, SO <sub>2</sub> , H <sub>2</sub> S Chlorine - A and C Kits
	3	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. ERAP coverage for some class 3. Carbon Disulphide, Gasoline, Diesel.
	4.1	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. ERAP coverage for some class 4.1. Magnesium, Aluminum Phosphide
	4.2	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. ERAP coverage for some class 4.2. Sodium Hydrosulphite.
	4.3	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Calcium Carbide.
	5.1	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Sodium Hypochlorite.
	5.2	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Organic peroxide Type "A"
	6.1	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Phenol, TDI, ERAP Coverage for some class 6.1.
	6.2	X	X	X	SC	X	X	Medical Waste

**Comment [TEAP III1]:** TERSP: The possible abbreviations are: T/T = tank truck; T/C = tank car; c = cylinders, all sizes; SC = small means of containment < 450 litres; LC = large means of containment > 450 litres; IM = intermodal.

**Comment [TEAP III2]:** TERSP: Provide examples by UN number or shipping name.

**Comment [TEAP III3]:** TERSP: Within 6 hour travel time by road averaging 65 km/h.

**Comment [TEAP III4]:** TERSP: Means via TERSP(s) from other location(s).

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Patrick Knight Regional Manager	7	X	X	X	SC, LC, IM	XS	XS	Transfer. Monitoring. ERAP Coverage for some class 7, uranium ore
	8	X	X	X	T/T, T/C, SC, LC, c, IM	X	X	Transfer. ERAP coverage for some class 8. H <sub>2</sub> SO <sub>4</sub> , Na <sub>2</sub> OH, nitric acid, oleum, sodium hydrosulphite
	9	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Temperature elevated substances.
	Other	X	X	X	T/T, T/C, SC, LC, c, IM	X	X	Transfer. Petroleum based oils, glycol, sugar

**LEGEND:**

M - Marine; RR - Railway; R - Road; X - Performs operation in house; S - Sub-contracted; O - Resources from outside area of coverage; SO -Sub-contracted resources from outside area of coverage.

1. **Stabilization** includes operational activities directed towards ensuring the incident will not escalate by being able to detect, assess, stop and contain chemical leaks or spills (or potentials thereof) caused by a transportation incident involving dangerous or other goods.

2. **Mitigation** includes operational activities directed towards assessment and initial product recovery by means of product displacement. Product displacement includes, but is not limited to, neutralization, de-activation, repackaging or over packing, flaring or depressurization.

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### TERSP Emergency Response or Exercise Table (previous 12 months only)

Material		Response		Exercise		TERSP Comment	
TDG Class	Shipping Name and UN Number	Date of last response	Registered Team Leader, last response	Date	Registered Team Leader(s)	Activity performed during exercise or response	
1	Explosive C4/other explosive materials	2010-08	S. Santelli			Dismantle and classification of chemical lab containing explosive	Records not available, response through previous employer. Client NW Minister Police
2.1	Acetylene UN1001	2010-08-20 ER10715-2	A. Jeves			Decommissioning and purging of cylinders involved in a chemical plant fire (cylinders)	
2.2	Oxygen UN1072, Carbon Dioxide and O2 mixtures UN1014	2010-08-20 ER10715-2	A. Jeves			Decommissioning and purging of cylinders involved in a chemical plant fire (cylinders)	
2.3							
3	Gasoline UN 1203	2010-06-27 ER10692	A. Jeves			Clean up of 8000 L of Gasoline from above ground storage tank (LC)	
4.1	Red Phosphorus UN 1338	2010-10-06 ER10749	A. Jeves			Abandoned chemicals, classify, package, label, transport and disposal (SC)	
4.2							
4.3	Lithium metals UN 1415			2010-NA	Knight Nicholson Santelli	Training on Lithium metals in drum transport (SC)	Records not available, response/training through previous employer
5.1	Nitrous Oxide 2.2 (5.1) UN 1070	2010-08	Nicholson Santelli			IBC (20,000L) to IBC Transfer at the Port of Vancouver	Records not available, response through previous employer

**Comment [TEAP III15]:** TERSP: State dates as year, month, day (e.g. Use 2010-06-15 for June 15, 2010).

**Comment [TEAP III17]:** TERSP: State dates as year, month, day (e.g. Use 2010-06-15 for June 15, 2010).

**Comment [TEAP III16]:** TERSP: State all registered Team Leaders names as initial of first name and full last name (e.g. E. Wong).

**Comment [TEAP III18]:** TERSP: State all registered Team Leaders names as initial of first name and full last name (e.g. E. Wong).

**Comment [TEAP III19]:** TERSP: Identify the means of containment and activities performed during the response or exercise with product or simulated products (e.g. Tank car plugging, drum over pack, tank truck transfer, cylinder capping, flaring/venting).

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5.2							
6.1	Pesticides Solid, toxic nos. UN2588, Pesticide liquid, toxic nos. UN2902	2010-08-01 ER10715	A. Jeves			Response to a plant site fire involving liquid and solid toxic pesticides and including Class 4.3 pesticides (SC)	
6.2	Biohazard and chemical UN 3291	2010-05-12 ER10669	A. Jeves			Decontamination of a morgue involving a body contaminated with Cyanide	
7	Uranium Hexafluoride UN 2977			2010-NA	Knight Nicholson Santelli	Training and ERAP review (LC)	Records not available, response/training through previous employer
8	Sodium Hydroxide UN 1823	2010-06-08 ER10683	A. Jeves			Transfer a damaged tote tank of Sodium hydroxide (LC)	
9	PCB Oils UN 3082	2010-08-20 ER10755	A. Jeves			Transfer 1000 L of PCB Oils from Transformer to drums (SC)	
Other	Crude Oil	2010-04-14 ER 10659	A. Jeves			Pipeline break of Crude oil in excess of 1000 bbls	

Table data entered (e.g. 2010-06-15) **2010-11-08**