

Transportation Emergency Response Service Provider (TERSP) Standard – TERSP Assessment Summary

TERSP Assessed:	Quantum Murray LP Emergency Response
TERSP location:	#9021, 24 th Street Edmonton, Alberta T6P 1L2
TERSP area of coverage:	Alberta, western Saskatchewan, eastern BC
Date:	2009-02-10
Assessors:	Team Leader - Ernie Wong, Principal, EW Compliance & Response Inc. Team member - Curtis Myson, TDG Specialist, Railway Association of Canada Team member in training - William Fairfield, Field Manager Dangerous Goods, CP Rail
Opportunities for improvement:	<ul style="list-style-type: none"> • Enhance the system to improve tracking/record keeping of training and periodic equipment maintenance. • Improve tracking of follow-up items from responses and exercises.
Best practices for sharing:	<ul style="list-style-type: none"> • Emergency Response Management Workbook and Incident Support Documentation used for responses including debrief component. • Program to request information update for client ER plans.
Recommendation for registration:	Approved by TEAP III Editorial Board – 2010-04-26 Next location assessment due 2010-02

Transportation Emergency Response Service Provider Standard – TERSP Capability Chart

CONTACT DETAILS	TDG CLASS	MODE OF TRANSPORT			CONTAINERS (small/large)	STABILIZATION ¹ (X, S, O, SO)	MITIGATION ² (X, S, O, SO)	REMARKS
		M	RR	HW				
COMPANY NAME: Quantum Murray LP – Emergency Response ADDRESS: #9021, 24 th Street Edmonton AB T6P 1L2 MANAGEMENT CONTACT: Mark Jasper TEL 780.467.8881 FAX: 780.467-8991 EMAIL: Mark.jasper@echelonrespons e.com 24-HR. ACTIVATION NO: 1.866.333.6376 24-HR. CONTACT (POSITION): ER TEAM LEADER GEOGRAPHICAL COVERAGE OF THIS LOCATON: ALBERTA, WESTERN SASKATCHEWAN, EASTERN BC DATE COMPLETED: February 09, 2009 BY (NAME & POSITION):	1	X	X	X	T/T, T/C, SC, IM	XS	XS	Explosive transfer License under the MNR. ERAP coverage for some class 1. Transfer - Explosive Emulsions.
	2.1	X	X	X	T/T, T/C, c, IM	X	X	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, Oxygen, inert gases.
	2.3	X	X	X	T/T, T/C, c, IM	X	X	Dilution/ absorption/ capping. ERAP coverage for some class 2.3. Chlorine – A, B, C kits with SO ₂ , gaskets. H ₂ S
	3	X	X	X	T/T, T/C, SC, LC, c, 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	Transfers. ERAP coverage for some class 4.1. Magnesium/ Aluminum Phosphide, Molten Sulphur
	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, chlorate solutions
	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
	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, IM	X	X	Transfers, dilution, absorption. ERAP coverage for some class 8. H ₂ SO ₄ , NaOH, nitric acid, mercury, oleum
9	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Asbestos, elevated temperature substances.	
Other	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer. Glycol, petroleum based oils, sugar, liquid food products	

Comment [ew1]: T/T = tank truck; T/C = tank car; c = cylinders all sizes; SC = small containers < 450 litres; LC = large container > 450 litres; IM = Intermodal
The possible entries are: "All" or the specific container abbreviations as shown above.

Comment [I2]: Within 6 hour travel time by road averaging at 65 km/h

Transportation Emergency Response Service Provider Standard – TERSP Capability Chart

Mark Jasper
National Operations Manager

LEGEND:

X - Performs operation in house, S - Sub-contracted, O - Resources from outside area region, M – Marine; RR – Rail; HW – Truck
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.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERSPP COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 1 – Management

.1	Is there a statement of the TERSP's commitment addressing health, safety, and environment?	X		Outlined in Quantum's Environmental policy, Code of Conduct and Health and Safety policies. Refer to our Standard Operating Guidelines (SOG).	X		Viewed: EHS policy posted in entrance, 2009-01; Code of Conduct revised 2009-01-02
.2	Has responsibility for the management and updating of the TERSP Assessment (Capability Chart, TERSP comment and Emergency Response or Exercise Table) been assigned and documented?	X		National Operations Manager (Mark Jasper) manages and updates the TERSP assessment as outlined in our SOG.	X		Viewed in SOG, Operating Documents and Administrative Controls, page 110
.3	Are the TERSP Capability Chart and Emergency Response or Exercise Table updated and submitted annually?	X		Last updated and submitted February 9, 2009	X		Reviewed and updated with assessors on 2009-02-10
.4	Have you identified and addressed all legal requirements associated with your business?	X		Quantum meets and exceeds all legal requirements associated with the running of its business. Quantum was voted one of the top 50 best managed companies in Canada.	X		Viewed documents for TDG, WHMIS, vehicles and hose testing.
.5	Does the company meet the following minimum insurance requirements?						
A	Is the company in good standing with relevant federal/provincial/territorial workers' compensation authority?	X		Current letter of clearance available	X		Viewed WCB letter of clearance dated 2009-02-10.
B	This item deleted from all TERSP assessments						
C	Public Liability and Property Damage, \$5 million	X		Quantum holds greater than 5 million coverage.	X		Viewed letter dated 2008-05-01
D	Environmental, \$5 million	X		Quantum holds greater than 5 million coverage.	X		Viewed letter dated 2008-05-01
.6	Is there a system in place to notify TEAP III and affected clients of any change in capability and capacity?	X		Outlined in Quantum's "client notification policy" in our SOGs	X		Viewed as per question 1.2.

Comment [W3]: Page: 3
TERSP: Provide proof of a full and positive statement of commitment to addressing issues of health, safety, and the environment.
Assessor: See policy statement and note date of issue and if signature is current

Comment [W4]: TERSP: The individual with responsibility to manage and update the TERSP Assessment must be identified and available.
Assessor: Note the person and position identified.

Comment [W5]: Page: 3
TERSP: Complete the Capability Chart and Emergency Response or Exercise Table and submit annually to TEAP III (Senior Manager, Logistics, Technical Affairs, CCPA, 805 – 350 Sparks Street, Ottawa, K1R 7S8); ensure that the chart is both current and dated. The TERSP Assessment is only completed when a site visit by assessors is planned.
Assessor: Is the Capability Chart and Emergency Response or Exercise Table ...

Comment [I6]: TERSP: If you have answered all questions related to regulatory compliance in the positive then you should enter YES here. ...

Comment [EXW7]: TERSP: Obtain current certificate from relevant workers compensation authorities (not to exceed 12 months). ...

Comment [EXW8]: Page: 3
TERSP: Have copy of policy available - Certificate of Insurance ...

Comment [EXW9]: Page: 3
TERSP: Have copy of policy available - Certificate of Insurance ...

Comment [G10]: TERSP: Provide copies of submissions to TEAP III and affected clients prior to changes significant enough that capability and/or capacity to execute the planned response is ...

Transportation Emergency Response Service Provider Standard - TERSP Assessment

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	YES	NO		YES	NO	

Part 2 – Activation and Response

.1	Is there a 24-hour emergency response activation telephone number and a backup system?	X		Outlined in Quantum's SOG.	X		Viewed SOG Response Activation page 1, office number is the alternate activation number, dated 2009 version 9 Tested primary activation number 2009-02-04 during off hours – answering service recorded call back number plus incident information and was connected to the On Call Team Leader.
.2	Is there a documented activation protocol (flowchart or other) for coordinators and response personnel in the event of an emergency, and are these shared with clients?	X		Outlined in Quantum's SOG.	X		Viewed SOG Response Activation page 3 – Activation Flowchart. Verbal confirmation: Will be included in the client introduction package as part of the office relocation orientation.
.3	Does the TERSP use a standard form to record incident information?	X		Outlined in Quantum's SOG.	X		Viewed SOG Response Activation page 4 references Emergency Response Management Workbook (ERMW).
.4	Is there 24-hour ready access to current MSDSs for all products that may require an emergency response?	X		50 online MSDS data banks and clients with service agreements have a copy located in customer file. Additionally we carry most available resources in hard copy.	X		Viewed on-line access for carbon disulphide MSDS.
A	What is the source for this information? <ul style="list-style-type: none"> • Internet • CD database • paper copy • CANUTEC • shipper/manufacturer • other 	X		Our sources are quite diverse including internal technical briefs, Internet databases, Hardcopy (AAR ER Guide, ERG, NIOSH pocket Guide, and others), Shippers/ Manufacturers specific information (hard/ soft copy), CANUTEC (by phone), Technical Experts (by phone).	X		Viewed all books. Comment: ERAPs have abbreviated MSDSs; Hard copies are only used as the backup if other system fails to provide a current MSDS.
.5	Are there documented Standard Operating Guidelines for dealing with response to all products/classes/means of containment identified in the Capability Chart? What SOGs are used?	X		Specific response plans exist for all ERAP products and response guidelines for all non ERAPables exist by Class and means of containment. All SOG are used in both training and field work	X		Viewed: Alberta ERAP Fact Sheet covers all clients; SOG Response Guidelines page 33-76 describes process for each class.

Comment [W11]: Page: 4
TERSP: Is there a secondary number to the primary activation telephone number? For example, a telephone number with area code as well as an 1-800 telephone number or two activation telephone numbers but at different locations?
Assessor: Assessor will run a check on primary activation telephone number without prior warning. Assessor will record time of activation call and time of call back.

Comment [EXW12]: TERSP: Document alerting process to activate response, ensure this is communicated to clients.
Assessor: Check protocol; may include a call down list, flowchart or contact list. Check how this protocol is shared with clients.

Comment [EXW13]: TERSP: Provide a copy of the basic form or checklist used to record details of each call received.
Assessor: Verify that a form or checklist exists and check that the form has been used (ask for five completed forms).

Comment [EXW14]: TERSP: All product hazard information for use in emergency response incidents must be available. This includes current MSDS' and demonstration that this information is accessible 24 hours a day. ...

Comment [G15]: TERSP: Demonstrate means of accessing information.
Assessor: If information source is laptop at scene, ensure adequate power supply and determine computer literacy of a registered Team Leader. If paper copies, check and ...

Comment [EXW16]: TERSP: SOGs include pre-trip checklist, site safety plan, situation analysis, reconnaissance, damage assessment, static electricity control, transfer of pressure and low pressure commodities, flaring, disposal, etc. List ...

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERS P COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 2 – Activation and Response (cont'd)

.6	Are there documented guidelines for decontamination?	X		Outlined in Quantum's SOG and Emergency Response Management Workbook.	X		Viewed SOG page 94-98 and Emergency Response Management Workbook, Decontamination
.7	Are response activities for incidents documented and provided to the client after an incident?	X		Activation form, incident report, and all associated documents are provided to clients including pictures, analytical data etc.	X		Viewed responses, which used the ERMW.
.8	What is the target mobilization time from receiving an initial activation call to rolling with response team and equipment for incidents requiring immediate response:						
A	During regular business hours	X		15 – 30 Min	X		Viewed report: 2008-09-10 – 8 minutes
B	Outside regular business hours	X		30 – 90 Min	X		Viewed reports: 2008-07-22 - 20 minutes; 2008-08-25 – 65 minutes
.9	Is a debrief conducted and documented after each response with gaps identified and corrective actions? Is the client involved where appropriate?	X		Debrief and corrective actions are part of Quantum's Emergency Response Management Workbook and are completed on all major incidents. Clients are involved where appropriate.	X		Reviewed 4 reports which all contained debrief notes. Verbal confirmation: Implementing gap and corrective action tracking system.
.10	Is the TEAP III Standard TER Performance Form submitted to TEAP III?	X		Performance forms will be submitted to TEAP III following any CCPA client response.	X		Verbal confirmation: To be done.
.11	If you are listed in a client's ERAP, do you have a copy of the client's ERAP?	X		All ERAPs are accessible to responding team leaders who respond to an incident. Hard and soft copies are kept in the office.	X		Viewed: ERAP that named TERSP; contract with client
.12	If you are listed in another TERSP client's ERAP, do you have a copy of that client's ERAP?	N/A		This office is not presently listed under any other TERSP client's ERAP	---	---	

Part 3 – Resources

3.1 - Contact list, third party resources and mutual aid

Comment [EXW17]: TERSP: Provide copies of documented incidents for TEAP III participants (CCPA, CACD and RAC) which include registered Team Leaders and team members.

Assessor: Review examples of documented incidents for completeness (e.g. details of activation call, response report, work order, job reports, photographs, at least one registered Team Leader and team member).

Comment [EXW18]: TERSP: Identify regular hours of business (e.g. 09h00 to 17h00)

Assessor: Review three incident records noting time range of mobilization and identify size of team deployed.

Comment [I19]: TERSP: Maintain records of any corrective action required and taken.

Assessor: Review at least two corrective actions that have been implemented.

Comment [LL20]: TERSP: This form is required to be submitted for any activation on behalf of a CCPA, CACD or RAC member. State how many have been submitted.

Assessor: Check with TEAP III how many of the forms have been fully completed when submitted.

Comment [I21]: TERSP: Should have a copy of each client's ERAP for which they have an agreement to respond. If does not apply, indicate NA.

Assessor: If applicable, check.

Comment [I22]: TERSP: Should have a copy of each ERAP for which they have an agreement to respond on behalf of another TERSP. If does not apply, indicate NA.

Assessor: If applicable, check.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERSPP COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	
.1 Are current contact lists available for: <ul style="list-style-type: none"> • response coordinators • Team Leaders and team members • clients • government agencies Is there a system in place to ensure that the contact lists are maintained current?	X		Contact lists are maintained in Quantum's Emergency response Management Workbook and associated spread sheets. They are reviewed monthly and updated as required.	X		Viewed: Quantum resources are include in ERMW; all other contacts on line and individual's PDA, dated 2009-01-26
.2 Has a list of equipment resource services (e.g. vacuum trucks, heavy moving equipment) in TERSP response area been developed?	X		A list of equipment resource services is maintained in Quantum's Team Leader Resource Files. The list is reviewed and updated monthly.	X		Viewed on line and individual's PDA, dated 2008-12-04
.3 Is any unique equipment or personnel outsourced? If yes, does written agreement exist:	X		Contracted radiation safety and analytical group. Class 1, Explosive Expertise. Additional agreements for rental and consumable equipment.	X		Viewed written agreements.
.4 Are written agreements established with other TERSPs?	X		Written agreements exist with contracts here and in other provinces. Envirotec, Euroway Industrial, Potters Pumping, MD-UN RSR, and RST Industries, CEDA.	X		Viewed signed agreement and services outlined.
.5 Are these other TERSPs registered with TEAP III?	X		All TERSPs utilized in this region will be registered with TEAP III.	X		Comment: All utilized TERSP in Alberta are expected to be registered.

Comment [EXW23]: TERSP: Provide copies of contact lists that include work and home numbers (including consideration of weekends and vacations) where appropriate; designates should also be listed. List must be dated.
Assessor: Check for current list. Are all categories of numbers included (home, office ...)? Record date. Ensure there is a means for maintaining up to date contact information; e.g. is it updated every three or six months?

Comment [EXW24]: TERSP: Produce list of equipment resource support services.
Assessor: Very that a list exists and note the last update.

Comment [I25]: TERSP: Do you outsource, e.g. 150 lb cylinder coffin, vent and burn operations? If so, document the access protocol.
Assessor: Check for protocol and /or written agreement.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERS P COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 3 – Resources (cont'd)						
3.2 – Equipment and Materials						
.1	Is there a reliable means of communication between involved parties in the incident?	X		Cellular phone, land-lines, computer systems, two-way radios.	X	Viewed communications equipment
.2	Does the company meet the requirements of the TERSP Standard Essential and Specialty Equipment List?	X		Quantum meets and exceeds the standard essential equipment list this includes specialty equipment for propane, SO2, ammonia and chlorine	X	Viewed the equipment meeting the requirements.
.3	Does the list include equipment required to respond to all chemicals, modes of transport and means of containment identified in the Capability Chart?	X		Quantum holds all equipment required to service the products and means of containment outlined on our capability chart.	X	Viewed equipment consistent with capability chart.
.4	Are programs in place for ensuring equipment meets applicable Canadian certification and registration requirements?	X		Quantum's equipment meets or exceeds all applicable Canadian certification and registration requirements.	X	Viewed SCBA, hoses, vehicle and fall protection in compliance.
.5	Does the company engage in initial and ongoing communications with clients regarding unique equipment requirements for their chemicals?	X		Quantum reviews specialized equipment needs with all clients prior to contract signing. As requirements change we reevaluate equipment requirements.	X	Viewed SOG that states semi-annually contact with clients.

Comment [g26]: TERSP: Identify equipment and quantities available. Assessor: Check that equipment exists and is in working order. Ask about provisions for working in remote areas.

Comment [I27]: TERSP: Essential equipment must be at the location. Specialty equipment as required for contracted chemical response. Assessor: Check that essential equipment is at the location; verify specialty equipment if contracted for such responses

Comment [EXW28]: TERSP: Ensure you have equipment above and beyond essential for all chemicals, modes of transport and means of containment for which you provide response. Assessor: Check list and inventory against the capability chart.

Comment [EXW29]: TERSP: Examples are CSA; CGSB; CVOR; Transport Canada; provincial transportation, gasoline handling and so on. Prepare procedures and where required maintain records of checks, proof of approval, license and regulations. Assessor: Check records and approvals.

Comment [G30]: TERSP: Primary responsibility is on the client to establish communications. Assessor: Look for evidence of TERSP participation in the communication process.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERS P COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 3 – Resources (cont'd)						
3.3 – Personnel						
.1	How many response personnel are trained to the TERSP Standard Training Matrix?					
A	TEAP III registered Team Leaders:	5		Most Team Leaders exceed the minimum training requirements. R. MacBeth J. Williams A. Smith D. Clements A. Dunbar	X	Reviewed records for three Team Leaders.
B	TEAP III registered team members:	3		Most team members exceed the minimum training requirements. P. Madden C. Williams B. Givens	X	Reviewed record for one team member.
C	Other Team Leaders:	1		These individuals are expected to meet the minimum standard within the next 12 months.	---	Records were not reviewed.
	Other team members:	5				
.2	Is there a fit for duty program?	X		Mandatory base line testing upon hiring. Sealed medical records for every active individual. Used by EMS if needed during an event. Medical monitoring completed for all level A and B entries.	X	Viewed Medical Binder: Pre-employment medical required; Annual request to update Medical History form; Incident Support Document: Incident Safety Section, Medical Monitoring that deals with pre-entry (Level A or B) monitoring and post exposure.
.3	Is there post-incident stress management program?	X		Outlined in Quantum's SOG	X	Viewed SOG – Incident Stress Management, page 108

Comment [I31]: TERSP: A TEAP III registered Team Leader must be current on all requirements in the TERSP Standard Training Matrix.
Assessor: Record the names, all records must be checked and up to date.

Comment [I32]: TERSP: A TEAP III registered team member must be current on all requirements in the TERSP Standard Training Matrix.
Assessor: Record the names, all records must be checked and up to date.

Comment [EXW33]: TERSP: Describe the elements of your fit for duty program and frequency of re-assessments.
Assessor: Review program documentation and make notes on the elements but do not record individual's information.

Comment [I34]: TERSP: Describe the elements of post-incident stress management program.
Assessor: Review program documentation and make notes on the elements.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERS P COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 4 – Preparedness						
4.1 – Training						
.1	Is the training program established in accordance with the TERSP Standard Training Matrix?	X		Quantum's training matrix meets and exceeds the requirements. Additional areas of training include Confined Space Entry/Rescue and Specialized Product handling.	X	Viewed training matrix is up to date.
.2	Is training conducted using specialty or unique equipment?	X		Training is given for all specialty and unique equipment. When required, SOG's exist outlining the use and maintenance of this equipment. Training is refreshed annually.	X	Viewed one specialty product file for training. Observation: establish frequency for all specialty products.
.3	Is the training content documented for each module?	X		A training summary outlining the content, objectives, tests and job performance evaluations is completed for each training module.	X	Viewed: NFPA 472 Technician Level manual outlines the course details; Content documented for each module.
.4	Are training records maintained for Team Leaders and team members for a minimum of three years?	X		Records are maintained.	X	Viewed records. Verbal confirmation: Plan to enhance system by utilizing a software program to track training completed and identify future needs.
.5	If you respond to railway mode, is a railway dangerous goods response training course part of your training matrix? If yes, have all TEAP III registered Team Leaders and team members met this requirement?	X		All team leaders and many team members have received rail specific or equivalent training.	X	Viewed records that all Registered Team Leaders attended a rail specific training program.
4.2 –Exercises						
.1	Have Team Leaders demonstrated competency for each SOG through training or equivalency granted for a response?	X		The content of Quantum's SOG's are covered in the training matrix completed over a 12 month period.	X	Viewed completed written and practical competencies in personnel file.
.2	Is a debrief conducted and documented after each exercise with gaps identified and corrective actions?	X		Debrief and corrective actions are part of Quantum's Emergency Response Management Workbook which is completed for both real and simulated incidents.	X	Viewed debriefs. Verbal confirmation: New corrective action-tracked program being implemented

Comment [I35]: TERSP: Describe your training program and how it meets or exceeds the TERSP Standard Training Matrix and all regulatory requirements. Assessor: Review documentation to ensure that all elements of the TERSP Standard Training Matrix and regulatory requirements are covered, note frequency of training.

Comment [G36]: TERSP: See item 3.2.5. Assessor: Look for evidence of TERSP training for specialty or unique equipment including SOG, PPE, detection equipment and associated instructions.

Comment [EXW37]: TERSP: Ensure that internal training documentation includes objectives, course content, required resources (A/V, props, etc.) and competency assessment for each module. Proof of external training can be done by showing institution issued certificates and course objectives. Assessor: Check five internal training modules for above mentioned requirements.

Comment [I38]: TERSP: Identify the training such as but not limited to: RAC Understanding Railway Dangerous Goods Response; technician level or tank car specialist from a recognized emergency response training institution such as TTCI, ERTC, Lambton College, Justice Institut...

Comment [I39]: TERSP: The following SOGs should be identified in your training program if the TERSP is expected to perform: Disciplined Approach; Safe Work Guidelines; Liquid Transfer using Liquid Pump; Transfer Using Pressure; Transfer using Vapour; Venting; other, specify. ...

Comment [I40]: TERSP: Maintain records of any corrective action required and taken. Assessor: Review at least two corrective actions that have been implemented.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERSPP COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	
.3 Is documentation for each exercise and debrief maintained for at least three years?	X		Documentation is kept for a minimum of 36 months.	X		Comment: All documents including hard copy are archived indefinitely.

Comment [I41]: TERSP: Exercise and debrief records should be kept for at least three years.
Assessor: Check for an exercise/debrief record from two years ago.

Transportation Emergency Response Service Provider Standard - TERSP Assessment

QUESTION	TERSP		TERS P COMMENT	ASSESSED		ASSESSOR COMMENT
	YES	NO		YES	NO	

Part 4 – Preparedness (cont'd)

4.3 – Equipment Maintenance

.1	Is a program established for equipment inspection, maintenance and testing?	X		We have a detailed maintenance program for moving equipment and equipment requiring inspection by manufacturer or regulatory requirement.	X		Viewed maintenance program.
.2	Are records kept of inspection, testing and maintenance for at least three years for:						
A	TERSP Essential and Specialty Equipment List, where applicable?	X		All maintenance and inspection logs are kept from the date equipment is put into service to present.	X		Viewed logs for hoses, level A suits, SCBA, calibration gas, colourimetric tubes.
B	Transportation equipment?	X		All maintenance records are kept by our leasing company for all vehicles	X		Viewed trailer and vehicle certificate in compliance.

Comment [EXW42]: TERSP: Show evidence of an equipment testing and maintenance program that is in accord with manufacturer recommendations or regulatory requirements. Suggest a matrix be established to demonstrate compliance. Assessor: Verify that program exists and is current (matrix, software, etc.); ask how often a calibration test is supposed to be done.

Comment [I43]: TERSP: Maintain test, inspection and maintenance records that are relevant to materials on the *Essential and Specialty Equipment List*; e.g. instrumentation such detectors and ohm meters, SCBA, Level A suits, transfer ...

Comment [EXW44]: TERSP: Have test, inspection and maintenance records for vehicles used to transport equipment and manpower to incident scenes. Assessor: Check for records of safety inspection and environmental emissions controls, such as annual brake and tire ...

Part 5 – Hazardous Waste and Hazardous Recyclable

.1	Does the TERSP have a permit or certificate to:						
A	Transport hazardous waste and/or hazardous recyclable materials?	X		Quantum's Waste Transportation license allows them to ship all classes of dangerous goods outlined on its capability chart.	X		Viewed waste transportation license.
B	Receive to dispose or recycle hazardous waste and/or hazardous recyclable materials?	X		Quantum Operates 8 waste disposal facilities in British Columbia. Approvals and site locations are attached.	X		Viewed receiving licenses.
.2	Are any of the above performed by a sub-contractor?	X		Some bulk transportation is performed by third party. A list can be found in our Team Leader Resource Lists.	X		Viewed supplier List.

Comment [I45]: TERSP: Specify class of hazardous waste and/or hazardous recyclable materials that the permit/certificate covers. Assessor: Check the permit/certificate for currency, note the certificate number and expiry date in the assessor comment box.

Comment [I46]: TERSP: Specify class of hazardous waste and/or hazardous recyclable materials that the permit/certificate covers. Assessor: Check the permit/certificate for currency, note in the assessor comment box the certificate number and expiry date.

Comment [EXW47]: TERSP: Identify the subcontractor(s) and for what class of hazardous waste and/or hazardous recyclable materials. Assessor: Check if there is reference in the TERSP written protocol and a written agreement. Note in the assessor comment ...

Transportation Emergency Response Service Provider

Part 6 – Marine Chemical Emergency Response *(optional and not part of TERSP Assessment)*

Note: This section should be completed by those TERSPs that provide or wish to provide emergency response services in the marine mode specifically to vessels carrying or using hazardous materials (hazardous and noxious substances or "HNS"). Such response may be provided to bulk vessels, container vessels, barges, ferries, etc. while in berth, alongside, at sea or in transit

	Yes	No	TERSP Comment			
.1	Does your company provide emergency response to marine HNS incidents in:					
			(a) deep sea operations?	n/a		No deep sea operations in this area
			(b) coastal operations?	X		Contractor for Burrard Clean for shoreline cleanup. Specific training provided by Burrard Clean. Letter of intent exists between Burrard and Quantum.
			(b) in port or while loading or unloading?	n/a		No ports in this area
.2			What marine geographic areas do you cover?	X		In land waters.
.3			Do you have specialized documented procedures for marine HNS emergency response?	X		Specialized training and procedures have been implemented by Burrard Clean.
.4			Do you have boat(s) or other means for accessing vessels not at berth?	X		We have access to all needed equipment through Burrard clean under a letter of intent. Glen Hesby is also a resource listed in the Team Leaders Resource List.

Comment [I48]: TERSP: This is an optional part which you are free to complete or ignore. There will be no assessment provided for this section. Assessor: Do not check or question any information provided here.

Transportation Emergency Response Service Provider

Part 7 – Community Involvement and Sustainability *(optional and not part of TERSP Assessment)*

		Yes	No	TERS P Comment			
.1	This question has been removed.						
.2	Do you participate in TransCAER® outreach events? If yes, how? Provide list of dates and activities for the past two years.	X		Quantum participates in many TransCAER events across the country. Most recently we participated in the PRTC meeting November 26, 2008			
.3	Do you belong and participate in a trade association such as CERCA, CCPA, CACD, RAC and/or other (describe other)? Describe your involvement.	X		Mark Jasper is the present Chair of CERCA and Quantum is an active member of the CACD.			
.4	Do you belong or contribute to local community enhancement program? If so, describe. Do not include donations to local hockey team sweater purchase fund or the like.	X		We active members in transCAER and participate in community awareness through school visits and emergency response.			
.5	Do you have an environmental management system in place? If so, describe. Examples are vehicle emissions reduction, idling program, office paper recycling, controlling ER activity emissions such as dry connects, purge techniques, controlling run off...	X		Active recycling program for office waste. Active waste diversion/recycling/recovery during demolition operations.			

Comment [149]: TERSP: This is an optional part which you are free to complete or ignore. There will be no assessment provided for this section. Assessor: Do not check or question any information provided here.

**Transportation Emergency Response Service Provider Standard -
TERSP Emergency Response or Exercise Table (previous 12 months only)**

TDG Class	Shipping Name	Date of last response	Team Leader, last response	Date of last exercise	Team Leader(s), last exercise	Activity performed during exercise or response	Assessor • Documentation reviewed?
1							
2.1	Propane			2008-11-22	R. MacBeth	T/T - Risk Assessment, Bond/ground, Flare, Transfer.	Viewed exercise document except for a debrief which was not recorded.
2.2							
2.3	Silane Hydrogen Sulfide Phosphene Hydrogen chloride	2008-07-22	R. MacBeth	2008-11-04	R. MacBeth A. Dunbar, D. Clements J. Williams A. Smith	Cylinder - Risk Assessment, Containment Capping/ ERCV, dilution, absorption Cylinder - capped	Viewed exercise document using ERMW including debrief. Viewed incident report.
3	Diesel Fuel	2008-10-10 2008-10-31	A. Smith A. Dunbar R. MacBeth			IBC -Containment, Bond and Ground, Transfer T/T – removed residual materials	
4.1	Molten Sulfur	2008-07-07	R. MacBeth			T/C – Transfer to T/C	Viewed incident report – all elements completed
4.2							
4.3							
5.1							
5.2							
6.1							
6.2	Infectious substance,	2008-09-10	R. MacBeth			Dam, dike, remediate Pipeline	

Comment [I50]: TERSP: Identify the activities performed during the response or exercise with product or simulated products, for example: plugging, over pack, transfer, capping, flaring/venting.

Comment [I51]: TERSP: Enter data from the previous year in the table; an actual response that has been documented and debriefed could fulfill the exercise requirement. Remediation work does not qualify.
Assessor: Check the table data entries against *Capability Chart* and that the data is from the previous year, note discrepancies.

**Transportation Emergency Response Service Provider Standard -
TERSP Emergency Response or Exercise Table (previous 12 months only)**

	affecting humans (UN2814)						
7							
8	Sulphuric Acid	2008-10-20	A. Dunbar R. MacBeth			Battery - Dam and Clean acid spill	
9	Environmentally hazardous substances, liquid n.o.s. (benzene leachate) (UN 3082)	2008-09-04	R. MacBeth			Facility - Dam, dike, remediate	
Other							

Date table data entered (month and year): **February 2008**