

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

TERSP Assessed:	Quantum Murray LP Emergency Response Division
TERSP location:	10 Kenmore Avenue Stoney Creek, Ontario L8E 5N1
TERSP area of coverage:	Ontario
Date:	2008-11-20
Assessors:	Team Leader - Ernie Wong, Principal, EW Compliance & Response Inc. Team member - Andy Ash, Manger, Dangerous Goods, Railway Association of Canada Team member in training - Greg Ayers, Regulatory Affairs Manager, Sodrox Chemicals
Opportunities for improvement:	<ul style="list-style-type: none"> • Improve debrief documentation and tracking of follow-up items from responses and exercises. • Enhance the system to improve tracking/record keeping of training and equipment periodic maintenance. • Frequency of specialty training needs to be established with clients.
Best practices for sharing:	<ul style="list-style-type: none"> • ER Management Workbook and Incident Support Documentation used for responses. • Program to request information update for client plans.
Recommendation for registration:	Approved by TEAP III Editorial Board – 2010-04-26 Next site assessment due 2010-11

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: 10 Kenmore Ave Stoney Creek, Ontario L8E 5N1 MANAGEMENT CONTACT: Mark Jasper TEL: 905-388-4444 FAX: 905-643-3106 EMAIL: mark.jasper@echelonresponse.com 24-HR. ACTIVATION NO: 877-378-7745 24-HR. CONTACT (POSITION): ER TEAM LEADER/ MANAGER GEOGRAPHICAL COVERAGE OF THIS LOCATION: ONTARIO DATE COMPLETED: November 20, 2008 BY (NAME & POSITION): Mark Jasper National Operations Manager	1	X	X	X	T/T, T/C, SC, IM	XS	XS	Explosive transfer License under the MNR. Emulsions and packaged practical explosives. ERAP coverage for some class 1's
	2.1	X	X	X	T/T, T/C, c, IM	X	X	Transfer and flare LPG ERAP coverage for some class 2.1's
	2.2	X	X	X	T/T, T/C, c, IM	X	X	Transfer - Cryogenics, N ₂ , argon, CO ₂ , nitrous oxide ERAP coverage for some class 2.2's
	2.3	X	X	X	T/T, T/C, c, IM	X	X	Transfer/ dilution/ absorption Chlorine A/B/C kits NH ₃ , H ₂ S, SO ₂ , phosphine, nitric oxide ERAP coverage for some class 2.3's
	3	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer - carbon disulphide ERAP coverage for some class 3's
	4.1	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer - Molten sulphur ERAP coverage for some class 4.1's
	4.2	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer sodium hydro-sulphite ERAP coverage for some class 4.2's
	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 chlorate, hydrogen peroxide
	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's
	6.2	X	X	X	SC	X	X	Biomedical wastes
	7	X	X	X	SC, LC, IM	XS	XS	Transfer - Uranium fissile, UF6 fissile ERAP coverage for some class 7's
	8	X	X	X	All	X	X	Transfer - HF, H ₂ SO ₄ , oleum, HCl, nitric, mercury ERAP coverage for some class 8's
9	X	X	X	T/T, T/C, SC, LC, IM	X	X	Transfer - asbestos, environmentally hazardous	
Other	X	X	X	All	X	X	Transfer - lube oils, food based materials	

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

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: SOG H&S Policy dated 2008-01-01 signed by Mark Jasper; Corporate EH&S Policy dated 2008-01-01 signed by President and CEO.
.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		Mark Jasper manages and updates the TERSP assessment as outlined in our SOG.	X		Viewed SOG updated 2008-01. Verbal confirmation: Next update will incorporate TEAP III program
.3	Are the TERSP Capability Chart and Emergency Response or Exercise Table updated and submitted annually?	X		Last updated and submitted October 22, 2008	X		Reviewed and updated with assessors on 2008-11-20
.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, ministry of transportation.
.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 letter of clearance dated 2008-11-13
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 certificate which expires 2009-05-01
D	Environmental, \$5 million	X		Quantum holds greater than 5 million coverage.	X		Viewed certificate which expires 2009-05-01
.6	Is there a system in place to notify TEAP III and affected clients of any change in capability and capacity?	X			X		Verbal confirmation: Will be included in the next SOG update.

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

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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. Primary and back up number list dated 2008. Tested 2008-12-08 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 2-3: description and flowchart. Reviewed two client ERAPs which includes activation process.
.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, Initial Activation Report; Emergency Response Management Workbook dated 2008; Incident Support Documentation Workbook dated 2008
.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		
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/ Manufactures specific information (hard/ soft copy), CANUTEC (by phone), Technical Experts (by phone).	X		Viewed: CDs with clients' MSDS available; Two clients plans which were current.
.5	Are there documented Standard Operating Guidelines for dealing with response to all	X		Specific response plans exist for all ERAP products and response guidelines for all non ERAPables exist	X		Viewed: SOG Response Guidelines by Class; Two client specific response plans

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

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	YES	NO		YES	NO	
<p>products/classes/means of containment identified in the <i>Capability Chart</i>?</p> <p>What SOGs are used?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<p>by Class and means of containment.</p> <p>All SOG are used in both training and field work</p>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Included SOG for dealing with the commodities.</p>

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	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 and ER Management Workbook that is also supported by additional information in client specific plan.
.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		Reviewed 2008-06-13 response report, chronology of the response sent to the client with applicable sections copy of the ER Management Workbook, Spill Notification Form.
.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 – 2008-08-12 on scene within 30 minutes
B	Outside regular business hours	X		30 – 90 Min	X		Viewed reports: 2008-06-03 on scene within 15 minutes 2008-06-06 on scene within 30 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 Management Workbook and are completed on all major incidents. Clients are involved where appropriate.	X		Viewed in ER Management Workbook: Debriefing Incident Support Documentation, Post Incident Analysis & Critique sections. Observation: Use the workbook form
.10	Is the TEAP III Standard TER Performance Form submitted to TEAP III?	X		Performance forms will be submitted to TEAP III following any TEAP III client response.	X		Verbal confirmation: To be included in the next update of the SOG.
.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 2 ERAPs which identified Quantum/Echelon as the primary service provider.
.12	If you are listed in another TERSP client's ERAP, do you have a copy of that 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 2 ERAPs which identified Quantum/Echelon as the service provider for the region.

Part 3 – Resources

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.

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	YES	NO		YES	NO	

3.1 - Contact list, third party resources and mutual aid

.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. They are reviewed monthly and updated as required. All client contracts are reviewed semi-annually with client acceptance to ensure accuracy.	X		Viewed: ER Management Workbook: Team Activation; Team Leader book has the list that include government contacts; Each client plan have current contact information (2008-02-14)
.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 Emergency Response Management Workbook. They are reviewed and updated monthly.	X		Viewed Team Leader workbook that has the list of backhoe, dump trucks and waste handling, dated 2008-08-25. This includes waste handling licensing.
.3	Is any unique equipment or personnel outsourced? If yes, does written agreement exist:	X		Contracted explosive management group, contracted radiation safety and analytical group. Both parties respond under letter of agreement.	X		Viewed two letters of agreement dated 2008-09-17 and 2006-02-20.
.4	Are written agreements established with other TERSPs?	X		Written agreements exist with CEDA Emergency Response Team, Envirotec, Euroway Industrial, Potters Pumping, MD-UN RSR, and RST Industries.	X		Viewed two plans, included are expectations for equipment, personnel and training. Agreements are part of the client ER plan.
.5	Are these other TERSPs registered with TEAP III?	X		No. Euroway Industrial is the only group not expected to be part of the TEAP III assessment system.	X		Viewed list that most TERSPs are planning to be registered with TEAP III.

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.

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	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, land-lines, computer systems, two-way radios.	X	Viewed: Laptop computers with AirCard that can access information on the company server; PDAs; Field radios.
.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 and many of the requirements found on the specialty equipment list.	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 for LPG, NH ₃ , SO ₂
.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	Reviewed that all transfer hoses and Level A suits are tested annually.
.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 and is reviewed on a semi-annual basis through client interaction and feedback. This program is driven by the changing needs of our clients.	X	Viewed several communications to and from clients as part of the semi-annual update.

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.

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	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:	8		Most Team Leaders exceed the minimum training requirements.	X	L. Boniferro, B. Dalrymple, S. Hantiaglis, M. Heeringa, D. Hill, M. Jasper, R. McAlpine, J. Williams Reviewed records of 2 team leaders
B	TEAP III registered team members:	8		Most team members exceed the minimum training requirements.	X	S. Clark, D. Dilts, T. Exner, C. Knight, J. Oliver, M. Talbot, B. Trewartha, C. Urie Reviewed records of 2 team members
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:	15				
.2	Is there a fit for duty program?	X		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. Viewed: 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.

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	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 training.	X		Viewed training matrix.
.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.	X		Viewed client and product based specialty training documentation including competency check.
.3	Is the training content documented for each module?	X		A training summary outlining the content, objectives, tests and job performance evaluations are completed for each training module.	X		Viewed PPE and SCBA training including competency check.
.4	Are training records maintained for Team Leaders and team members for a minimum of three years?	X		Records are maintained.	X		View records. Observation: Update matrix to include all training.
.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 for 2 Team Leaders and 2 Team Members to be registered.

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 documents for client plans including subcontractors.
.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 2008-10-14 exercise document. Observation: Improve on the use of the debriefing form.
.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		Viewed reports.

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 ...

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 TTC ...

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 ...

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

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.

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	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		Outlined in Quantum's SOG for all moving equipment and that requiring inspection by manufacturer or regulatory requirement.	X		Viewed records for Level A, gas tester, generator, pumps
.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 all required equipment.
B	Transportation equipment?	X		All maintenance and inspection logs are kept from the date equipment is put into service to present.	X		Viewed that all vehicles current on safety requirements.

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 A821289 dated 1998-11-25
B	Receive to dispose or recycle hazardous waste and/or hazardous recyclable materials?	X		7577-4XGL5P C of A for non-hazardous industrial waste	X		Viewed C of A
.2	Are any of the above performed by a sub-contractor?	X		All receiving sites are third party sub-contractors.	X		Viewed list in Team Leader Workbook

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 ...

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:	X					
(a) deep sea operations?		N/A	No demand in our area of coverage.			
(b) coastal operations?	X		Contractor for ECRC for shoreline cleanup. Specific training provided by ECRC. Contract exists between ECRC and Quantum.			
(b) in port or while loading or unloading?	X		We cover many clients for loading and unloading operations from boat/barge to on land containment.			
.2 What marine geographic areas do you cover?	X		Canadian Great Lakes and inland water systems.			
.3 Do you have specialized documented procedures for marine HNS emergency response?	X		Specialized training and procedures have been implemented by ECRC.			
.4 Do you have boat(s) or other means for accessing vessels not at berth?	X		We have contracts with commercial operators for on water operations. This includes various sized tugs and barges.			

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	TERSAP 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 and demonstrated chlorine capping techniques at the Chatham Ontario TransCAER on October 22, 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 many local CAER groups focusing on community awareness and emergency response. Presently members of Hamilton, Oakville/Mississauga, and the BCA.			
.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 [I49]: 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	Acetylene	2008-09	D. Hill, M. Jasper, M. Heeringa, J. Williams, R. McAlpine			Cylinders - Damage Assessment, Venting, Purging, Dilution.	Viewed incident report
	Propane	2008-06	B. Dalrymple			T/T - Risk Assessment, Flare	
2.2	Nitrogen Argon Helium Oxygen	2008-09	D. Hill, M. Jasper, M. Heeringa, J. Williams, R. McAlpine			Cylinders - Damage Assessment, Venting, Purging, Dilution.	
	Nitros Oxide			2008-09	M. Heeringa, J. Williams, S. Hantziagelis, B. Dalrymple	Sea Container - Risk Assessment, Container Orientation, Venting	
2.3	Hydrogen Chloride	2008-05	M. Heeringa			Cylinder - Risk assessment, Monitoring, overpack	
	Sulfur Dioxide	2008-09	M. Heeringa			Stationary Tank - Risk Assessment, Monitoring Scrubbing	
	Chlorine			2008-10	M. Heeringa, J. Williams, B. Dalrymple	T/C - Capping	
3	Diesel	2008-06	R. McAlpine			T/T - Containment	
	Petroleum Naptha	2008-03	L. Boniferro, B. Dalrymple			IBC - Containment, Bond and ground, Transfer	
	Gasoline			2008-03	M. Heeringa, S. Hantziagelis, B. Dalrymple, L. Boniferro, R. McAlpine, J.	T/T - Risk Assessment, Drilling, Bound and Ground, Liquid Transfer, Monitoring	

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 fulfil 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)**

					Williams, Mark J		
4.1				2008-04	M. Jasper, B. Dalrymple, L. Boniferno, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill	Solid Transfer	
4.2				2008-04	M. Jasper, B. Dalrymple, L. Boniferno, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill	Solid Transfer	
4.3				2008-04	M. Jasper, B. Dalrymple, L. Boniferno, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill	Solid Transfer	
5.1	Hydrogen peroxide, sodium hypochlorite			2008-04	M. Jasper, B. Dalrymple, L. Boniferno, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill	T/T. TC, IBC, SC - Risk assessment, Monitoring	
5.2	Organic peroxide Type "A"			2008-04	M. Jasper, B. Dalrymple, L. Boniferno, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill	Carboys, van box - Risk Assessment, Monitoring	
6.1	TDI	2008-09	J. Williams, S. Hantziagelis			T/T - Risk Assessment, valve packing repair, Transfer	Viewed incident report

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

6.2	Human Blood	2008-09	M. Heeringa, J. Williams, B. Dalrymple			Deactivation, Collection	
7	Uranium Hexafluoride			2008-09	M. Jasper, B. Dalrymple, L. Boniferro, M. Heeringa, J. Williams, S. Hantziagelis, D. Hill, R. McAlpine	Type "A" packaging RAD	
8	Sulphuric Acid	2008-06	S. Hantziagelis			Stationary Tank - Risk Assessment, Liquid Transfer, Decontamination	Viewed incident report
	Caustic Soda	2008-01	B. Dalrymple			T/T - Containment, Liquid Transfer	
9	Asbestos	2008-09	D. Hill, M. Jasper, B. Dalrymple, J. Williams, S. Hantziagelis, R. McAlpine			Collection, Removal, Decontamination	
Other							

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