RCMP STS Checklist

Precision Leak Tests Location	EC#
Date of Inspection:	
Name of company performing testing	
Address:	
Telephone	
Email :	
Technician Name	
Technician Signature:	
Date:	
Name of on-site contact:	
Address:	
Telephone	
Email:	
Name of Technical Authority:	
Address:	
Telephone	
Email:	
Name of fuel company:	
Address:	
Telephone	
Email :	

	STORAGE TANK SYSTEM (STS)			1	
	Is the identification number displayed in a readily visible local STS? (ss.28(4)) The number may be found on the fill pipe.	tion on or near the		□ Yes □ No	
	What is the last date of delivery of fuel? What company delivered it?				
	Does the STS have a product transfer area that is designed to during transfer of product into the STS? (s.15)	contain spills		□ Yes □ No	
	Describe what is being utilized to minimize the likelihood of sproduct transfer (ie. Containment pool, spill box at fill port, coetc.)	oncrete structure,			
	Does the STS have clear instructions posted for use of the production (if present) during the delivery of fuel?	duct transfer area		□ Yes □ No	
	TANK		1	2	3
	What is the date of installation of the tank?				
	If there is a serial number from the tank's manufacturer? Spec	ify the number.			
	If the tank bears a CM certifying conformity to a standard? Sp	ecify CM.			
	How is the tank installed?	-			
	• Partially buried (s.7); <i>OR</i>		☐ Yes ☐ No	\square Yes \square No	\square Yes \square No
	 Installed below grade but designed to be aboveground (s.5) 		□ Yes □ No	\square Yes \square No	☐ Yes ☐ No
		,			
GENERAL	What is the capacity of the tank?		L	L	L
GEN	What is the tank orientation?	vertical horizontal			
	What is the tank material?				
	What product is stored in the tank? (ss.2(1))				
	Are the product stored and the tank material compatible? (s.11		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	Are a fill pipe and a vent line installed in the tank and are all other openings sealed or connected to piping? (s.12)		□ Yes □ No	□ Yes □ No	□ Yes □ No
	If there is secondary containment, is the secondary containment storage purposes? (s.13)	nt area used for	□ N/A □ Yes □ No	□ N/A □ Yes □ No	☐ N/A ☐ Yes ☐ No
	(FILL IN IE	APPLICABLE ONLY)			
	Is the tank a single-walled tank?	THI EIGHBLE GIVET)			
SINGLE-WALLED TANK	If so, fill in present section. If N/A, go to the 'Piping – Genera	l' section.	☐ Yes ☐ N/A	☐ Yes ☐ N/A	□ Yes □ N/A
D TA	Was the tank installed prior to 12 June 2008? (par.9(1)(b))		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
LE	If yes, check the applying case		1		
VAI	leak detection; OR				
E-V	groundwater monitoring wells; <i>OR</i>				
Ğ	vapour monitoring wells; OR				
\mathbf{SIR}	AND In case of steel tank, does the piping also have a cathodic prote	ection? (par.9(1)(a))	☐ Yes ☐ N/A	□ Yes □ N/A	□ Yes □ N/A

	If the tank does not abide to applicable requirements above, have the	following	□ N/A	□ N/A	□ N/A
	actions been performed? (s.9)		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	•		□ No	□ No	□ No
	• is the STS permanently withdraw from service before 12 June 20)12 in	☐ In process	☐ In process	☐ In process
	accordance with s.44? AND		☐ Finished	☐ Finished	☐ Finished
			□ No	□ No	□ No
	• is the STS removed before 12 June 2012 in accordance with s.45?		☐ In process	☐ In process	☐ In process
	- is the 515 removed before 12 June 2012 in accordance with 5.43;		☐ Finished	☐ Finished	☐ Finished
	To verify conformity with s.43, s.44 and s.45, fill in the section 'With	drawal from	L Tillislicu	L Tillislicu	□ Fillished
	service and removal'p.8				
		1 2000			☐ Yes ☐ No
	Has a tank precision leak detection test been performed between 12.	June 2008	☐ Yes ☐ No	☐ Yes ☐ No	⊔ Yes ⊔ No
	and 12 June 2010? If yes, specify date				
	AND	_			
	After that test or without any test, has one of the following procedure	es been	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	performed? (s.16) If yes, check applying procedure				
	 <u>immediate</u> automatic tank gauging ¹; OR 		☐ ☐ Late	□ □ Late	☐ ☐ Late
	■ <u>immediate</u> continuous in-tank leak detection ² ; OR		☐ ☐ Late	□ □ Late	☐ ☐ Late
	 tank precision leak detection test performed annually ⁴ 		□ □ Not yet	□ □ Not yet	□ □ Not yet
	DIDING		1	2	2
	PIPING		1	2	3
	What is the date of installation of the piping?				
		HIGD			
AL	What is the type of piping?	UGP			
ER		AGP			
GENERAL	What is the piping material?				
9	Are product stored and material used in construction of piping compa	atible? (s.11)	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	If there is a SC, is the SC area used for storage purposes? (s.13)		□ N/A	□ N/A	□ N/A
	if there is a 5C, is the 5C area used for storage purposes: (s.15)		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	(FILL IN IF APPLIC	CARLE ONLY)			
	Is the piping a single-walled UGP?	OTBLE OTTET)			
	If so, fill in present section. If N/A, go to the 'AGP without SC' section	on	☐ Yes ☐ N/A	☐ Yes ☐ N/A	☐ Yes ☐ N/A
	For piping that was installed prior to 13 June 2008, does the piping h		☐ Yes ☐ N/A	☐ Yes ☐ N/A	☐ Yes ☐ N/A
	the following? (par.10(2)(b)) If yes, check the applying case	lave one of			
	• leak detection; <i>OR</i>				
	groundwater monitoring wells; <i>OR</i>		_		
	 vapour monitoring wells; OR single vertical check valves; OR 				
	• mechanical line leak detection devices.		Ш		
	AND	0		□ X7 □ N1/A	
J.P	In case of steel piping, does the piping also have a cathodic protection	on?	☐ Yes ☐ N/A	☐ Yes ☐ N/A	☐ Yes ☐ N/A
Ú	(par.10(2)(a))	1 2	□ NT/A	□ NT/A	□ NT/A
ED	If the tank doesn't abide to applicable requirements above, has 1 of the	ne 2	□ N/A	□ N/A	□ N/A
SINGLE-WALLED UGP	following choices of action been performed?		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
NA	1 st choice of actions to take: (par.10(1)(a))		□ N/A	□ N/A	□ N/A
E-1	- ' 4 67564	2012:	□ No	□ No	□ No
GL	• is the <u>STS temporarily withdraw from service</u> before 13 June	2012 in	☐ In process	☐ In process	☐ In process
NI	accordance with s.43? AND		☐ Finished	☐ Finished	☐ Finished
9 2			_ □ No	_ □ No	_ □ No
	• is the piping permanently withdraw from service before 13 June 2	2012 in	☐ In process	☐ In process	☐ In process
	accordance with s.44? AND		☐ Finished	☐ Finished	☐ Finished
	11 0 10 7 0000	450 4375	_ □ No	_ □ No	_ □ No
	• is the piping removed before 13 June 2012 in accordance with s.4	45? <i>AND</i>	☐ In process	☐ In process	☐ In process
		1.40 E-11 : 1	☐ Finished	☐ Finished	☐ Finished
	• is the piping replaced before 13 June 2012 in accordance with s.		□ No	□ No	□ No
	sections about piping in the 'Underground tank(s) on 1 system in	nstalled on or	☐ In process	☐ In process	☐ In process
	after June 12th 2008' checklist.		☐ Finished	☐ Finished	☐ Finished
	To verify conformity with s.43, s.44 and s.45, fill in the section 'With	drawal from			
	service and removal'p.8				

	2 nd choice of actions to take: (par.10(1)(b))	□ N/A	□ N/A	□ N/A
		□ No	□ No	□ No
	■ is the <u>STS permanently withdraw from service</u> before 13 June 2012 in	☐ In process	☐ In process	☐ In process
	accordance with s.44? AND	☐ Finished	☐ Finished	☐ Finished
	■ are the appropriate components removed before 13 June 2012 in accordance	□ No	□ No	□ No
	with s.45?			
		☐ In process	☐ In process	☐ In process
	If so, check applying case	☐ Finished	☐ Finished	☐ Finished
	o is all the system removed in the case of horizontal tank; <i>OR</i>			
	 are all piping and components outside the tank removed in case of 			
	vertical tank			
	To verify conformity, fill in section 'Withdrawal from service and removal' p.8			
	Has a piping precision leak detection test been performed between 13 June 2008	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	and 12 June 2010? If yes, specify date			
	and 12 same 2010. If yes, speedy date			
	AND			
	AND			
	Has one of the following procedures been performed? (ss.17(1)) <i>If yes, check</i>	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
	applying procedure			
	■ <u>immediate</u> continuous external underground pipe leak monitoring ⁵ ; OR	□ □ Late	□ □ Late	□ □ Late
	■ <u>immediate</u> automatic tank gauging ¹ ; OR	□ □ Late	□ □ Late	□ □ Late
	■ immediate continuous in-tank leak detection ² ; OR	□ □ Late	□ □ Late	□ □ Late
	piping precision leak detection test performed annually ⁴	□ □ Not yet	□ □ Not yet	□ □ Not yet
	piping precision leak detection test performed aimauny	— — посусс	п пистуст	— — посусс
	(FILL IN IF APPLICABLE ONLY)			
	Is the piping an AGP without SC?			
	If so, fill in present section. If N/A, go to the 'Turbine, transition, dispenser or	☐ Yes ☐ N/A	☐ Yes ☐ N/A	☐ Yes ☐ N/A
	pump sumps' section.			
	Has a visual inspection of the walls piping been performed between 12 June 2008	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
<i>r</i>)		□ Yes □ No	⊔ Yes ⊔ No	⊔ Yes ⊔ No
S	and 12 June 2010? Inspection reports located in ERP. If yes, specify date			
AGP WITHOUT SC				
10	AND			
E				
*	Has one of the following procedures been performed? (ss.23(1)) <i>If yes, check</i>	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
<u>1</u>	applying procedure			
AC	■ immediate continuous external aboveground pipe leak monitoring ¹¹ ; OR	□ □ Late	□ □ Late	□ □ Late
,	■ immediate implementation of a corrosion analysis program including at least			
	an annual inspection;	Late		
	visual inspection once a month; OR			
		□ □ Not yet		□ □ Not yet
	 piping precision leak detection test performed annually ⁴ 	□ □ Not yet	□ □ Not yet	□ □ Not yet
	TURBINE, TRANSITION, DISPENSER OR PUMP SUMPS	_	_	
	(FILL IN IF APPLICABLE ONLY)	1	2	3
Aı	re there containment sumps?	☐ Yes ☐ N/A	☐ Yes ☐ N/A	☐ Yes ☐ N/A
	yes, specify where and fill in present section. If N/A, go to the 'Oil-water separator'			
se	ction.			
	as a visual inspection of the sumps been performed between 12 June 2008 and	☐ Yes ☐ No	☐ Yes ☐ No	\square Yes \square No
12	2. June 2010? If yes, specify date			
Ì				
Al	ND			
A	ND			
		☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
A	fter that inspection or without any inspection, has one of the following procedures	☐ Yes ☐ No	☐ Yes ☐ No	□ Yes □ No
At be	fter that inspection or without any inspection, has one of the following procedures then performed? (ss.25(1)) <i>If yes, check applying procedure</i>			
At be	fter that inspection or without any inspection, has one of the following procedures	☐ Yes ☐ No ☐ ☐ Late ☐ ☐ Not yet	☐ Yes ☐ No ☐ ☐ Late ☐ ☐ Not yet	☐ Yes ☐ No ☐ ☐ Late ☐ ☐ Not yet

RECORD KEEPING	1
Is the emergency plan ¹⁴ up-to-date kept in a place readily available for the persons who are required to carry it out? (ss.31(1))	☐ Yes ☐ No
Is the emergency plan ¹⁴ up-to-date also kept at the place where the storage tank system is located if that place is a place of work? (ss.31(1))	☐ Yes ☐ No ☐ N/A
a description of the factors considered under subsection 30(1): the properties and characteristics of each petroleum product or allied petroleum product stored in each tank of the system and the maximum expected quantity of the petroleum product or allied petroleum product to be stored in the system at any time during any calendar year; the characteristics of the place where the system is located and of the surrounding area that may increase the risk of harm to the environment or of danger to human life or health.	☐ Yes ☐ No ☐ N/A
a description of the measures to be used to prevent, warn of, prepare for, respond to and recover from any emergency that may cause harm to the environment or danger to human life or health;	☐ Yes ☐ No ☐ N/A
 a list of the individuals who are required to carry out the plan and a description of their roles and responsibilities; 	□ Yes □ No □ N/A
 identification of the training required for each of the individuals listed under paragraph (c); a list of the emergency response equipment included as part of the plan, and the equipment's location; and the measures to be taken to notify members of the public who may be adversely affected by the harm or danger referred to in paragraph (b). 	 ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
Have the records been kept until STS is removed for the following applicable cases? (ss.46(2)) record of leak test/inspection and program components in case of a corrosion analysis program for a AGP without SC	□ Yes □ No □ N/A
Have the records been kept at the owner's or operator's place of work nearest to the system for five years after the day on which that record was made for the following applicable cases? (ss.46(1))	
 test or inspection reports¹³ for a component in case a leak was suspected (s.26 & s.27) record establishing that any part of the STS added after June 12, 2008 was installed by an approved person or was supervised by a professional engineer (ss. 33(2))) 	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
 record¹³ of all leak test/inspection done for turbine, transition, dispenser or pump sumps (s.25 & s.27) record¹³ of all leak test/inspection done for a horizontal tank without SC (ss.19(1) & s.27) record¹³ of all leak test/inspection done for a single-walled UGP (ss.17(1) & s.27) record¹³ of all leak test/inspection done for a AGP without SC (ss.23(1) & s.27) 	 ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
 Note: the records require under s. 27 must contain the test or inspection date; AND the storage tank system identification number; AND the type of petroleum product or allied petroleum product stored in the system; AND the test or inspection results; AND the testing method; AND the name and address of the individual and, if applicable, the company that performed the test or inspection; AND the components of the corrosion analysis program 	
 record of the date of a temporary withdrawal (s.43) record establishing that a permanent withdrawal was performed by a person approved to do so by the province or supervised by a professional engineer and the date of withdrawal (ss.44(2)) 	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
 record establishing that a removal was performed by a person approved to do so by the province or supervised by a professional engineer in another province (ss.45(2)) if an oil-water separator is used: 	□ Yes □ No □ N/A
 record of measurements of the thickness of the free oil layer and the separated solids layer in case of a leak or spill and as soon as it is detected (ss.35(2)) 	□ Yes □ No □ N/A
o record of the measurements and dates in case the oil-water monitoring is made by manual measurement of the thickness of free oil and separated solids layers each month (par.35(1)(a));	□ Yes □ No □ N/A
 record of the free oil removal (ss.36(2)) record of the separated solid layer removal (ss.37(2)) record of removal of water that accumulates in tank bottom (ss.40(2)) 	 ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A

	FIRE SAFETY	1	2	3	
	The secondary containment is free of liquids, debris, and precipitation?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
	The tank system has collision protection around dispenser and tank (large bollards)?	☐ Yes ☐ No	☐ Yes ☐ No		
	Is the tank at minimum 3m away from the nearest building?	Distance: No	Distance: ☐ Yes ☐ No		
[₹	Combustibles – area around tank is clear of debris?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
GENERAL	Are the tank and fill pipe connections color coded with labels (should be shaped labels example hexagon/white for regular gasoline)	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
	Is the tank on firm foundation?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
	Is the piping supported?	☐ Yes ☐ No	☐ Yes ☐ No		
	Does the system have an explosion proof connector at meter?	☐ Yes ☐ No	☐ Yes ☐ No		
	Is there an Emergency Instructions sign posted?	☐ Yes ☐ No	☐ Yes ☐ No		
	Is there a sign with the capacity and content of tank posted?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
ø	Is the fuel hose length longer then 4.5m?	☐ Yes ☐ No	□ Yes □ No		
FUEL-DISPENSING STATIONS	Is there an emergency electrical shut off and is it labeled?	☐ Yes ☐ No ☐ Yes ☐ No	☐ Yes ☐ No ☐ Yes ☐ No		
NG ST	Are product stored and material used in construction of piping compatible? (s.11)	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
PENSI	If there is a SC, is the SC area used for storage purposes? (s.13)	☐ N/A ☐ Yes ☐ No	□ N/A □ Yes □ No	☐ N/A ☐ Yes ☐ No	
-Dis	Is there a No Smoking sign posted?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
FUEL	Is there an Ignition Off while refuelling sign posted?	□ Yes □ No	☐ Yes ☐ No	☐ Yes ☐ No	
	Is there two fire extinguishers near the dispensing area?	□ Yes □ No	□ Yes □ No	□ Yes □ No	
	PREVENTATIVE MAINTENANCE	1	2	3	
	Was the tank level gauge tested and/or in working order?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
GENERAL	Was the high level alarm tested and/or in working order?	☐ Yes ☐ No	☐ Yes ☐ No		
NE	Was the leak sensors tested and/or in working order?	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	
5	Was the monthly inspection procedure reviewed with the detachment?		☐ Yes ☐ No		
	Are there locks installed on the tank system		☐ Yes ☐ No		

Comments :	