NORTH CAROLINA UNDERGROUND STORAGE TANK SECTION RISK, RANK AND ABATEMENT RATING FORM

Incident Number Date:		SCORE 2/25/09 Ranking Performed by: B. Sandow	L75R
SECTION	ĮI.	Note: a new ranking form must be completed whenever site conditions may have changed Risk Classification (Check all that apply)	
1. Hig	h R	lsk	
	A.	An existing water supply well, including one used for non-drinking purposes, has been contaminated by the release;	
· ·	В.	A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed release;	
	C.	A water supply well not used for drinking water is located within 250 feet of the source area of a confirmed release;	
•	D,	The groundwater within 500 feet of the source area of a confirmed release has the potential for future use in that there is no source of water supply other than the groundwater;	
	E,	There exists a serious threat of explosion due to the accumulation of vapors in a confined space, as a result of the release; or	
		There exists an imminent danger to public health, public safety or the environment, as a result of the release.	A STATE OF THE STA
2. Inte	rm	ediate Risk	
	A.	Surface water is located within 500 feet of the source area of a confirmed release and the maximum groundwater contaminant concentration exceeds the applicable surface water quality standard and criteria found in 15A NCAC 2B .0200 by a factor of 10;	
	В	In the Coastal Plain Physiographic Province (as designated on a map entitled Geologic Map of North Carolina published by the Department in 1985), the source area of a confirmed release is located where there is recharge to an unconfined or semi-confined deeper aquifer which the Department determines is being used or may be used as a source of drinking water:	√.
	C.	The source area of a confirmed release is located within a designated wellhead protection area, as defined in 42 USC 300h-7(e);	Chappan Roman
	D.	The levels of groundwater contamination for any contaminant (except ethylene dibromide, benzene and the aliphatic and aromatic carbon fraction classes) exceed 50 percent of the solubility of the contaminant at 25 degrees Celsius or 1,000 times the groundwater quality standard or interim standard established in 15A NCAC 2L .0202, whichever is lower (these levels have been termed "gross contamination levels"); or	Jacobson Company (1)
	E.	The levels of groundwater contamination for ethylene dibromide or benzene exceed 1,000 times the federal drinking water standard set out in 40 CFR 141(these levels have also been termed "gross contamination levels").	
3. Lov	v R	isk	•
	. A.	A low risk classification means that the risk posed by a release does not meet any of the high or intermediate risk criteria or, based on site-specific information received by the Department, the release does not pose a significant risk.	
		SECTION I. Risk Classification	L04)

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SECTION II. Release Ranking (Assign points as applicable)

1. EMERGENCY HAZARD ASSESSMENT

An emergency situation exists whenever the Department determines that the release poses an imminent danger to public health, public safety, or the environment.

EMERGENCY

POINTS

Complete entire form and assign letter E to final rating in Section III, Once Emergency is abated a new rating must be performed

2. EXPOSURE ASSESSMENT

Groundwater

A. Impacted Water Supplies

Public Supply Wells (each well can only be counted once)

Public or institutional water supply well containing substances in concentrations Supplied by Greenwille

- exceeding 15A NCAC 2L groundwater quality standards; award 600 points per weil
- Private Supply Wells (each well can only be counted once)
- Private domestic drinking water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 200 points per well
- Private well, not used for drinking, containing contamination in detectable concentrations; award 75 points per well

Public or Private Weils Below 2L .0202 Standards (each well can only be counted once)

- 4. Public or private drinking water supply contains substances that are below the 15A NCAC 2L groundwater quality standards; award 100 points per well
- B. Threat to Uncontaminated Drinking Water Supplies

Public Supply Wells (each well can only be counted once)

- Public or institutional water supply well within 500 ft of plume edge, plume edge is within radius of influence of public well, or threat currently unknown; award 40 points per well
- Public or institutional water supply well between 500 and 1000 ft of plume edge or threat is reasonably known; award 10 points per well

Private Supply Wells (each well can only be counted once)

- Private water supply, including non-drinking well, located within 250 feet of plume edge, wells threatened or the threat is currently unknown; award 20 points per well
- Private water supply, not including non-drinking well, located between 251 and 500 feet of the plume edge, wells threatened or the threat is currently unknown; award 10 points per well
- 5. Private water supply, not including non-drinking well, located between 501 and 1000 feet of plume edge or wells located within 1000 feet but threat to wells is reasonably known or alternate water source is available; award 5 points per well
- Private non-drinking well, located between 251 and 1000 feet of plume edge; award 2 points per well

Surface Water

- Violation of Class HQW,ORW,WS-I, WS-II or SA surface water quality standards as a result of groundwater discharge; award 10 points
- Free product or sheen discovered on surface waters as a result of groundwater discharge; award 5 points

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	A Land Use	Choose required soil clean-up level then apply points only if soil contamination exceeds requirement				
ı	No Risk Data	Soil to GW	Residential	Industrial/Commercial		
Spil ey	Ceeds!	Maximum soil contaminant of "Residential" exposure conc		oil to Groundwater" but below total	ing the Age	-
Spie 40 6	″∍ W	Maximum soil contaminant "Industrial/Commercial" exp			Estato e de la companya de la compa	onenne. A
	3.	Maximum soil contaminant exposure concentration or no			page of the second	nie en
Air					•	
•	A. Vapor Phas	e Exposure				٠
	1,	Contaminant vapors detected the lower explosive limit and		(s), but levels are below 20% of award 20 points total	Commence of the Commence of th	ec "s a caty,
	2.			(uninhabitable buildings, sewer the lower explosive limit; award	Scor Constant of Scott	ಕಾರ್ಲಭಾಭ
3. HY	OROGEOL	OGY AND LITHOLOG	Y Y			
•	A. Bedrock - c	contamination is located in, on	or within five feet of be	drock; award 20 points	مرسسسس دو دا میتود در مربود میتود را میشود	ومرورد نصب
·		ontaminant Migration -Literati ook or within twenty feet of la	_	that no confining layer is present ints	l O	geografia
	discontinui	Contaminant Migration -Data ties exist between the dischar on gradient drinking water sur	ge, release or known exte		5	<i>.</i> >
4. ENY	IRONMEN	TAL VÜLNERABILII	Y ASSESSMENT		•	
Cor		Concentrations roundwater Quality The work	st case monitor or supply	well, assign only one		
	1.	At less than 10 times the 2		; award 5 points	· • • • • • • • • • • • • • • • • • • •	er Zajaktiva
	2.	Between 10 and 100 times t	OR he 2L groundwater stand OR	lards; award 20 points	······································	
•	3,	Greater than 100 times the		is; award 40 points	40)
	. 4.	Free Product; award 80 poi				
Co	ntaminant T A. Predomini	ypes ant Contamination Type				•
	1.	Low boiling point petroleu	m products (gasoline, av	iation fuel); award 20 points	20)
	2.	High boiling point petroleuproducts); award 0 points	ım products (fuel oil, ker	osene, diesel fuel or similar		
			SECTION II. Re	elease Ranking		

Soil

A. Abated or	ce Abatement Assignment (Award Points and Assign Letter)	
1. 2.	100 points and assign Letter A OR UST release has been abated. However, contaminated soil continues to release	
Soil below 4. Residential	or UST release has been abated. Contaminated soil has been removed or remediated; Award 0 points and assign Letter R SECTION III. Source Abatement Assignment	-0.R
•	Rank and Abatement Score Total: Risk, Rank and Abatement Score action I, total all points from Section II and III, and insert abatement letter from Section III)	275 R

Upon completion transfer final score to box on page I.