Leak Detection Inspection					
I. Ownership of Tank(s)			II. Loc	ation of Tank	s)
Owner Name (Corporation, Individual, Public Agency or othe	er entity):	Facility	y Name or Company S	ite Identifier, <u>if differer</u>	nt from left
Street Address		Street	Address or State Road	d, as applicable	
City State Zip Code	9	City (n	earest)	State	Zip Code
Area Code Phone Number		Area C	ode Phone Number		
Contact Person At LIST Location		Numb	or of Tanks at This I or	ation.	
Tank presently in use (circle)	Tacility has mo	1	anks, photocopy page and	Tank 3	
If not, date last used	Talik	<u> </u>			
If emotied, verify 1" or less of product in tank					
Month and Year Tank Installed					
Material of Construction					
Capacity of Tank (in gallons)					
Substance Stored					
IV.A. Release Detection For Tanks	Check t	the release	e detection method(s) used	for each tank or N/A if no	one required.
Manual Tank Gauging (tanks under 1,000 gal.)					
Manual Tank Gauging and Tank Tightness Testing (tanks under 2,000 gal.)					
Tank Tightness Testing and Inventory Control					
Automatic Tank Gauging					
Vapor, Groundwater or Interstitial Monitoring					
Other approved method					
IV.B. Release Detection For Piping			Check the release de	tection method(s) used fo	r piping.
Check Pressurized (P) or Suction (S) Piping for each tank					
Automatic Line Leak Detectors, and check one					
Vapor or Groundwater Monitoring					
Secondary Containment with Monitoring					
Line Tightness Testing					

I_____certify that I have inspected the above facility on _____

V. Financial Assurance

Does the facility have a financial assurance mechanism? Yes__ No__ (provide comments as to compliance status for 40 C.F.R. Part 280 Subpart H.)

VI. Spill/Overfill Prevention				
	Tank 1	Tank 2	Tank 3	Tank 4
Are all tank transfers less than 25 gallons?	Yes No	Yes No	Yes No	Yes No
Spill Prevention				
Is there a spill bucket or another device that will prevent release of product to the environment (such as a dry disconnect coupling)?	Yes No	Yes No	Yes No	Yes No
Overfill Prevention				
What device is used to prevent tank from being overfilled?				
Ball float valve	Yes No	Yes No	Yes No	Yes No
Butterfly valve (in fill pipe)	Yes No	Yes No	Yes No	Yes No
Automatic alarm monitoring is used	Yes No	Yes No	Yes No	Yes No
Other alarm system	Yes No	Yes No	Yes No	Yes No

VII. Cathodic Protection					
	Tank 1	Tank 2	Tank 3	Tank 4	
Sacrificial Anode System					
Test results show a negative voltage of at least 0.85 Volts (using the tank and a copper/copper sulfate cell)?	Yes No	Yes No	Yes No	Yes No	
The last two test results are available. (Tests are required every three years.)	Yes No	Yes No	Yes No	Yes No	
Impressed Current		-	-	-	
Rectifier is on 24 hours a day?	Yes No	Yes No	Yes No	Yes No	
The last two test results are available? (Tests are required every 60 days.)	Yes No	Yes No	Yes No	Yes No	
Test results show a negative voltage of at least 0.85 Volts (using the tank and a copper/copper sulfate cell)?	Yes No	Yes No	Yes No	Yes No	
Comments:					

Leak Detection for Piping

Pressurized Piping A method must be selected from each set. W last test. If this facility has more than 4 tanks, complete information for all additional piping.	here applicable i please photocop	ndicate date of by this page and		
Set 1	Tank 1	Tank 2	Tank 3	Tank 4
Automatic Flow Restrictor				
Automatic Shut-off Device				
Continuous Alarm System				
and				
Set 2				
Annual Line Tightness Testing				
Interstitial Monitoring				
If Interstitial Monitoring, documentation of monthly monitoring is available				
Ground-Water or Vapor Monitoring				
If Ground-Water or Vapor Monitoring, documentation of monthly monitoring is available				
Other Approved Method (specify in comments section)				
Suction Piping. Indicate date of most recent test.	1			
Line Tightness Testing (required every 3 years)				
Secondary Containment with Interstitial Monitoring				
Ground-Water or Vapor Monitoring				
Other Approved Method (specify in comments section)				
No Leak Detection Required (must answer yes to all of the following questions)				
Operates at less than atmospheric pressure				
Has only one check valve, which is located directly under pump				
Slope of piping allows product to drain back into tank when suction released				
All above information on suction piping is verifiable				
On the back of this sheet, please sketch the site, noting all piping runs, ta substances stored) and location of wells and their distance from tanks an	anks (including si Id piping.	ze and		
Comments:				

Facility ID Number					
Vapor Monito	oring				
Name of monitoring device:					
Date system installed Number of monitoring wells					
Distance of monitoring well(s) from tank(s) (1) (2)	(3)				
(4) Site assessment was conducted by:					
Location of site assessment documentation:					
Please indicate yes or no for each tank Please complete all inform more than 4 tanks, please the information for addition	nation for each tank. If photocopy this page a nal tanks.	facility has and complete		I	
	Tank 1	Tank 2	Tank 3	Tank 4	
Well is clearly marked and secured.					
Well caps are tight.					
Well is constructed so that monitoring device is not rendered inoperative by moisture or other interferences.					
Well is free of debris or has other indications that it has been recently checked.					
Please answer yes or no for each question					
UST excavation zone was assessed prior to vapor monitoring system installation.	Yes	No			
One or more USTs is/are included in system.	Yes	No			
If the system is automatic, check the following:					
Power box is accessible and power light is on.	Yes	No			
Documentation of monthly readings is available for last 12 months.	Yes	No			
Equipment used to take readings is accessible and functional.	Yes	No			
Vapor monitoring equipment has been calibrated within the last year.	Yes	No			
If the system is manual, check the following:					
Documentation of monthly readings is available for last 12 months.	Yes	No			
Equipment used to take readings is accessible and functional.	Yes	No			
Vapor monitoring equipment has been calibrated within the last year.	Yes	No			
Porous material was used for backfill.	Yes	No			
Wells are placed within the excavation zone.	Yes	No			
Level of background contamination is known. If so what is level?	Yes	No			
On the back of this sheet, please sketch the site, noting all piping runs, tanks substances stored) and location of wells and their distance from tanks and pi	(including size and ping.				

Comments:___

Manual Tank Gauging

Manual tank gauging may be used as the sole method of leak detection only for tanks of 1,000 gal. or fewer or in combination with tank tightness testing for tanks of up to 2,000 gal.

Please indicate the number of the tank or tanks for which manual tank gauging is used as the main leak detection method (e.g., tanks 1 & 4):_____

Please answer yes o	r no for each question			
Records show liquid level beginning and end of peric 44, 58) hours during which removed from the tank.	measurements are taken at od of at least ([Circle one] 36, n no liquid is added to or	Yes	No	
Level measurements are b consecutive stick readings period.	based on average of two at both beginning and end o	Yes	No	
Monthly average of variation between beginning and end measurements is less than standard shown below for corresponding size and dimensions of tank and waiting time.			Yes	No
Gauge stick is long enoug Ends of gauge stick are fla	h to reach bottom of the tank at and not worn down.		Yes	No
Gauge stick is marked leg determined to the nearest	ibly and product level can be one-eighth of an inch.		Yes	No
MTG is used as sole method of leak detection for tank.			Yes	No
MTG is used in conjunction with tank tightness testing.			Yes	No
Are all tanks for which MTG is used under 2,000 gallons in capacity?			Yes	No
Are monitoring records available for the last 12 month period?				
Are monitoring records ava period?	ailable for the last 12 month		Yes	No
Are monitoring records ava period? Check One:	ailable for the last 12 month Nominal Tank Capacity (in gallons)	Tank Dimensions	Yes Monthly Standard (in gallons)	No Minimum Test Duration
Are monitoring records ava period? Check One: ()	Nominal Tank Capacity (in gallons)	Tank Dimensions	Yes Monthly Standard (in gallons) 5	No Minimum Test Duration 36 hours
Are monitoring records available period? Check One: () ()	ailable for the last 12 month Nominal Tank Capacity (in gallons) 550 551 - 1,000	Tank Dimensions N/A N/A	Yes Monthly Standard (in gallons) 5 7	No Minimum Test Duration 36 hours 36 hours
Are monitoring records available Check One: () () () ()	Average Averag	Tank Dimensions N/A N/A 64" diameter x 73" length	Yes Monthly Standard (in gallons) 5 7 4	No Minimum Test Duration 36 hours 36 hours 44 hours
Are monitoring records available Check One: () () () () ()	A Nominal Tank Capacity (in gallons) 550 551 - 1,000 1,000 1,000	Tank Dimensions N/A N/A 64" diameter x 73" length 48" diameter x 128" length	Yes Monthly Standard (in gallons) 5 7 4 6	No Minimum Test Duration 36 hours 36 hours 44 hours 58 hours
Are monitoring records available period? Check One: () () () () ()	Nominal Tank Capacity (in gallons) 550 551 - 1,000 1,000 1,001 - 2,000*	Tank Dimensions N/A N/A 64" diameter x 73" length 48" diameter x 128" length N/A	Yes Monthly Standard (in gallons) 5 7 4 6 6 13	No Minimum Test Duration 36 hours 36 hours 44 hours 58 hours 36 hours
Are monitoring records available Check One: () () () () () * Manual tank gauging mu gal. and less than 2,000 ga	Average and a set of the last 12 month Nominal Tank Capacity (in gallons) 550 551 - 1,000 1,000 1,000 1,001 - 2,000* st be used in combination withal.	Tank Dimensions N/A N/A 64" diameter x 73" length 48" diameter x 128" length N/A N/A th tank tightness testing for the set of t	Yes Monthly Standard (in gallons) 5 7 4 6 13 tanks over 1,000	No Minimum Test Duration 36 hours 36 hours 44 hours 58 hours 36 hours

Date:

G	round \	Water Mor	nitoring		
Date System Installed:				_	
Distance of well from tank(s) (1)	(2)	(3)	(4)		
Distance of well from piping (1)	(2)	(3)	(4)		
Site assessment was conducted by:					
Location of site assessment documentation	:			_	
Please answer each question of each	ach well	If there are more than	4 wells, please photoco	ppy this page and	
		complete the information	on for all additional well Well 2	s. Well 3	Well 4
Well is clearly marked and secured to avoid unauthorized access or tampering.					
Well was opened and presence of water was observed in well at depth of					
Please answer yes or no for each	question				
Wells are used to monitor piping.	•			Yes	No
Site assessment was performed prior to ins	tallation of wells	5.		Yes	No
Documentation of monthly readings is availa	able.			Yes	No
Specific gravity of product is less than one.				Yes	No
Hydraulic conductivity of soil between UST wells is not less than 0.01 cm/sec. Accordin	system and mo ng to:	nitoring		Yes	No
Groundwater is not more than 20 feet from	ground surface.			Yes	No
Wells are sealed from the ground surface to	top of filter pa	ck.		Yes	No
Continuous monitoring device or manual ba detect the presence of at least one-eighth o top of groundwater in well.	iling method us f an inch of the	ed can product on		Yes	No
Groundwater is monitored:() Manually on a () Automatica [Circle one]).	monthly basis.	y or monthly basis			
Check the following if groundwater is monitors accessible and functional.	ored <u>manually</u> :	Bailer used		Yes	No
Check the following if groundwater is monito Monitoring box is operational.	ored <u>automatica</u>	ally:		Yes	No
Checked for presence of sensor in monitori	ng well.			Yes	No
On the back of this sheet, please sketch the substances stored) and location of wells an	site, noting all d their distance	piping runs, tanks (ir from tanks and pipir	ncluding size and a.		
			3.		
				_	
				_	
Inspector's Signature:		[Date:		

Inventory Control & Tank Tightness Testin	g
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Method of tank tightness testing:

Please complete all information for each tank	If this facility has n of this page.	nore than 4 tanks m	ake extra copies	
	Tank 1	Tank 2	Tank 3	Tank 4
Date of last tank tightness test.				
Did tank pass test? Indicate yes or no. If no, specify in comments section below the status of the tank or what actions have been taken (e.g., has state been notified?)				
Documentation of deliveries and sales balances with daily measurements of liquid volume in tank are maintained and available.				
Overages or shortages are less than 1% + 130 gals of tank's flow through volume.				
If no, which months were not?				
Please answer yes or no for each question				
Owner/operator can explain inventory control methods and figures us recorded.	ed and		Yes	No
Records include monthly water monitoring.			Yes	No
Tank inventory reconciled before and after fuel delivery.			Yes	No
Books are reconciled monthly.			Yes	No
Appropriate calibration chart is used for calculating volume.			Yes	No
Dispenser pumps are calibrated to within 6 cubic inches per five gallo	ns.		Yes	No
The drop tube in the fill pipe extends to within one foot of tank bottom			Yes	No
Owner can demonstrate consistency in dipsticking techniques.			Yes	No
The dipstick is long enough to reach the bottom of the tank.			Yes	No
The ends of the gauge stick are flat and not worn down.			Yes	No
The dipstick is marked legibly and product level can be determined to nearest 1/8 inch.	the		Yes	No
The tank has been tested within one year and has passed the tightness test (if necessary).		Yes	No	
A third party certification of the tank tightness test method is available	2.		Yes	No
Tank tester complied with all certification requirements.			Yes	No
Monitoring and testing are maintained and available for the past 12 m	onths.		Yes	No

Interstitial Monitoring

Manufacturer and name of system:

Date system installed:

Materials used for secondary barrier:

Materials used for internal lining:

Interstitial space is monitored (Circle one): automatically, continuously, monthly basis.

Please answer yes or no for each question

All tanks in system are fitted with secondary containment and interstitial monitoring.	Yes	No	N/A
System is designed to detect release from any portion of UST system that routinely contains product.	Yes	No	N/A
Monitoring method is documented as capable of detecting a leak as small as .1 gal./hr. with at least a 95% probability of detection and a probability of false alarm of no more than 5%.	Yes	No	N/A
Documentation of monthly readings is available for last 12 months.	Yes	No	N/A
Maintenance and calibration documents and records are available and indicate appropriate maintenance procedures for system have been implemented.	Yes	Νο	N/A
Monitoring box, if present, is operational.	Yes	No	N/A
If monitoring wells are part of leak detection system, monitoring wells are clearly marked and secured to avoid unauthorized access and tampering.	Yes	Νο	N/A
Interstitial space is monitored manually on monthly basis (answer the following question).	Yes	No	N/A
Equipment used to take readings is accessible and functional.	Yes	No	N/A
Tank is double-walled	Yes	No	N/A
Tank is fitted with internal bladder to achieve secondary containment (answer the following question).	Yes	No	N/A
Bladder is compatible with substance stored and will not deteriorate in the presence of that substance.	Yes	No	N/A
Excavation is lined with impervious artificial material to achieve secondary containment (answer the following questions).	Yes	Νο	N/A
Secondary barrier is always above groundwater.	Yes	No	N/A
If secondary barrier is not always above groundwater, secondary barrier and monitoring designs are for use under such conditions.	Yes	No	N/A
Secondary barrier is constructed from artificially constructed material, with permeability to substance < 10 ⁶ cm/sec.	Yes	Νο	N/A
Secondary barrier is compatible with the regulated substances stored and will not deteriorate in presence of that substance.	Yes	Νο	N/A
Secondary barrier does not interfere with operation of cathodic protection system.	Yes	No	N/A

Comments:_

Inspector's Signature: _

Date: _

Automatic Tank Gauging

Manufacturer, name and model number of system:

Please answer yes or no for each question		
Device documentation is available at site (e.g., manufacturer's brochures, owner's manual).	Yes	No
Device can measure height of product to nearest one- eighth of an inch.	Yes	No
Documentation shows that water in bottom of tank is checked monthly to nearest one-eighth of an inch.	Yes	No
Documentation is available that the ATG was in test mode a minimum of once a month.	Yes	No
Checked for presence of gauge in tanks.	Yes	No
Checked for presence of monitoring box and evidence that device is working (i.e., device is equipped with roll of paper for results documentation).	Yes	No
Owner/operator has documentation on file verifying method meets minimum performance standards of .20 gph with probability of detection of 95% and probability of false alarm of 5% for automatic tank gauging (e.g., results sheets under EPA's "Standard Test Procedures for Evaluating Leak Detection Methods")	Yes	No
Checked documentation that system was installed, calibrated, and maintained according to manufacturer's instructions.	Yes	No
Maintenance records are available upon request.	Yes	No
Monthly testing records are available for the past 12 months.	Yes	No
Daily monitoring records are available for the past 12 months (if applicable).	Yes	No

Comments:

Inspector's Signature:

Date:

Statistical Inventory Reconciliation

		/11		
Please complete all information for each tank If this facility has more than 4 tanks, please photocopy this page and complete the information for all additional tanks.				
Documentation of deliveries and sales balances with daily measurements of liquid volume in tank are maintained and available.				
Please answer yes or no for each question				
Records include monthly water monitoring.		Yes	No	
Tank inventory reconciled before and after fuel delivery.		Yes	No	
Appropriate calibration chart is used for calculating volume.		Yes	No	
Dispenser pumps are calibrated to within 6 cubic inches per f gallons.	ive	Yes	No	
The drop tube in the fill pipe extends to within one foot of tank	k bottom.	Yes	No	
Answer one of the following three:				
1) Owner can demonstrate consistency in dipsticking technic	jues.	Yes	No	
a) The dipstick is long enough to reach the bottom of the ta	nk.	Yes	No	
b) The end of the gauge stick is flat and not worn down.		Yes	No	
c) The dipstick is legible & the product level can be determi nearest 1/8th inch.	ned to the	Yes	No	
<u>OR</u>				
2) Automatic tank gauge is used for readings.		Yes	No	
<u>OR</u>				
 Other method is used for readings (explain in comment se below). 	ection	Yes	No	
A third-party certification of the SIR method is available.		Yes	No	
Monitoring and testing records are maintained and available f past 12 months.	ior the	Yes	No	
Comments:				
Inspector's Signature:	Date:			

Facility ID Number_

	Permanen	t Tanl	k Clo	osure			
Facility Name:	Facility/Tank Information						
Street Address:							
City:	State:		Zip Code	:			
Name of Contact:							
Current Owner of Facility:							
Tank Closure Questio	ns (§280.71 - §280.74)						
Number of Tanks Closed:	Description of Tanks:						
Date of Closure:	Owner at Closure:						
Method of Closure (Circle or	ne) Filled with Inert Material	Removal	Other				
If Other, Describe:							
Was State and/or EPA Notif	ied of Tank(s) Closure?	Yes	No				
Does the facility have a tank (if yes, inspector should revi	c closure report? ew for details)	Yes	No				
Was Tank(s) Emptied and C	Cleaned Before Closure?	Yes	No				
If yes, describe method	l:						
Was Tank Tightness Test Policy If yes, are records av	erformed Before Closure? ailable? or fail test?		Yes Yes	No No			
Was a Site Assessment perfor	med? (Note: internal LD method,	site assessn	nent need	led; ant needed)	Yes	Νο	
Did O/O measure for the prese If yes, do the data ind If yes: (1) Was the tau If yes, what is the LU	ence of a release where contamin dicate contaminated soils and/or nk closed because it was leaking IST number	ation is most groundwater ?	t likely to (obtain c	exist before clos opy of the data)	sure? Yes ? Yes Yes	No No No	
(2) Describe extent and r	nagnitude of contamination						
(3) Does it appear, based	I on analytical data, that all conta	nination was	effective	ly removed?	Yes	No	
Does the facility maintain all records that are capable of demonstrating compliance with closure requirem for at least 3 years after completion of permanent closure?					irements Yes	Νο	
Comments:							
Inspector's Signature:						Date:	