1998 Requirements Inspection Checklist

PART I. OWNER/OPERATOR INFORMATION

1. Facility Name: Izaty's Golf and Yacht Club
2. Owner: _____
3. Operator: (612-369-5529 Jason Toulliette (Tracy Bohall))
4. Contact Person: * Steve Tideman POC at marina
5. UST Site Phone #: 320-532-4083
6. Date of Visit: 8/14/127. Marketer. X Non-Mktr. ___
8. Site Arrive/Depart (Time): 3:30 14:15
9. Facility Address: 40005 85th Ave Onamia, MN.
10. Team Member(s): Scott Hansen

PART II. UST SITE INFORMATION Steve Tideman POC

1. Tank #:	1	2	3	4	5	6	7
2. Tank Type:	Steel						
3. Piping Type:	Coated steel pressure system						
4. Size of Tank:	1K						
5. Tank Contents:	GAS						
	LD TANK - SIR - Minnesota Petroleum Marketers - only may 2012						
6. Install Date:	5/12/88	/ /	/ /	/ /	/ /	/ /	/ /
	ALLO-mechanical						
7. Closure Date:	/ /	/ /	/ /	/ /	/ /	/ /	/ /
Type:	Perm__Temp__	Perm__Temp__	Perm__Temp__	Perm__Temp__	Perm__Temp__	Perm__Temp__	Perm__Temp__
State Form:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
8. Spill:	Yes X No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
9. Overfill:	Yes X No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
Type:	Vent Whistle - installed 11-21-2011 have not notified "whistle".						
10. System Repair:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
Repair Date:	/ /	/ /	/ /	/ /	/ /	/ /	/ /
11. CP (Tank):	Yes X No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
Date:	/ /	/ /	/ /	/ /	/ /	/ /	/ /
Type:	Anode - Pass CP test 9-3-11 (see copy)						
12. CP (Piping):	Yes X No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__
Date:	/ /	/ /	/ /	/ /	/ /	/ /	/ /
Type:	Anode. Pass CP test 9-3-11 (see copy)						

13. CP Monitoring: **[For all cathodic protection systems (Galvanic Anodes and Impressed Current Systems)]**

6 Mo./ 3 Yrs:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__

Note: Monitoring conducted within six months of installation and three years after initial monitoring. [§280.31(b)(1)]

Six Months:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__

Note: Monitoring conducted within six months of any repairs to UST system. [§280.33(e)]

Records:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__

Note: Records on file of last two monitoring results. [§280.31(d)(2)]

14. CP Monitoring: **[For Impressed Current Systems only]**

60 Day Inspect:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__

Note: System is inspected every 60 days, involves reading and recording system voltage and amperage. [§280.31(c)]

Records:	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__	Yes__No__

Note: Records on file of last three voltage and amperage readings. [§280.31(d)(1)]

1998 Requirements Inspection Checklist

PART III. DOCUMENTS DELIVERED (Please ✓)

40 CFR Part 280 __ Musts for USTs __ Straight Talk On Tanks __ State Closure Form __

Other: _____

PART IV. RECOMMENDATION(S) AND NARRATIVE COMMENTS

1. **No further action is recommended/necessary: Yes** X **No** __

Notes: Need to produce June, July SIR "Records"
[If yes, indicate below.] Need to have functionality & Precision test by 8-24-12

2. Facility will provide information certifying compliance with 1998 requirements: Yes__ No__ n/a__ Due Date: __/__/__

Notes: _____

3. Follow-up inspection recommended: Yes X No __ Est. Date: __/__/__ [If yes, state reason(s) why.]

Notes: Oct - Nov to verify temp closure <1" prod.

4. Information Request Letter (IRL): Yes __ No __ Date: __/__/__ [If yes, a full narrative report is required in addition to this checklist.]

Notes: _____

5. Notice of Violation (NOV): Yes __ No __ Date: __/__/__ [If yes, a full narrative report is required in addition to this checklist.]

Notes: _____

6. Field Citation (FC): Yes __ No __ Date: __/__/__ [If yes, a full narrative report is required in addition to this checklist.]

Notes: _____

7. Administrative Order (AO): Yes __ No __ Est. Date: __/__/__ [If yes, a full narrative report is required in addition to this checklist.]

Notes: _____

8. Refer to State Agency: Yes __ No __ Est. Date: __/__/__ [If yes, a full narrative report may be required in addition to this checklist.]

Notes: _____

9. Lead Inspector's Remarks: Need Functionality Test and Precision Test by 8-24-1
see copies - Need to show us

10. Additional Remarks/Comments:

see SIR copy ✓ May 2012 Pass Report Date 07/03/2012
June 2012 } Records were not available on-site
July 2012 } Steve was going to check w/ MPM (SIR vendor
8-18-12 - Function Test and precission test was going to be conducted by contractor -
MPM -

FILE NUMBER: _____

Scott Hansen 8/14/12
Lead Inspector Signature Date

_____ __/__/__
Supervisor Signature Date

CUSTOMER COPY

ZAHL-PETROLEUM MAINTENANCE CO.

DIV. OF DAN LARSON ENTERPRISES, INC.
Sales, Service, Installation of Petroleum Equipment Since 1952
3101 SPRING STREET N.E. • MINNEAPOLIS, MN 55413
PHONE (612) 331-8550 MN WATS (800) 462-5336
FAX (612) 331-8553 www.zahl-pmc.com

INVOICE

INVOICE NUMBER	0174314-IN
INVOICE DATE	11/21/2011
SALESPERSON	CUSTOMER NO.
0000	DIR02

PICKING TICKET:

SOLD TO
TRACY BOHALL
LOAN ADMINISTRATION
7650 EDINBOROUGH WAY #150
EDINA, MN 55435

SHIP TO
IZATY'S GOLF & YACHT CLUB
40005 85TH AVE
Onamia, MN 56359

CUSTOMER P.O.	SHIP VIA	F.O.B.	TERMS
JASON TOLLETTE			C.O.D.

QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	PRICE EACH	DISCOUNT	EXTENSION
		#1 - TEST CATHODIC PROTECTION AS PER BID DATED 8/17/11 - TESTING PASSED PER ATTACHED			
0.00	0.00	AS PER BID AMOUNT /M	0.00	0.00 %	625.00
		#2 - ANNUAL LINE AND LEAK DETECTOR FUNCTION TESTING AS PER BID DATED 8/17/11 - TESTING PASSED PER ATTACHED			
0.00	0.00	AS PER BID AMOUNT /M	0.00	0.00 %	790.00
		#3 - HAND DIG DOWN TO VENT LINE CONNECTION AT TANK TOP - BREAK CONNECTION AND INSTALL VENT WHISTLE AS PER EPA MARK RESTAINO - RECONNECT VENT LINE - BACKFILL AS LISTED: NOTE: REGULAR LABOR RATE IS $ 79.50 BILLED AT TESTING RATE OF $ 74.50			
0.00	0.00	LABOR 6.5 HRS @ 74.50 /03	0.00	0.00 %	484.25
0.00	0.00	MILEAGE/TRIP CHARGE /04	0.00	0.00 %	228.00
0.00	0.00	VENT WHISTLE /M	0.00	0.00 %	40.10
0.00	0.00	FREIGHT /M	0.00	0.00 %	8.00

Continued

ERRORS SUBJECT TO CORRECTION; CLAIMS FOR DEDUCTIONS ON THIS BILL MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF GOODS. ON RECEIPT OF BILL OF LADING FROM TRANSPORTATION COMPANY, OUR RESPONSIBILITY CEASES. WE CANNOT BE RESPONSIBLE FOR LOSSES OR DELAYS RESULTING FROM EMBARGOES, STRIKES, ACCIDENTS, DELAYS OR NEGLIGENCE OF TRANSPORTATION COMPANIES, OR OTHER CAUSES BEYOND OUR CONTROL. INTEREST WILL BE CHARGED ON ALL PAST DUE ACCOUNTS.

Thank you, we appreciate your business!

An Equal Opportunity Employer

CUSTOMER COPY

ZAHL-PETROLEUM MAINTENANCE CO.

DIV. OF DAN LARSON ENTERPRISES, INC.
Sales, Service, Installation of Petroleum Equipment Since 1952
3101 SPRING STREET N.E. • MINNEAPOLIS, MN 55413
PHONE (612) 331-8550 MN WATS (800) 462-5336
FAX (612) 331-8553 www.zahl-pmc.com

INVOICE

INVOICE NUMBER	0174314-IN
INVOICE DATE	11/21/2011
SALESPERSON	CUSTOMER NO.
0000	DIR02

PICKING TICKET:

SOLD TO
TRACY BOHALL
LOAN ADMINISTRATION
7650 EDINBOROUGH WAY #150
EDINA, MN 55435

SHIP TO
IZATY'S GOLF & YACHT CLUB
40005 85TH AVE
Onamia, MN 56359

CUSTOMER P.O.	SHIP VIA	F.O.B.	TERMS
JASON TOLLETTE			C.O.D.

QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	PRICE EACH	DISCOUNT	EXTENSION
		NOTE: THIS SITE WILL BE PLACED ON OUR ANNUAL TESTING LIST AND WE WILL CONTACT YOU IN SEPTEMBER OF 2012 WHEN SITE IS DUE AGAIN			

A 1 1/2% CHARGE ADDED AFTER 30 DAYS
WE ACCEPT VISA/MC & AMERICAN EXPRESS

Net Invoice:	2.175.35
Freight:	0.00
Sales Tax:	0.00
Invoice Total:	2.175.35

ERRORS SUBJECT TO CORRECTION; CLAIMS FOR DEDUCTIONS ON THIS BILL MUST BE MADE WITHIN TEN DAYS AFTER RECEIPT OF GOODS. ON RECEIPT OF BILL OF LADING FROM TRANSPORTATION COMPANY, OUR RESPONSIBILITY CEASES. WE CANNOT BE RESPONSIBLE FOR LOSSES OR DELAYS RESULTING FROM EMBARGOES, STRIKES, ACCIDENTS, DELAYS OR NEGLIGENCE OF TRANSPORTATION COMPANIES, OR OTHER CAUSES BEYOND OUR CONTROL. INTEREST WILL BE CHARGED ON ALL PAST DUE ACCOUNTS.

Thank you, we appreciate your business!

An Equal Opportunity Employer

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Underground Storage Tanks

Cathodic Protection System Evaluation
Sacrificial Anode Type

MPCA Use Only	
Site #:	
County:	
Date rec'd:	

Submit this form to the MPCA within 30 days after conducting an evaluation of a regulated underground storage tank (UST) system with a **sacrificial anode (galvanic)** type cathodic protection system.

Ways to submit:

- Mail: Attn: Joann Henry at above address
- Fax: 651-297-2343 or 651-297-8683, Attn: Joann Henry

Important:

- Form must be completed and signed by a qualified Cathodic Protection Tester.
- Evaluation must be in accordance with NACE RP0285, Corrosion Control of UST Systems by Cathodic Protection.
- At least two test points per tank and per piping run must be utilized.
- A site diagram showing tank and piping locations and reference cell placement must be provided.
- **Incomplete and unsigned forms will be returned.**

Site Information

Site name: IBATY'S GOLF & YACHT CLUB
Address: 40005 85th AVE
City: ONAMIA State: MN Zip code: 56359
Phone: County: Site #(if known):

Owner Information

Site name: Phone:
Address:
City: State: Zip code:

Cathodic Protection Tester Information

Site name: ZAHL-PETROLEUM MAINTENANCE COMPANY SCOTT MEYER
Address: 3101 SPRING ST NE
City: MINNEAPOLIS State: MN Zip code: 55413
Phone: 612-331-8550 STI certification #: CP-SP07-04 NACE certification #:

Reason for Evaluation

- [x] Routine three-year evaluation
- [ ] Re-evaluation within six months of installation
- [ ] Re-evaluation with six months of a repair/modification

Result of Evaluation

- [x] Pass — All protected structures at this facility pass the cathodic protection evaluation. Cathodic protection is adequate (-.850 mv or greater) to protect the UST system.
- [ ] Fail — One or more protected structures at this facility fail the cathodic protection evaluation. Cathodic protection is inadequate (-.850 mv or less) to protect the UST system. **See results on back.**

Action Required

- [x] None — Cathodic protection is adequate. No further action is necessary at this time.
- [ ] Repair & Retest — Cathodic protection is not adequate. Repair/modification is necessary as soon as possible, not to exceed 60 days. Re-evaluation required within 6 months of repair/modification.

Test again no later than (mm/dd/yyyy): 9-3-2014

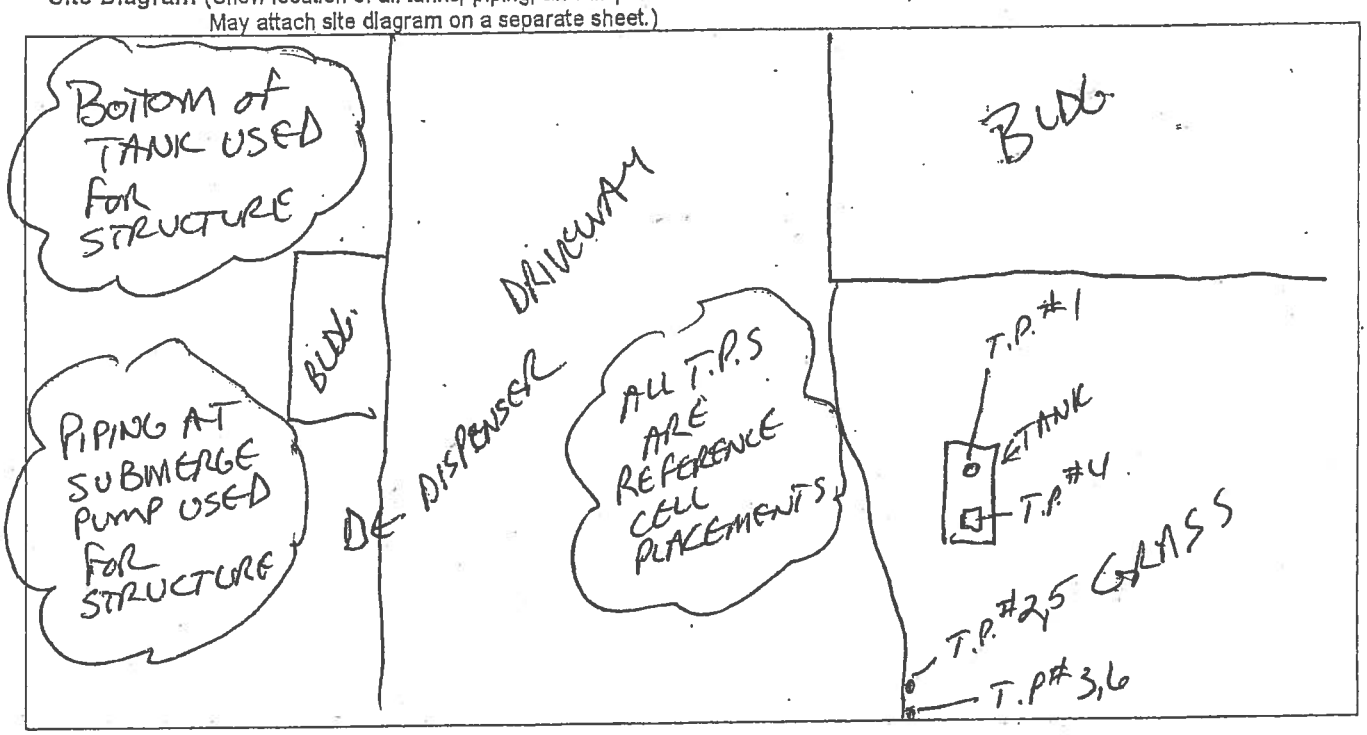
Test Results

Test Point	Structure Description	*Potential Volts (V)	Structure Status
(example)	Tank #1 Diesel	989	Pass
1	TANK BOTTOM	-1.009	PASS
2	" "	-.960	"
3	" "	-.956	"
4	PIPING AT SUB	-.871	"
5	" " "	-.862	"
6	" " "	-.858	"
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			

Structure Isolation	Voltage	Isolated
Tank to tank		
Tank to conduit		
Tank to pipe		
Pipe to pipe		
Pipe to conduit		

Half-cell placement (Describe soil type, e.g. clay, gravel, black dirt): SAND

Site Diagram (Show location of all tanks, piping, and dispensers. Show each half-cell placement. Number each test point. May attach site diagram on a separate sheet.)



Signature of Cathodic Protection Tester: [signature]

Date of evaluation: (mm/dd/yyyy) 9-3-11

Date: 9-24-11

To: Zahys Golf & Yacht Club
4005 75th Ave
Ontario NY

FOR TANK, LINE, AND LEAK DETECTORS TESTS AT STATION # _____
LOCATED AT: _____

Tank Size:	Product :	Passed or Failed:

Product Tested:	Line Passed or Failed:	Leak Detector Passed or Failed:
Prem	PASSED	PASSED

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. The manufacture of this test method or Zahl/PMC does not assume any responsibility or liability for any loss of product to the environment. This is a compliance test.

Tank Owner/Operator_____
Date_____

ZAHL-PETROLEUM MAINTENANCE CO.

DIV. OF DAN LARSON ENTERPRISES, INC.
Sales, Service, Installation of Petroleum Equipment Since 1952
www.zahl-pmc.com

LEAK DETECTION TEST

DATE: 9-24-11

CUSTOMER Izatys Golf Yacht Club STATION #
ADDRESS 4000 S 85th Ave
Bloomington MN

TEST #1 - PRODUCT Prem

3 GPH X 4 GPH 5 GPH 6 GPH

PASS X FAIL NOTES:

TEST #2 – PRODUCT

3 GPH 4 GPH 5 GPH 6 GPH

PASS FAIL NOTES:

TEST #3 – PRODUCT

3 GPH 4 GPH 5 GPH 6 GPH

PASS FAIL NOTES:

TEST #4 – PRODUCT

3 GPH 4 GPH 5 GPH 6 GPH

PASS FAIL NOTES:

TEST #5 – PRODUCT

3 GPH 4 GPH 5 GPH 6 GPH

PASS FAIL NOTES:

3101 SPRING STREET N.E. - MINNEAPOLIS, MN 55413
PHONE: (612) 331-8550 - FAX: (612) 331-8553
EQUAL OPPORTUNITY EMPLOYER

DATA CHART
For Use With
petro tite

STATION NUMBER _____ DATE 9-24-11

1 LOCATION: 9000 S 85th Ave ONAMIA MN
Street No. and/or Corner — City — State — Telephone No.

2 OWNER: J ZAYYS GOLF + YACHT CLUB
Name — Address — Representative — Position — Telephone No.

3 OPERATOR: _____
Name — Dealer, Mgr. or Other — Address (If different than Location) — Telephone No.

4 REASON FOR TEST ANNUAL TESTING

5 TEST REQUESTED BY: _____
Name — Position — Telephone No.

6 SPECIAL INSTRUCTIONS: _____

7 CONTRACTOR OR COMPANY MAKING TEST MECHANIC(S) NAME ZAHL Petroleum MINT Brad Fenning

8 IS A TANK TEST TO BE MADE WITH THIS LINE TEST? ☐ YES ☒ NO

9 MAKE AND TYPE OF PUMP OR DISPENSERS (SUCTION OR SUBMERSIBLE) FCO Jacked Sub Bennett Dispenser

10 WEATHER _____ TEMPERATURE IN TANKS _____ °F _____ °C COVER OVER LINES Concrete (Concrete, Black Top, etc.) APPROXIMATE BURIAL DEPTH 2'-3'

11 IDENTIFY EACH LINE AS TESTED	12 TIME (MILITARY)	13 LOG OF TEST PROCEDURES, AMBIENT TEMPERATURE, WEATHER, ETC.	14 PRESSURE psi OR kPa BEFORE	14 PRESSURE psi OR kPa AFTER	15 VOLUME READING BEFORE	15 VOLUME READING AFTER	15 VOLUME NET CHANGE	16 REMARKS SIZE, LENGTH & TYPE OF LINE, # FLEX CONNECTORS CONCLUSIONS, REPAIRS AND COMMENTS
Prem	9:30	START Line test		50		.0380		
	9:45	Continue Line test	50	50	.0380	.0380	+.0000	
	10:00	END Line test	50	50	.0380	.0380	+.0000	
	10:01	Bleed Back check	50	0	.0380	.0530	+.0150	

18 TEST RESULTS

Tests were made on the above line systems in accordance with test procedures prescribed for as detailed on attached test charts with the results as follows:

Line Identification	Meets Criteria	Net Volume Change Per Hour	Date Tested
prem	yes	+.0000 GPH	9-24-11

17 CONTRACTOR CERTIFICATION

Technician Brad Fenning
Signature
Certification # MN 20102030170

Monthly Statistical Inventory Reconciliation (SIR) Report
May, 2012

MN8325

Company:	IZATYS	Phone:	NA
Address:	40005 85TH AVE ONAMIA, MN 56359		

Station:	MARMA	Phone:	NA
Address:	40005 85TH AVE ONAMIA, MN 56359		

SIR Provider:	USTMAN	Phone:	1-800-253-8054
SIR Version:	95.2B/Rev. 90 *	Report Date:	07/03/2012

Tank	Tank and Line Status	Calculated Leak Rate gph	Product	Capacity Gallons	Sales Gallons	Deliveries Gallons
01	Pass	-0.01	GAS	1000	1378	1650

April 2012 Inconclusive Report Date - 6/18/2012
Check on June and July 2012 ✓

* Additional SIR Certifications may apply. Please contact your SIR account manager at 1-800-253-8054 for more information.

Gilbarco Veeder-Root / Fuel Management Services
7300 W Friendly Ave .PO Box 22087. Greensboro, NC 27420-2087
Phone: 800.253.8054 * Fax: 800.947.4559

Monthly Recap Report with Comments
IZATYS
May, 2012

Status: Pass

Tank: 832501
Station: MARMA
Address: 40005 85TH AVE
ONAMIA, MN 56359

Product: GAS
Capacity: 1000

Date	Closing Stick	Sales	Deliveries	Calculated Inventory	Over/Short	Cummulative O/S
	Gallons	Gallons	Gallons	Gallons	+/- Gallons	Gallons
05/01/2012	450	0	0	450	0	0
05/02/2012	450	0	0	450	0	0
05/03/2012	450	10	0	440	10	10
05/04/2012	442	160	0	290	152	162
05/05/2012	282	0	0	442	-160	2
05/06/2012	282	0	0	282	0	2
05/07/2012	282	0	0	282	0	2
05/08/2012	282	0	0	282	0	2
05/09/2012	284	44	600	838	-554	-552
05/10/2012	820	59	0	225	595	43
05/11/2012	771	0	0	820	-49	-6
05/12/2012	771	65	0	706	65	59
05/13/2012	706	8	0	763	-57	2
05/14/2012	697	67	0	639	58	60
05/15/2012	630	2	0	695	-65	-5
05/16/2012	628	28	0	602	26	21
05/17/2012	600	87	0	541	59	80
05/18/2012	514	0	0	600	-86	-6
05/19/2012	514	63	0	451	63	57
05/20/2012	451	29	0	485	-34	23
05/21/2012	422	50	0	401	21	44
05/22/2012	372	0	0	422	-50	-6
05/23/2012	372	5	500	867	-495	-501
05/24/2012	867	114	0	258	609	108
05/25/2012	753	0	0	867	-114	-6
05/26/2012	753	94	0	659	94	88
05/27/2012	659	198	0	555	104	192
05/28/2012	461	0	0	659	-198	-6
05/29/2012	461	0	0	461	0	-6
05/30/2012	461	137	0	324	137	131
05/31/2012	324	158	550	853	-529	-398
Totals:		**1378**	**1650**			

Comments and Recommendations:

GILBARCO VEEDER-ROOT
Gilbarco Veeder-Root / Fuel Management Services
7300 W Friendly Ave .PO Box 22087. Greensboro, NC 27420-2087
Phone: 800.253.8054 * Fax: 800.947.4559

Monthly Summary with Comments

May, 2012

Tank	Product	Status
MARMA - 40005 85TH AVE - ONAMIA - MN		
832501	GAS	P

Summary

Total Tanks	1	100.0 %	**Fail**	0	0.0 %	**Not Analyzed**	0	0.0 %
Pass	1	100.0 %	**Inconclusive**	0	0.0 %	**No Data**	0	0.0 %

Legend: P - Pass *F* - Fail Inc - Inconclusive ND - No Data Submitted NA - Not Analyzed

GILBARCO VEEDER-ROOT
Gilbarco Veeder-Root / Fuel Management Services
7300 W Friendly Ave .PO Box 22087. Greensboro, NC 27420-2087
Phone: 800.253.8054 * Fax: 800.947.4559

Yearly Summary
IZATYS
May, 2012

Tank	Product	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
MARMA - 40005 85TH AVE - ONAMIA - MN													
832501	GAS											Inc	P

Legend: P - Pass *F* - Fail Inc - Inconclusive ND - No Data Submitted NA - Not Analyzed

GILBARCO VEEDER-ROOT
Gilbarco Veeder-Root / Fuel Management Services
7300 W Friendly Ave .PO Box 22087. Greensboro, NC 27420-2087
Phone: 800.253.8054 * Fax: 800.947.4559

Scott Hansen to: Mark Restaino 08/31/2012 11:45 AM

4 attachments

winmail.dat Scott Hansen.vcf DOC052.pdf DOC050.pdf

Izaty's Golf and Yacht Club

Scott Hansen
Environmental Program Manager
Mille Lacs Band DNR/E
(320) 532-7445 business
(320) 532-7514 fax
(320 630 2439 cell

Facility Name: IZaTY'S Date: 8/14/12 9/24/12 Inspector: S. Hansen Restano

Summary of Significant Operational Compliance	In Compliance? N/A	Y	N
Release Prevention Compliance Measures		X	
Release Detection Compliance Measures Matrix			X
Both			X

Release Prevention Compliance Measures Matrix

Regulatory Subject Area		SOC Measure / Federal Citation	In Compliance? N/A	Y	N
I. Spill Prevention	1	Spill prevention device is present and functional. [280.20(c)(1)(i), 280.21(d)]		X	
II. Overfill Prevention	2	Overfill prevention device is present and operational. [280.20(c)(1)(ii), 280.21(d)] ☐ Automatic shutoff is operational (i.e., device not tampered with or inoperable). [280.20(c)(1)(ii)(A), 280.21(d)] ☒ Alarm is operational. [280.20(c)(1) (ii)(B), 280.21(d)] ☐ Alarm is audible or visible to delivery driver. [280.20(c)(1) (ii)(B), 280.21(d)] ☐ Ball float is operational. [280.20(c)(1)(ii)(B), 280.21(d)]		X	
III a. Operation and Maintenance	3	Repaired tanks and piping were tightness tested within 30 days of repair completion (not required w/internal inspections or if monthly monitoring is in use). [280.33(d)]	X		
III b. Operation and Maintenance of Corrosion Protection	4	CP systems were tested/inspected within 6 months of repair of any cathodically protected UST system. [280.33(e)]	X		
	5	Corrosion protection system is properly operated and maintained to provide continuous protection. [280.31(a)(b), 280.70(a)] ☐ UST system (Choose one) ☒ UST in operation ☐ UST in temporary closure ☐ CP System is properly operated and maintained ☒ CP system is performing adequately based on results of testing. [280.31(b)]; - or - ☐ CP system tested within required period and operator is conducting or has completed appropriate repair in response to test results reflecting CP system not providing adequate protection.		X	
	6	UST systems with impressed current cathodic protection are inspected every 60 days. [280.31(c)]	X		
	7	Lined tanks are inspected periodically and lining is in compliance. [280.21(b)(1)(ii)]	X		
IV. Tank and Piping Corrosion Protection	8	Buried metal tank and piping (which includes fittings, connections, etc.) is corrosion protected. [280.20(a), 280.20(b), 280.21(b), 280.21(c)] ☐ Buried metal piping components (such as swing joints, flex-connectors, etc.) are isolated from the ground or cathodically protected. For new USTs – tanks and piping installed after 12/22/88 [280.20(a), 280.20(b)]: ☐ Steel tank or piping is coated with suitable dielectric material and cathodically protected. [280.20(a)(2), 280.20(b)(2)] ☐ Tank is fiberglass, clad, or jacketed and piping is fiberglass or flexible plastic. [280.20(a)(1), 280.20(a)(3), 280.20(a)(5), 280.20(b)(1), 280.20(b)(4)] ☐ Records are available to document that CP is not necessary. [280.20(a)(4)(ii), 280.20(b)(3)(ii)] For existing USTs – tanks and piping installed on or before 12/22/88 [280.21(b), 280.21(c)]: ☐ Tank and piping meet new UST requirements. [280.21(a)(1)] ☐ Steel tank is internally lined. [280.21 (b)] ☐ Metal tank and piping are cathodically protected. [280.21(b)(2), 280.21(c)]		X	
		Overall SOC With Release Detection Compliance Measures:		X	

Release Detection Compliance Measures Matrix

Regulatory Subject Area		SOC Measure/ Federal Citation	In Compliance? N/A	Y	N
I. Release Detection Method Presence and Performance Requirements	1	**Release detection method is present. [280.40(a)]**		X	
	2	**Release detection system is operating properly (i.e., able to detect a release from any portion of the system that routinely contains product). [(280.40(a)(1)]**		X	
	3	**Release detection system meets specific performance standards in 280.43 or 280.44 (reference worksheet below for applicable standards). [(280.40(a)(3)]**		X	
	4	**Implementing agency has been notified of suspected release as required. [(280.40(b)]** ☐ **Non-passing results reported and resolved in accordance with implementing agency's directions. [280.40(b)]**	X		
II. Release Detection Testing	5	**Tanks and piping are monitored monthly (or a periodic line tightness test is performed) for releases and records are available (must have records for the two most recent consecutive months and for 8 months of the last 12 months). [280.41(a)(b), and 280.45(b)]**			X
III. Hazardous UST	6	**Hazardous substance UST system leak detection meets the requirements (i.e., either secondarily contained or otherwise approved by the implementing agency). [280.42(b)]**	X		
IV. Temporary Closure	7	**Release detection requirements are complied with (i.e., method present, operational, releases investigated and reported as required) for UST systems containing product. [280.70(a)]**	X		
		Overall SOC With Release Detection Compliance Measures:			X

Worksheet - Commonly Used Release Detection Methods

(Use this worksheet to help determine compliance with the release detection matrix.)

Tank (1)	Pressurized Pipe (2)	Non-exempt Suction (1)	Release Detection Method (Applicable items below must be checked for compliance)
☐			**A. Inventory Control with Tank Tightness Testing (T.T.T.)** ☐ Inventory control is conducted properly. ☐ T.T.T. performed as required (See "D" below). ☐ Inventory volume measurements for inputs, withdrawals, and remaining amounts are recorded each operating day and reconciled as required. [280.43(a)(1), 280.43(a)(3)] ☐ Equipment is capable of 1/8-inch measurement. [280.43(a)(2)] ☐ Product dispensing is metered and recorded within local standards for meter calibration to required accuracy. [280.43(a)(5)] ☐ Water is monitored at least monthly. [280.43(a)(6)]
☐			**B. Automatic Tank Gauge (ATG)** ☐ ATG is set up properly. [280.40(a)(2)] ☐ ATG can detect a 0.2 gal/hr leak rate from any portion of the tank routinely containing product. [280.43(d)(1)] ☐ ATG is checking portion of tank that routinely contains product. [280.40(a)(1)]
☐			**C. Manual Tank Gauging (MTG)** ☐ Tank size is appropriate for using MTG. [280.43(b)(5)] ☐ Tanks 1001 gals to 2000 gals (as per EPA memo) restricted to use with T.T.T. (See "D" below) ☐ Method is being conducted correctly. [280.43(b)(4)] ☐ No liquid was added to or taken out of the tank during the test. [280.43(b)(1)] ☐ Equipment is capable of 1/8-inch measurement. [280.43(b)(3)]
☐	☐	☐	**D. Tightness Testing (Safe Suction piping does not require testing)** ☐ Testing method is capable of detecting a 0.1 gal/hr leak rate from any portion of the UST routinely containing product. [280.43(c)] ☐ Tightness testing is conducted within specified time frames for method: ☐ **Tanks** (when combined with IC or MTG) – every 5 years [280.41(a)(1)] ☐ **Pressurized Piping** – annually [280.41(b)(1)(ii)] ☐ **Non-exempt suction piping** – every 3 years [280.41(b)(2)] ☐ Tightness testing is conducted following manufacturer's instructions. [280.40(a)(3)]
☐	☐	☐	**E. Ground Water or Vapor Monitoring** ☐ Ground water in the monitoring well is never more than 20 feet from the ground surface. [280.43(f)(2)] ☐ Vapor monitoring well is not affected by high ground water. [280.43(e)(3)] ☐ Site assessment has been done for vapor or ground water monitoring. [280.43(e)(6), 280.43(f)(7)] ☐ Wells are properly designed and positioned. [280.43(e)(6), 280.43(f)(7)]
☐	☐	☐	**F. Interstitial Monitoring** ☐ Secondary containment can be used to detect a release. [280.43(g)(1)], 280.43(g)(2)] ☐ Sensor properly positioned. [280.40(a)(2)]
	☐		**G. Automatic Line Leak Detector (ALLD)** ☐ ALLD is present and operational. [280.44(a)] ☐ Annual function test of the ALLD has been conducted and records are available. [280.44(a)]
☒	☐	☐	**H. Other Methods [e.g., Statistical Inventory Reconciliation (S.I.R.)]** ☐ The method can detect a 0.2 gallon per hour leak rate or a release of 150 gallons within a month and meet the 95/5 requirement [280.43(h)(1)]; or ☐ The implementing agency has approved the method as being as effective as tank tightness testing, automatic tank gauging, vapor monitoring, ground water monitoring, or interstitial monitoring and the operator complies with any conditions imposed by the implementing agency. [280.43(h)(2)] ☒ S.I.R. - Results are received within time frame established by implementing agency. [280.41(a) & 280.43(h)]