

UST 9857 F.S., 58425191



March 29, 2005 TTEC-SL-2005GEO011

Mr. Chuck Conley Tiger Oil Corporation 2850 Fletcher Boise, ID 83702

FS

Subject:

UST Decommissioning and Site Assessment at Tiger Oil Corporation Facility, 5511 Summitview Road, Yakima, Washington.

Dear Mr. Conley:

Tetra Tech FW, Inc. (TtFWI) is pleased to provide Tiger Oil Corporation (Tiger) with this report documenting the results of underground storage tank (UST) removals and site assessment (Figure 1) at the former gas station located at 5511 Summitview Boulevard, Yakima, Washington. Tiger retained TtFWI to provide decommissioning, site assessment and documentation services during the UST removal. The site contained three USTs consisting of one 20,000 gallon steel regular gasoline tank and two 10,000 gallon steel unleaded and premium unleaded gasoline tanks.

The UST decommissioning and site assessment was performed by a Licensed Washington State UST Decommissioner and Site Assessor from TtFWI. Tri-Valley Construction, Inc. (Tri-Valley) of Yakima, under separate contract with Tiger, provided the UST removal, tank cleaning/disposal and backfilling services.

### UST DECOMMISSIONING AND SITE ASSESSMENT ACTIVITIES

On January 17th, decommissioning work commenced at the site and was completed on January 20th. The excavation backfilling was completed on January 21st. One 20,000 gallon steel regular gasoline tank and two 10,000 gallon steel unleaded gasoline tanks were inerted and removed from a single excavation by Tri-Valley. One of the 10,000 gallon USTs was removed on the 17th and the other two tanks were removed on January 20th. Prior to removal, the tanks were checked for the presence of fluids. Approximately one hundred pounds of dry ice was used to inert the 20,000 gallon tank and approximately 50 pounds was used to inert the 10,000 gallon tanks. Oxygen measurements were collected prior to removal to verify that the oxygen levels had decreased to a point that combustion could not occur. The three USTs were removed from the excavation and set aside for cleaning and cutting. The final excavation was 35' by 40' by 15' deep. Groundwater was not encountered during the removal of the USTs.

UST removal and decommissioning activities were observed and documented by a Licensed Washington State UST Decommissioner and Site Assessor from TtFWI. Copies of UST decommissioning documents are provided in Appendix A. Upon removal, the tanks were examined by TtFWI, Tri-Valley, and the Washington State Department of Ecology (Ecology). The tanks had minor surface rust and were in good condition with no evidence of leaks or holes. However, there was evidence of spillage associated with the fill piping and turbine unit on the 20,000 gallon and the center 10,000 gallon USTs. The tanks were cut and cleaned on-site and transported offsite for disposal/recycling on January 25<sup>th</sup> by Tri-Valley. The residual fuel and sludge was placed in 55-gallon drums for disposal by Tri-Valley. Underground piping



Tiger Oil Corporation UST Decommissioning 5511 Summitview Road, Yakima Page 2 of 2

connecting the tanks with the dispenser islands were drained and capped with quick setting cement. The locations of the terminated piping is shown on Figure 1

During removal of the USTs, the soil/gravels were visually inspected and periodically monitored using a PID. The native excavation material at this location consisted mostly of silty sand. The backfill around the USTs consisted of a fine sand mix. The excavated soil had areas that appeared to be impacted by petroleum hydrocarbons primarily between and beneath the 20,000 gallon and middle 10,000 gallon USTs, however; there was no evidence of impacted soils along the sidewalls of the excavation.

Soil samples were collected by hand from the bucket of the excavator for this excavation. Samples were taken according to applicable Washington State Department of Ecology Site Assessment guidelines including use of core sample methods for volatile organic compound analysis. A total of eight soil samples were collected from below each UST and the sidewalls of the excavation. One duplicate soil sample was also collected from beneath the regular leaded gasoline tank. The samples were placed directly in laboratory supplied containers and upon collection each sample was immediately sealed and placed in a cooler for cold storage during field work and transport. The samples were shipped to CCI Analytical Laboratories under chain-of-custody documentation. A summary of the laboratory reported results are presented in Table 1. The laboratory reports and chain-of-custody documents are provided in Appendix B.

As required by Ecology, a sample from the excavation was selected for analysis for MTBE, EDB and EDC. This sample was selected based on concentrations of gasoline range hydrocarbons and BTEX. MTBE, EDB and EDC were non-detect at this site.

### SUMMARY AND CONCLUSIONS

The following summary and conclusions are based on the findings of the UST removal and Site Assessment conducted at 5511 Summitview Road, Yakima, Washington.

- 1. One 20,000 gallon steel gasoline UST and two 10,000 gallon steel gasoline USTs were removed from the Site by Tri-Valley between January 24th and 27<sup>th</sup>, 2005.
- 2. No holes were found in the steel USTs removed during this decommissioning/site assessment.
- 3. There was no evidence of leaks associated with the four USTs
- 4. There was visual evidence of what appeared to be historic spillage associated with fill tubes on the 20,000 gallon and center 10,000 gallon USTs.
- 5. There was no evidence of spillage due to historic overfills at the fill tubes on the other 10,000 gallon UST.
- 6. The UST excavation was approximately 15 feet in depth (from the ground surface).
- 7. Groundwater was not encountered during removal of the USTs.
- 8. The UST excavation was backfilled and compacted with excavated soil and imported fill material.

Tiger Oil Corporation UST Decommissioning 5511 Summitview Road, Yakima Page 3 of 3

- 9. Laboratory results indicate that samples from the UST excavation contain gasoline range hydrocarbon concentrations ranging from ND (<3) to 2,000 mg/kg, total lead concentrations ranging from 5.0 to 380 mg/kg, benzene concentrations ranging from ND (<0.03) to 4.4 mg/kg, toluene concentrations ranging from ND (<0.05) to 97 mg/kg, ethybenzene concentrations ranging from ND (<0.05) to 40 mg/kg, and xylene concentrations ranging from ND (<0.2) to 260 mg/kg.
- 10. MTBE, EDB, and EDC were not detected in the sample collected from this UST excavation.
- 11. Based on laboratory chromatographs, hydrocarbons are heavily weathered gasoline range hydrocarbons.
- 12. The drums of residual fuel/sludge removed from the cleaned USTs were disposed of by Tri-Valley.

TtFWI appreciates the opportunity to be of service to you on this project. If you have any questions regarding these results please do not hesitate to undersigned at (509) 255-9969 or (425) 482-7726.

Richard Weingarz, LG **TtFWI** 

Senior Geologist

Licensed WA Decommissioner # 5037163 U2

Licensed WA Site Assessor # 5037163 U7

Chris Generous, LG

**TtFWI** 

Consulting Engineer Senior Project Manager

Cc: Tom Mackey, Department of Ecology

FIGURE 1

<u>AND</u>

TABLE 1

5511 SUMMITVIEW

YAKIMA, WASHINGTON

ects\Drawings for Rick W\5511.dwg PDATE: March 14, 2005

ر ان ان ان CAPPED PIPING TERMINATED AT EXCAVATION

Table 1. Analytical Results

				56th ar	56th and Summitview USTs Excavation	w USTs Excar	vation		
SAMPI ES		Tiger1-1	Tiger 1-2	Tiger1-3	Tiger1-3D	Tiger1-NSW	Tiger1-ESW	Tiger1-SSW	Tiger1-WSW
							•		
								•	
		Under			Under regular	1		South	West
		premium	Under regular	nder regular Under regular	leaded	Sidewall of	Fast Sidewall	Sidewall of	Sidewall of
NOTATION	-	unleaged gasoline tank	unicaded unicaded cancel cancel assoline tank		duplicate	Excavation	of Excavation	Excavation	Excavation
Depth (ft)		15	15	11	11	10	5	6	7
(-)									
Analytes	units								,
TPH-G	mg/kg	2000	1200	1300	2200	<3.0	<3.0	<3.0	<5.0
TPH-D	mg/kg		-					1	 
TPH-lube	mg/kg	1					-		
henzene	ma/ka	4.4	1.4	ND (<0.6)	ND (<3.0)	ND (<0.03)	ND (<0.03)	ND (<0.03)	ND (<0.03)
tolijene	ma/ka	62	36	13	25	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)
ethylbenzene	ma/kg	40	19	19	23	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)
xvienes	ma/kg	260	130	130	150	ND (<0.2)	<0.2	<0.2	<0.2
MTBE	ug/kg	-	1	ND (<10)				1	3 1 1 1
EDC	ug/kg		-	ND (<10)			-		
EDB	ug/kg	1		ND (<5)					
lead	mg/kg	61	380	8.7	8.0	5.1	5.0	19	0.1

### APPENDIX A

UST DECOMMISSIONING DOCUMENTS

### APPENDIX B

### **LABORATORY REPORTS**



CLIENT: TETRA TECH FW INC.

DATE:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

CCIL SAMPLE #: DATE RECEIVED:

WDOE ACCREDITATION #:

1/21/05

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-1 1/20/05 1310

	DATA RESUL	rs			
				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	2000	MG/KG	1/21/05	LAP
BENZENE	EPA-8021	4.4	MG/KG	1/21/05	LAP
TOLUENE	EPA-8021	97	MG/KG	1/21/05	LAP
ETHYLBENZENE	EPA-8021	40	MG/KG	1/21/05	LAP
XYLENES	EPA-8021	260	MG/KG	1/21/05	LAP
AD	EPA-6010	61	MG/KG	1/31/05	RAB

NOTE:

CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

<sup>\* &</sup>quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 200 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

CCIL SAMPLE #:

DATE RECEIVED:

WDOE ACCREDITATION #:

1/21/05

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-2 1/20/05 0950

·				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	ву
TPH-VOLATILE RANGE	NWTPH-GX	1200	MG/KG	1/21/05	LAP
BENZENE	EPA-8021	1.4	MG/KG	1/21/05	LAP
TOLUENE	EPA-8021	36	MG/KG	1/21/05	LAP
ETHYLBENZENE	EPA-8021	19	MG/KG	1/21/05	LAP
XYLENES	EPA-8021	130	MG/KG	1/21/05	LAP
-AD	EPA-6010	380	MG/KG	1/31/05	RAB

NOTE:

CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE

<sup>\* &</sup>quot;NO" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 60 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE: 2/

2/10/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

CCIL SAMPLE #: DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-3 1/20/05 1000

	DATA RESUL	TS .			
	·			ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	ву
TPH-VOLATILE RANGE	NWTPH-GX	1300	MG/KG	1/25/05	LAP
BENZENE	EPA-8021	ND(<0.6)	MG/KG	1/25/05	LAP
TOLUENE	EPA-8021	13	MG/KG	1/25/05	LAP
ETHYLBENZENE	EPA-8021	19	MG/KG	1/25/05	LAP
XYLENES	EPA-8021	130	MG/KG	1/25/05	LAP
( \ <b>D</b>	EPA-6010	8.7	MG/KG	1/31/05	RAB
METHYL T-BUTYL ETHER (MTBE)	EPA-8260	ND(<10)	UG/KG	2/8/05	CCN
1,2-DICHLOROETHANE (EDC)	EPA-8260	ND(<10)	UG/KG	2/8/05	CCN
1,2-DIBROMOETHANE (EDB)	EPA-8260	ND(<5)	UG/KG	2/8/05	CCN

NOTES:

CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE EPA-8260 ANALYSIS PERFORMED OUTSIDE OF HOLD TIME

<sup>&</sup>quot;"ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 60 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC. DATE:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

CCIL SAMPLE #:

DATE RECEIVED:

WDOE ACCREDITATION #:

1/21/05 C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-ESW 1/20/05 1325

	DATA RESUL	TS			
				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	1/21/05	LAP
BENZENE	EPA-8021	ND(<0.03)	MG/KG	1/21/05	LAP
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	1/21/05	LAP
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	1/21/05	LAP
XYLENES	EPA-8021	ND(<0.2)	MG/KG	1/21/05	LAP
AD	EPA-6010	5.0	MG/KG	1/31/05	RAB

<sup>\* &</sup>quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

CCIL SAMPLE #: DATE RECEIVED:

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WDOE ACCREDITATION #:

1/21/05 C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-WSW 1/20/05 1025

	DATA RESUL	TS			
				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	1/24/05	LAP
BENZENE	EPA-8021	ND(<0.03)	MG/KG	1/24/05	LAP
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
XYLENES	EPA-8021	ND(<0.2)	MG/KG	1/24/05	LAP
AD	EPA-6010	6.1	MG/KG	1/31/05	RAB

<sup>\* &</sup>quot;ND" INDICATES ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:

GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE:

CCIL JOB #:

2/1/05

12100 NE 195TH ST., SUITE 200

501075

BOTHELL, WA 98011

CCIL SAMPLE #:

6

DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-NSW 1/20/05 1015

	DATA RESUL	18			
÷				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG	1/24/05	LAP
BENZENE	EPA-8021	ND(<0.03)	MG/KG	1/24/05	LAP
TOLUENE	EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
ETHYLBENZENE	EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
XYLENES	EPA-8021	ND(<0.2)	MG/KG	1/24/05	LAP
\D	EPA-6010	5.1	MG/KG	1/31/05	RAB

<sup>&</sup>quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT, REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE:

CCIL JOB #:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL SAMPLE #:

501075

BOTHELL, WA 98011

DATE RECEIVED:

7

WDOE ACCREDITATION #:

1/21/05 C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

CLIENT SAMPLE ID:

TIGER1-SSW 1/20/05 1320

		ATA RESUL	TS			
					ANALYSIS	ANALYSIS
ANALYTE	•	METHOD	RESULTS*	UNITS**	DATE	BY
TPH-VOLATILE RANGE		NWTPH-GX	ND	MG/KG	1/24/05	LAP
BENZENE		EPA-8021	ND(<0.03)	MG/KG	1/24/05	LAP
TOLUENE		EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
ETHYLBENZENE		EPA-8021	ND(<0.05)	MG/KG	1/24/05	LAP
XYLENES		EPA-8021	ND(<0.2)	MG/KG	1/24/05	LAP
۸D		EPA-6010	19	MG/KG	1/31/05	RAB

<sup>\* &</sup>quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 3 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

DATE:

2/1/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

CCIL SAMPLE #:

BOTHELL, WA 98011

DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

TIGER OIL

CLIENT PROJECT ID: CLIENT SAMPLE ID:

TIGER1-3D 1/20/05 1000

	 ATA RESUL				
				ANALYSIS	ANALYSIS
ANALYTE	METHOD	RESULTS*	UNITS**	DATE	ву
TPH-VOLATILE RANGE	NWTPH-GX	2200	MG/KG	1/24/05	LAP
BENZENE	EPA-8021	ND(<3.0)	MG/KG	1/24/05	LAP
TOLUENE	EPA-8021	25	MG/KG	1/24/05	LAP
ETHYLBENZENE	EPA-8021	23	MG/KG	1/24/05	LAP
XYLENES	EPA-8021	150	MG/KG	1/24/05	LAP
₹D	EPA-6010	8.0	MG/KG	1/31/05	RAB

NOTE:

CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY HIGHLY WEATHERED GASOLINE



<sup>\* &</sup>quot;ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS: GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 120 MG/KG

<sup>\*\*</sup> UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS



CLIENT: TETRA TECH FW INC.

12100 NE 195TH ST., SUITE 200

BOTHELL, WA 98011

DATE:

2/10/05

CCIL JOB #:

501075

DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

### QUALITY CONTROL RESULTS

### SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
501075-01	NWTPH-GX	TFT	*
501075-01	EPA-8021	TFT	*
501075-02	NWTPH-GX	TFT	*
501075-02	EPA-8021	TFT	*
(	NWTPH-GX	TFT	*
501075-03	EPA-8021	TFT	*
501075-03	EPA-8260	1,2-DCE-d4	127
501075-04	NWTPH-GX	TFT	93
501075-04	EPA-8021	TFT	84
501075-05	NWTPH-GX	TFT	72
501075-05	EPA-8021	TFT	68
501075-06	NWTPH-GX	TFT	66
501075-06	EPA-8021	TFT	62
501075-07	NWTPH-GX	TFT	56
501075-07	EPA-8021	TFT	55
501075-08	NWTPH-GX	TFT	*
501075-08	EPA-8021	TFT	*
501075-09	NWTPH-GX	TFT	59
501075-09	EPA-8021	TFT	56
501075-10	NWTPH-GX	TFT	87
501075-10	EPA-8021	TFT	99
501075-10	NWTPH-DX	C25	. 89
501075-10 (	EPA-8260	1,2-DCE-d4	97



CLIENT: TETRA TECH FW INC.

DATE:

2/10/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

	QUALITY CON	TROL RESULTS	
	÷		
501075-11	NWTPH-GX	TFT	85
501075-11	EPA-8021	TFT	105
501075-12	NWTPH-GX	ŢFT	71
501075-12	EPA-8021	TFT	67
501075-13	NWTPH-GX	TFT	120
<sup>€</sup> 01075-13	EPA-8021	TFT	119
501075-14	NWTPH-GX	TFT	68
501075-14	EPA-8021	TFT	· 83
501075-14	NWTPH-DX	C25	88
501075-15	NWTPH-GX	TFT	69
501075-15	EPA-8021	TFT	81
501075-15	NWTPH-DX	C25	94
501075-16	NWTPH-GX	TFT	65
501075-16	EPA-8021	TFT	75
501075-16	NWTPH-DX	C25	89
501075-17	NWTPH-GX	TFT	*
501075-17	EPA-8021	TFT	*
501075-17	NWTPH-DX	C25	88
501075-18	NWTPH-GX	TFT	65
501075-18	EPA-8021	TFT	62
501075-18	NWTPH-DX	C25	84
501075-19	NWTPH-GX	TFT	84
501075-19	EPA-8021	TFT	98
501075-19	NWTPH-DX	. C25	115



CLIENT: TETRA TECH FW INC.

. DATE:

2/10/05

12100 NE 195TH ST., SUITE 200

CCIL JOB #:

501075

BOTHELL, WA 98011

DATE RECEIVED:

1/21/05

WDOE ACCREDITATION #:

C142

CLIENT CONTACT: CHRIS GENEROUS

CLIENT PROJECT ID:

TIGER OIL

### QUALITY CONTROL RESULTS

### BLANK AND DUPLICATE RESULTS

METHOD	BLK RESULT	ASSOC SMPLS
NWTPH-GX (GAS)	ND(<3)	501075-01 TO 19
EPA-8021(BENZENE)	ND(<0.03)	501075-01 TO 19
EPA-8021(TOLUENE)	ND(<0.05)	501075-01 TO 19
TPA-8021(ETHYLBENZ)	ND(<0.05)	501075-01 TO 19
4-8021(XYLENE)	ND(<0.2)	501075-01 TO 19
NWTPH-DX (DSL)	ND(<25)	501075-10, 14 TO 19
NWTPH-DX (OIL)	ND(<50)	501075-10, 14 TO 19
EPA-6010 (PB)	ND(<0.72)	501075-01 TO 19
EPA-8260 (MTBE)	ND(<10)	501075-03, 10
EPA-8260 (EDC)	ND(<10)	501075-03, 10
EPA-8260 (EDB)	ND(<5)	501075-03, 10

### SPIKE/ SPIKE DUPLICATE RESULTS

		ASSOCIATED	% SPIKE	% SPIKE DUP	
METHOD	SPIKE ID	SAMPLES	RECOVERY	RECOVERY	REL % DIFF
NWTPH-GX	GASOLINE	501075-01 TO 19	76	71	7
EPA-8021	BENZENE	501075-01 TO 19	92	106	. 14
EPA-8021	TOLUENE	501075-01 TO 19	93	108	15
EPA-8021	ETHYLBENZENE	501075-01 TO 19	92	105	13
EPA-8021	XYLENE	501075-01 TO 19	94	108	14
NWTPH-DX	DIESEL	501075-10, 14 TO 19	94	95	<b>1</b>
EPA-6010 (PB)	LEAD	501075-01 TO 19	89	90	1
EPA-8260	TRICHLOROETHENE	501075-03, 10	110	107	3

<sup>\*</sup> SURROGATE DILUTED OUT OF CALIBRATION RANGE



CCI Analytical Laboratories, Inc. Phone (425) 356-2600 (206) 292-9059 Seattle (425) 356-2626 Fax http://www.ccilabs.gom Everett, WA 98208 8620 Holly Drive

Chain Of Custody/

Laboratc., Analysis Request

CCI Job# aboratory Use Only)

7	/				7
PROJECT ID: LC O C MAN	ANALYSIS BEOLIEGITE	Date 17075	25 Page 1	را خ	
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*	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\				
10. 111 Blank-2 30					
SPECIAL INSTRUCTIONS	(4)				

CCI Analytical Laboratories, Inc accepts and processes this request on the terms and conditions set forth on the reverse side. By its signature hereon, Customer accepts these terms and conditions.

>45 l 1-20-05 1. Relinquished By::\_

TURNAROUND REQUESTED in Business Days\* ganic Analysis OTHER: Organic, Metals & Inorganic Analysis Fuels & Hydrocarbon Analysis 2 9

Parola Calpulas Received By: \_

OCINC

2. . Relinquished By: .

Received By: \_

TURNAROUND REQUESTED in Business Days\* panic Analysis

Organic, Metals & Inorganic Analysis

7

10

Mailor Dear

2. Relinquished By: Received By:

Received By: \_

CCI Analytical Taboratories, Inc. 8620 Holly Drive. Everett, WA 98208\*\*\* Phone (425) 358-2600 (206) 292-9059 s (425) 356-2626 F

### Laboratory Analysis Request Cl n Of Custody/

(Laboratory Use Only)

CCI Job#

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## International Code Councii

### RICK A WEINGARZ

The International Eode Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as;

# WASHINGTON STATE SITE ASSESSMENT

given this day of August 28, 2003

Faul E Myers
President, ICC Board of Directors

5037163-U7 Certificate Number



James L. Witt

ICC Chief Executive Officer

## INTERNATIONAL CODE COUNCII

### RICK A WEINGARZ

) (

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as.

## UST DECOMMISSIONING

given this day of August 29, 2003

5037163-U2 Certificate Number

Le PEM

Paul E Myers President, ICC Board of Directors

James R. Will

James L. Witt ICC Chief Executive Officer





### UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:
Owner #:

### INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by IFCI or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. The results of the site check or site assessment must be included with this checklist. This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

**SITE INFORMATION:** Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

<u>TANK INFORMATION:</u> Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

<u>SITE ASSESSOR INFORMATION</u>: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section Department of Ecology PO Box 47655 Olympia WA 98504-7655

SITE INFORMATION		
	200	<
Site ID Number (Available from Ecology	if the tanks are registered):	<u> </u>
Site/Business Name: Ticar Mar	<u> </u>	
Site Address: 55/1 Summi	7 Uzw Street	Telephone: ()
16 kins	Washington	98908
City	State	Zip Code
TANK INFORMATION		
Tank ID No.	Tank Capacity	Substance Stored
	20,000	sasolina
2	10,000	sasoline Sasoline
3	6,000 - functibe 10,000	sa solina
BEACON FOR CONDUCTING SITE CH		
REASON FOR CONDUCTING SITE CH	ECRISITE ASSESSMENT	
Check one:		•
	ue to on-site environmental contamination	
	ue to off-site environmental contamination	·
	T system for more than 12 months.	
UST system undergoing change		
UST system permanently closed		
Abandoned tank containing proc	luct.	
	ed agency for UST system closed before	12 <i>122</i> 188.
Other (describe):		

CHECKLIST	<del></del>	т
Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
The location of the UST site is shown on a vicinity map.	X	`
A brief summary of information obtained during the site inspection is provided.  (see Section 3.2 in site assessment guidance)	X	
3. A summary of UST system data is provided. (see Section 3.1.)	1	×
4. The soils characteristics at the UST site are described. (see Section 5.2)	γ	
5. Is there any apparent groundwater in the tank excavation?		Х
6. A brief description of the surrounding land use is provided. (see Section 3.1)		Y
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	Y	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	×	
- groundwater samples distinguished from soil samples (if applicable)	40	
- samples collected from stockpiled excavated soil		X
- tank and piping locations and limits of excavation pit	Х	
- adjacent structures and streets	У	
- approximate locations of any on-site and nearby utilities		X
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	hA.	1
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	X	
11. Any factors that may have compromised the quality of the data or validity of the results are described.		X
10 TI W 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T	<del></del>
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	X	
Richard Weingarz Tetratoch EC	·	
Person registered with Ecology 9		
Business Address: 12100 'n £ 195 Th SUIZ 200 Telephone: 482-76	500	<del></del>
Bottel WA 99019 City State Zip Code		<del>.</del>
Oily Said		
I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. I submitting false information are subject to penalties under Chapter 173.360 WAC.	Persons	
2-11-05 974		
Date Signature of Person Registered with Ecology		

### **30 DAY NOTICE**

See back of form for instructions

Site 1D #:	FOR OFFICE USE OF	NLY
	Site 1D #:	
Owner ID #:	Owner ID #:	
	· · · · · · · · · · · · · · · · · · ·	

NO.064

**D**04

D'	ÉCEIVE	box: Intent to Insta	☐ Intent ☐ Both
M)	02C 0 9 2004 Site Ir	formation	

	(This form	) will be refurmed to this address)
UST Owne	r/Operato	Tiger Oil Corporation
Mailing Add	dress	Street
		P.O. Box 1489
City/State_		P.O. 80x Boise, Idaho
Zin Code	83701	Telephone (208 342-464)

Owner Information

Site ID Number OF 109857	UST Owner/Operator Tiger Oil Corporation
(Available from Ecology if the tanks are registered Site/Business Name Tiger Mart	ed)  Mailing Address
Street	Street
Site Address 5511 Summit Vie	P.O. Box 1489
<b>Y</b>	P.O. Box
City/State Yakima, Washing	City/State
Zip Code Telephone (	() Zip Code 83701 Telephone (208) 342-464

Tank Ir	istallation Company	<b>y</b> (if known). Fill out this s	ection ONLY if tanks a	ire being installed.
Service Company		<del></del>	Contact Name	
Address	Street		P.O. Box	
				Telephone ()
	City	State	Zip Code	

Tank Permanent Closure C	ompany (if known). Fil	out this section ONL	Y if tanks are being closed.
Service Company	·	Contact Name _	1
Address			
Street		P.O. Box	Telephone ()
City	State	Zip Code	

**Tank Closure Information** 

Fill out this section ONLY if tanks are being closed.						Fill out this section ONLY if tanks are being installed.		
Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date Tank Last Used	ls There Product in the Tank (Yes/No)	If No, Date Tank Was Pumped	Tank (D	Approx. Install Date
1	Jan,05	20,000	gasoline	<u>арр 5-</u> 01		6-01		
2	11 11	10,000	·· · · · · · · · · · · · · · · · · · ·	. , , ,	NO			
		6,000			NO			
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To receive this document in an alternative format, contact the TOXICS CLEANUP PROGRAM at 1-800-826-7715 (VOICE) OR (360) 407-6006 (TDD). 7Y 020-95 (Rev. 3-01)

Tank Installation Information

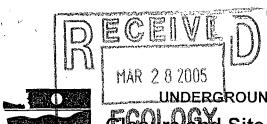


### STATE OF WASHINGTON

### DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600 (360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

Date: 11(04Ch 30, 2005)
Ligar Oil Corp P.O. Box 1459 Boise ID 83701
We received information that indicates underground storage tank(s) at the following site have been closed:
Site Address: 5511 Scimmet View Rd, Yakimal Site # 9857 Tank(s) 1, 2 # 3
To avoid paying the annual tank fee, the following missing information still needs to be submitted to Ecology.
Closure and Site Assessment Notice  Site Check/Site Assessment Checklist One copy of Site Assessment Report, or if contamination is found, a Site Assessment Characterization Report
Please return them to:
Washington State Department of Ecology Underground Storage Tank Unit PO Box 47655 Olympia, WA 98504-7665
Thank you for your cooperation. If you have any questions, please call me at (360) 407-7206.
Sincerely,
Tara Davis Toxics Cleanup Program



Please ✓ the appropriate box(es)

UNDERGROUND STORAGE TANK and Site Assessment Notice FS#58425191

C-Yakima

FOR	OFF	CF.	USF	40	JI Y

Owner ID #:

Site ID#:



### See back of form for instructions

	Site Inform	ation		Owner Information				
Site/Business I	r <u>00985</u> cology if the tanks are r Name <u>Tiger V</u> S 5/11 Su	Mart Street mmiture	Mailing A	UST Owner/Operator Tiger Oil Corporation  Mailing Address  P.O. Box /489  P.O. Box				
City/State Yakıma, WA				City/State Boise 1D				
Zip Code 4	<u>5908</u> Telep		·	Zip Code <u>&amp; 3701</u> Telephone (206) <u>343.4641</u>				
Owners Signa	tureTIGER	OII CORPORAT	ION, BY	Carle D. C	suly - fresed			
	any Tri- Vall	Tank Closure/Cley Construction	w/ Tetm	Tech inc	on No. 5037163-02			
Supervisor's	<i>(</i> -			Date				
Address 12		195m Street	Sua 200	)				
Street		WA State	P.O. Box 9801 Zip Code	x Teleph	one (504) 255-99 69			
Address 1 2	assessor Richa 2100 n E	Site Ch end Weingarz 195 <sup>th</sup> Street WA	Sいな ての P.O. Bos 9801	2 <i>0</i>	one 609) 255- 9969			
City		State	Zip Code					
Tank Information			on		Contamination Present at the Time of Closure			
Tank ID	Closure Date 1~21~0~5	Closure Method	Tank Capacity	Substance Stored	Yes No Unknown			
2	1 - 21-05	Removal	10,000	Gasoline	Check unknown if no obvious contamination was observed			
3	1-21-05	Removal	<u>6,000</u>	Gosolina	and sample results have not yet been received from analytical lab.			
					Yes No If contamination is present, has the release been reported to the appropriate regional office?			

To receive this document in an alternative format, contact the TOXICS CLEANUP PROGRAM at 1-800-833-6388 (VOICE) OR 711 (TTY).