Appendix G

Historic Topographic Maps

Irving & Yakima

Irving & Yakima

Seattle, WA 98144

Inquiry Number: 4751129.5

October 12, 2016

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

10/12/16

Site Name:	Client Name:
Irving & Yakima	EHS International, Inc.
Irving & Yakima	1011 SW Klickitat Way
Seattle, WA 98144	Seattle, WA 98134
EDR Inquiry # 4751129.5	Contact: Dee Gardner

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by EHS International, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	10737e-04	**Latitude:**	47.591565 47° 35' 30" North
Project:	Irving & Yakima	**Longitude:**	-122.294076 -122° 17' 39" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	553072.93
		UTM Y Meters:	5271147.40
		Elevation:	231.15' above sea level

Maps Provided:

2014	1894
1983	
1973	
1968	
1909	
1908	
1897	
1895	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

Seattle South
2014
7.5-minute, 24000

1983 Source Sheets

Seattle South
1983
7.5-minute, 25000
Aerial Photo Revised 1977
Edited 1983

1973 Source Sheets

Seattle South
1973
7.5-minute, 24000
Photo Revised 1973
Aerial Photo Revised 1973

1968 Source Sheets

Seattle South
1968
7.5-minute, 24000
Photo Revised 1968
Aerial Photo Revised 1968

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1909 Source Sheets

Seattle Special
1909
15-minute, 62500

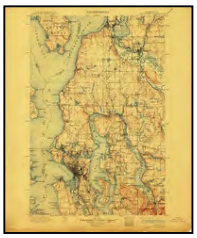
Seattle
1909
15-minute, 62500

1908 Source Sheets

Seattle
1908
15-minute, 62500

1897 Source Sheets

Seattle
1897
30-minute, 125000



Snohomish
1897
30-minute, 125000

1895 Source Sheets

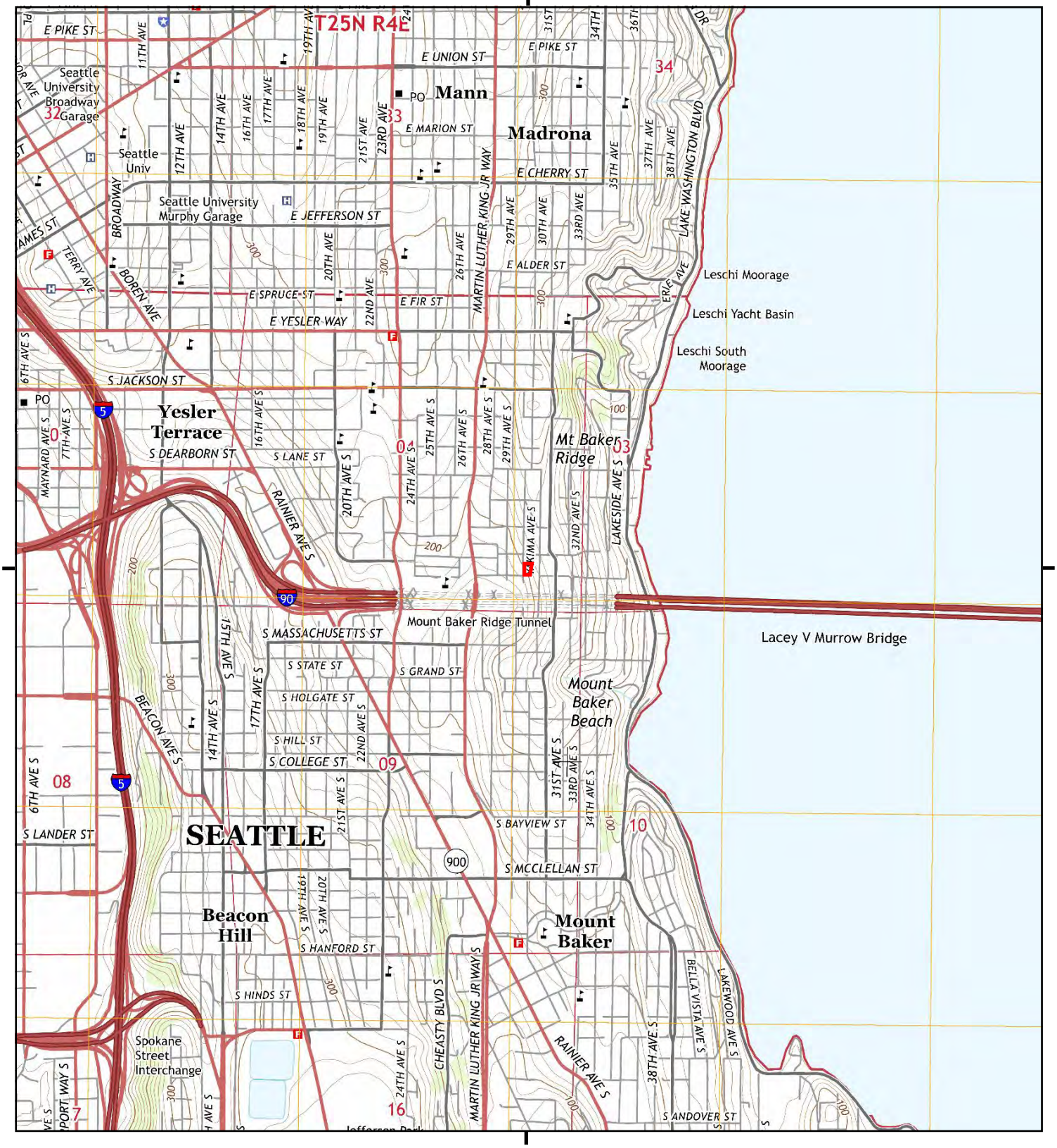
Snohomish
1895
30-minute, 125000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets

Seattle
1894
15-minute, 62500



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

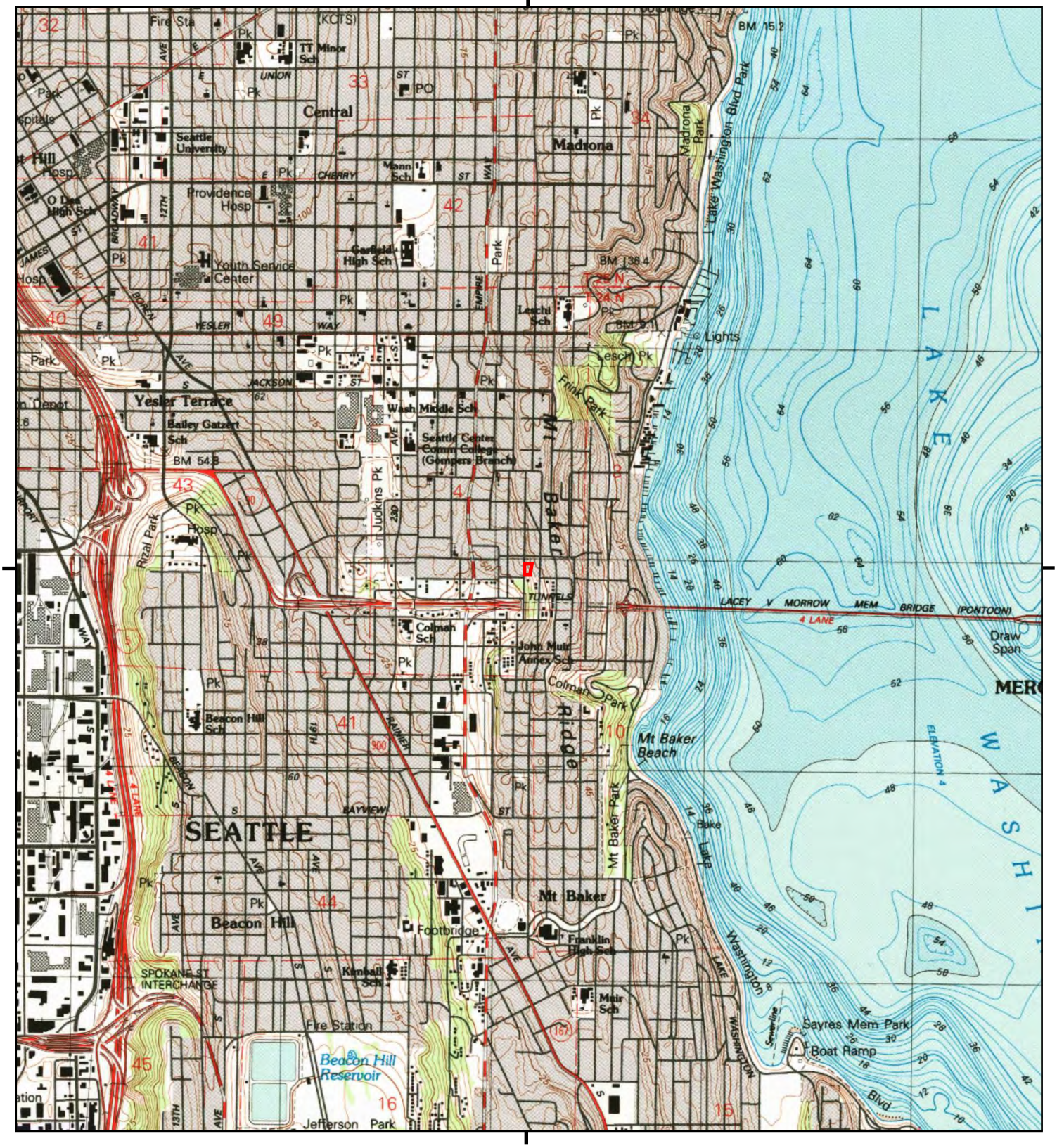
TP, Seattle South, 2014, 7.5-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N

Historical Topo Map

1983



This report includes information from the following map sheet(s).

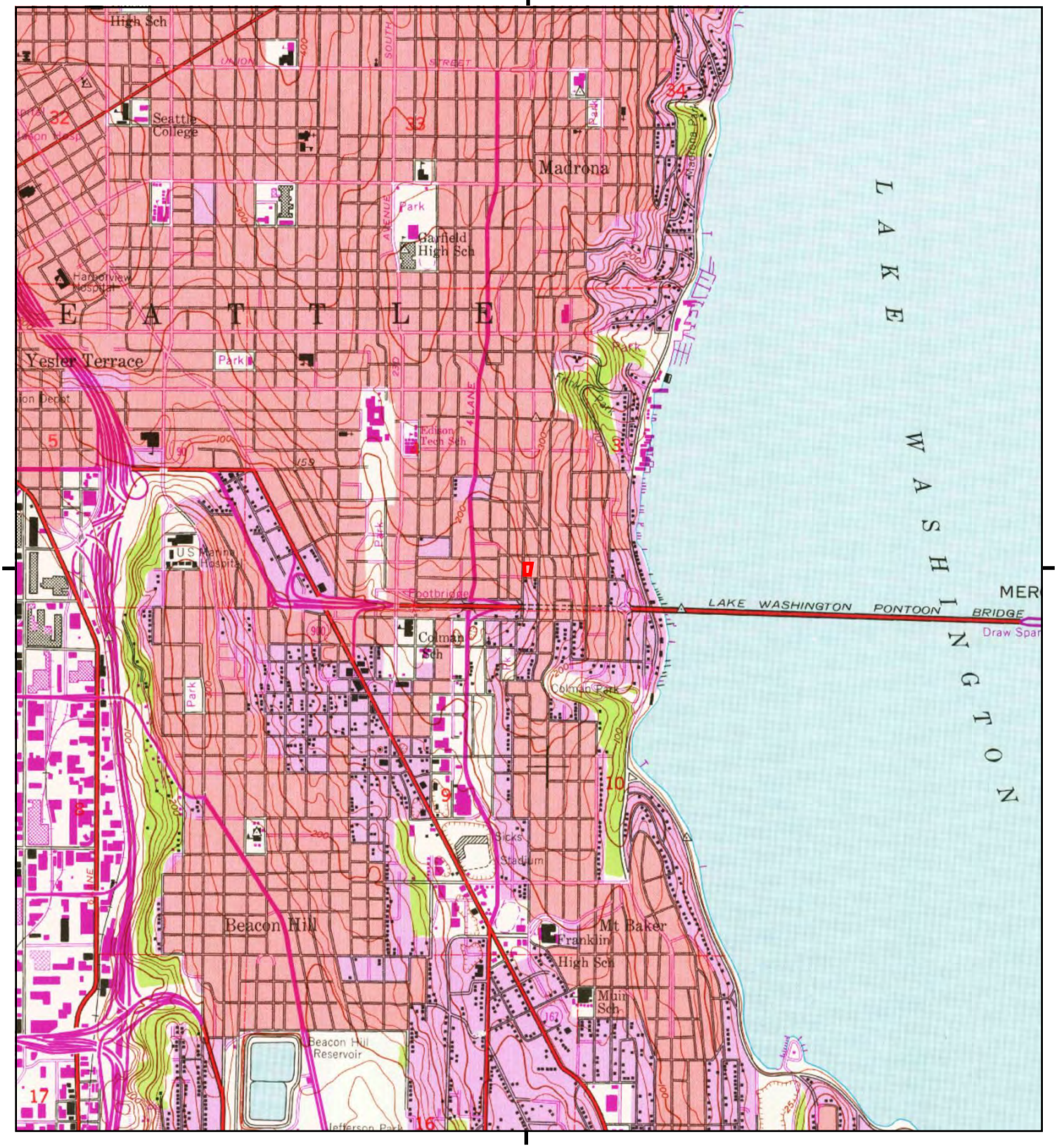
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle South, 1983, 7.5-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

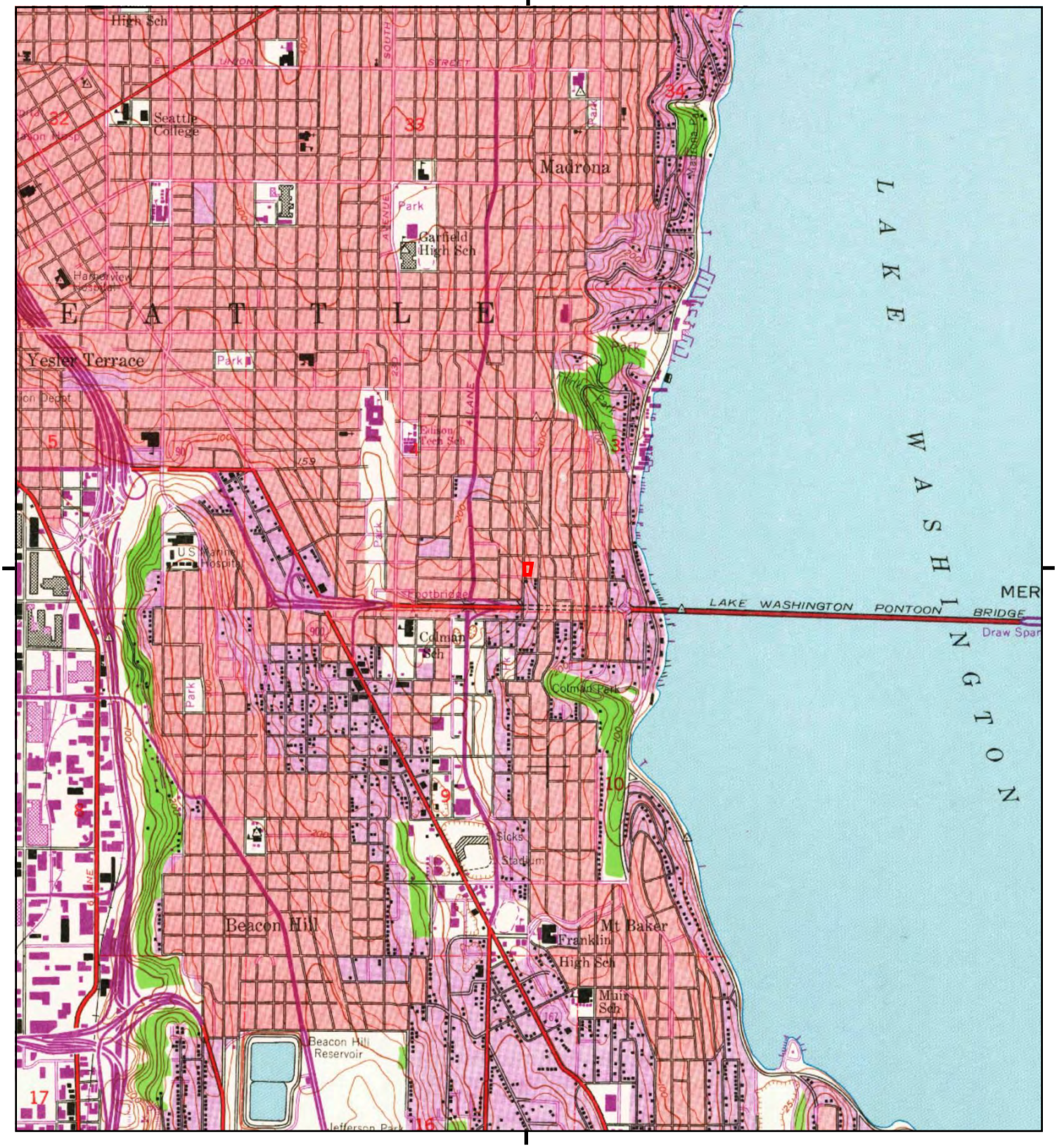
TP, Seattle South, 1973, 7.5-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N

Historical Topo Map

1968



This report includes information from the following map sheet(s).

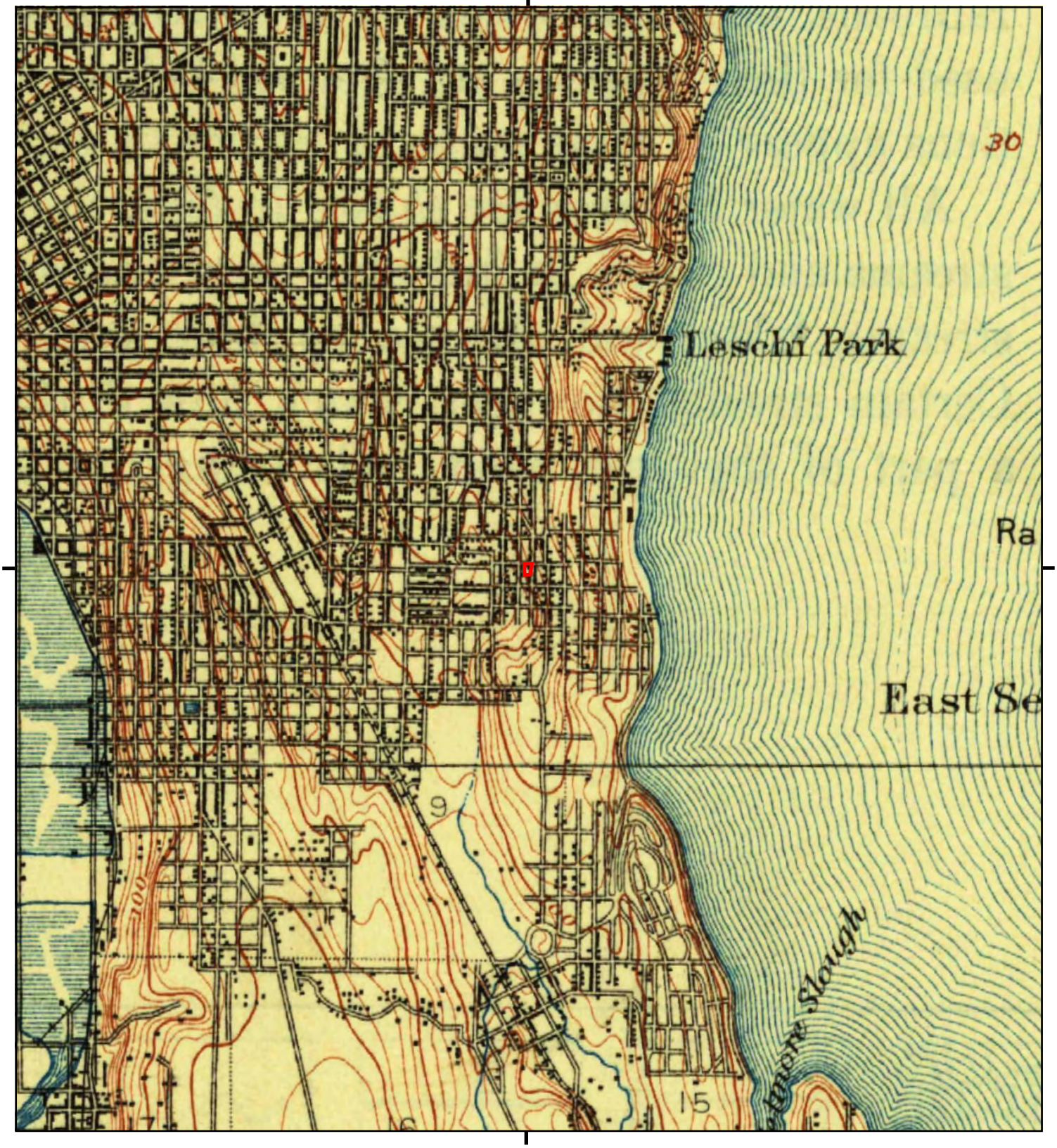
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle South, 1968, 7.5-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

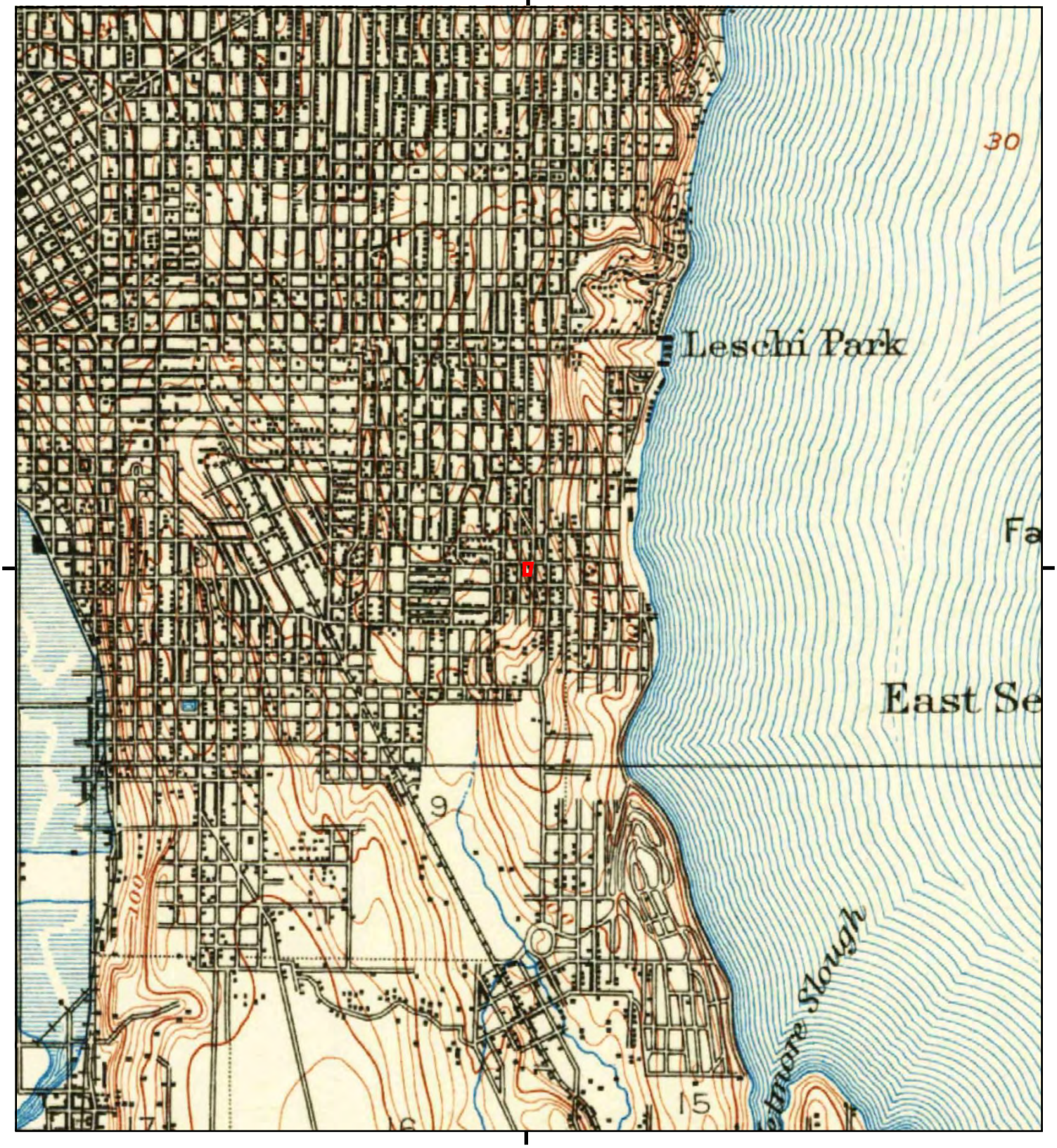
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle Special, 1909, 15-minute
TP, Seattle, 1909, 15-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

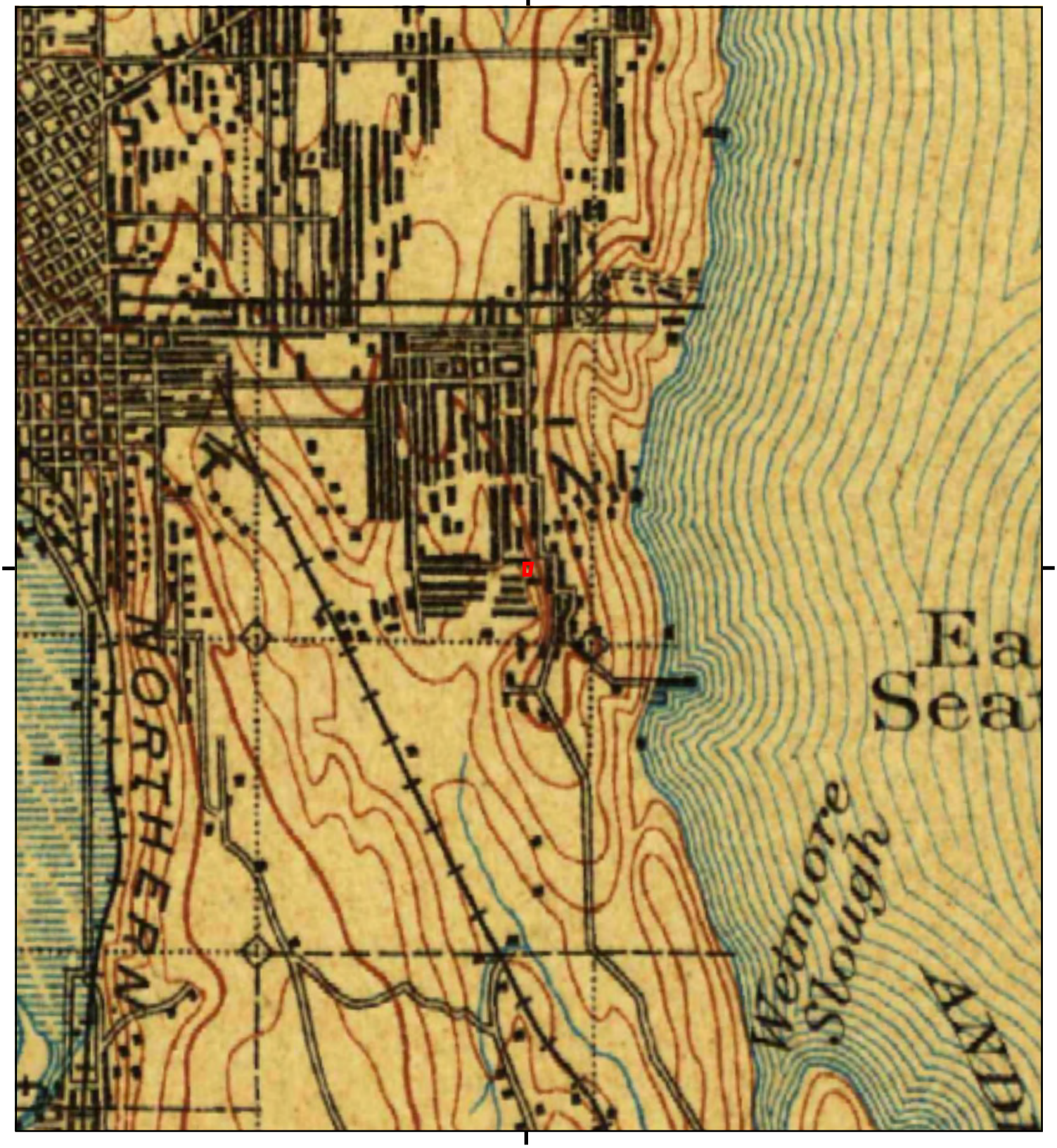
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle, 1908, 15-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

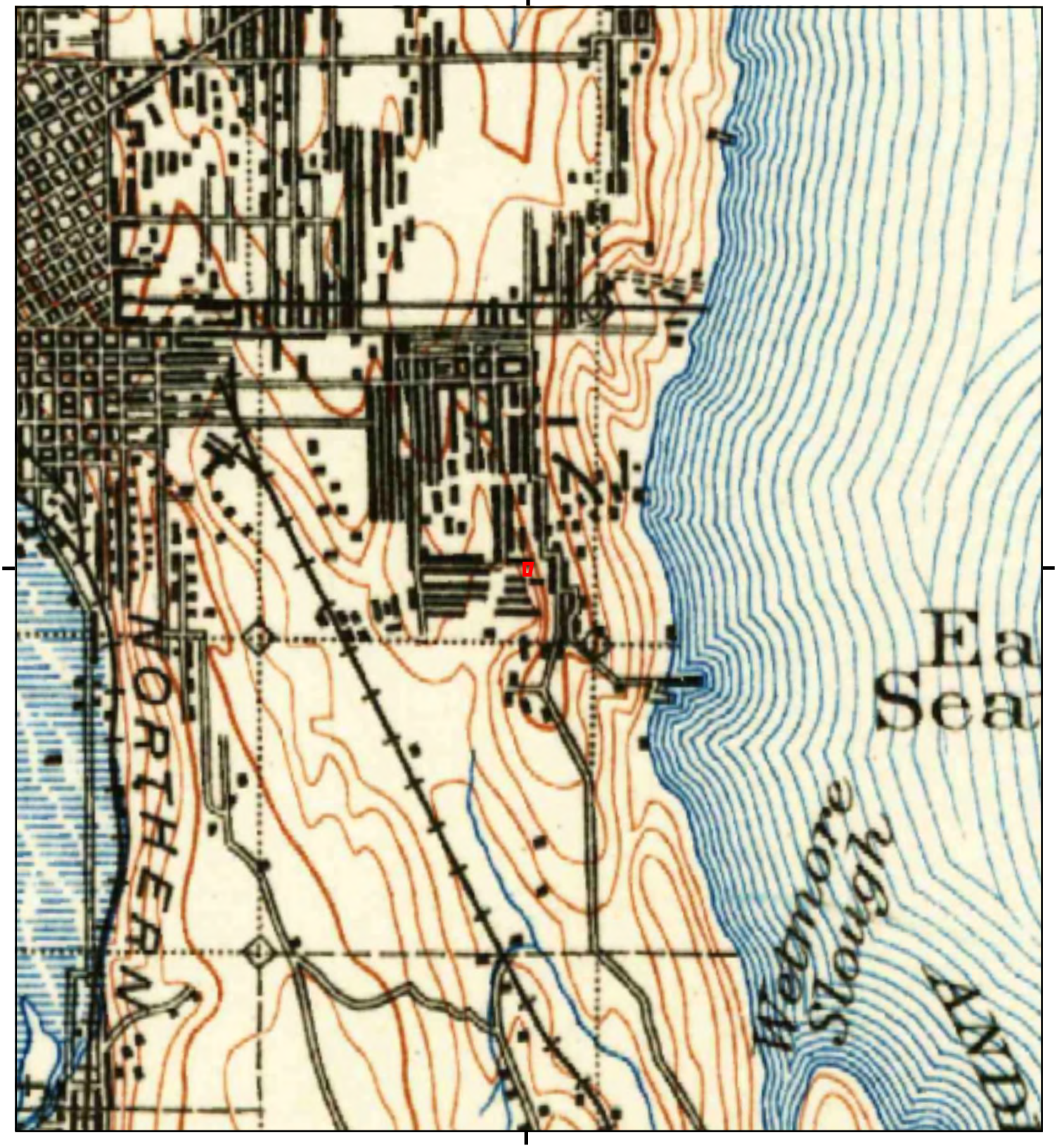
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle, 1897, 30-minute
TP, Snohomish, 1897, 30-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

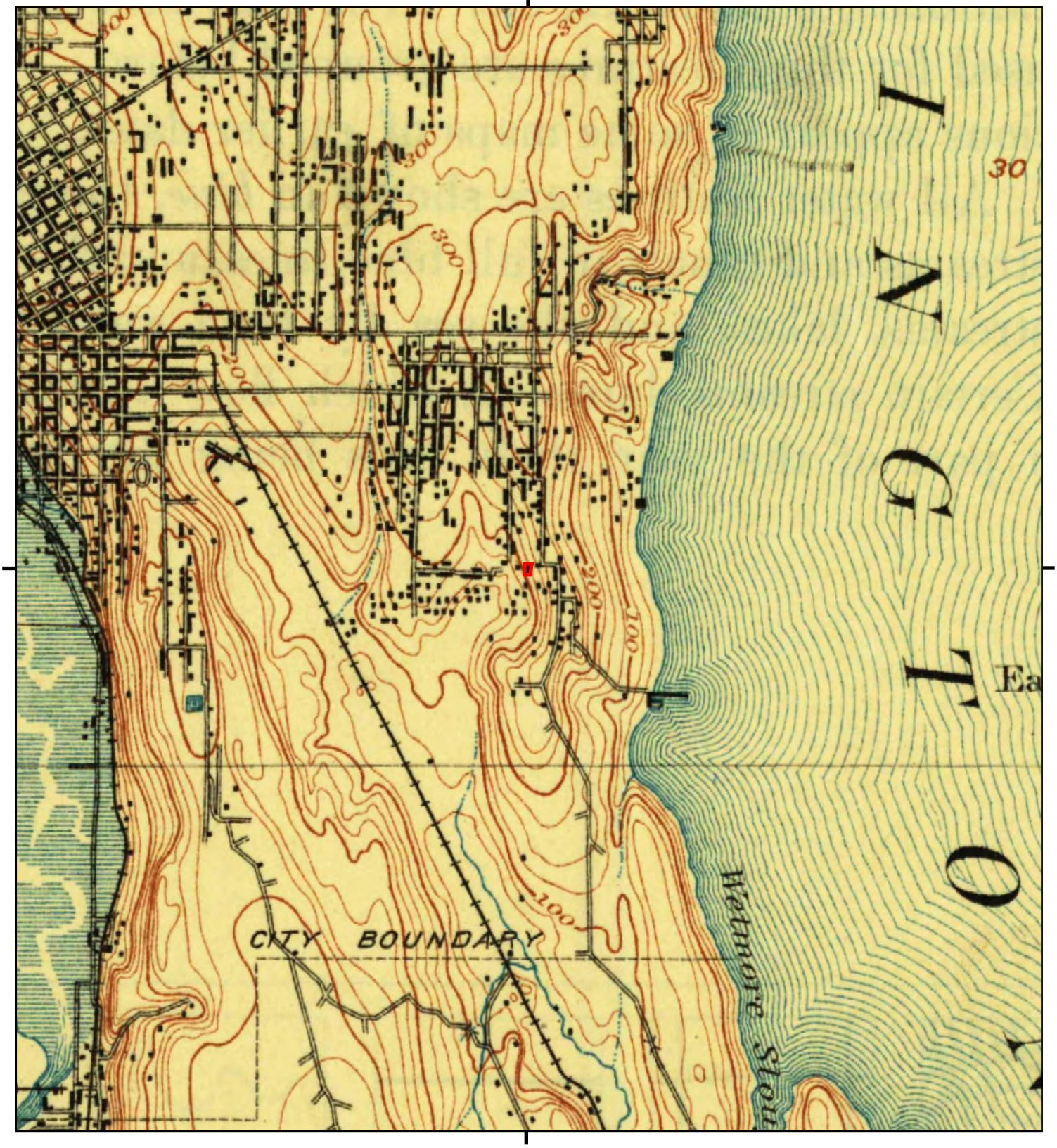
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Snohomish, 1895, 30-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Seattle, 1894, 15-minute

SITE NAME: Irving & Yakima
ADDRESS: Irving & Yakima
Seattle, WA 98144
CLIENT: EHS International, Inc.

N

Appendix H

Tax Assessor Archives

1. DISTRICT

LIMITS D. L.

CODE NO. 1

PERMIT NO.

DATE

2. ADDITION JACKSON &RAINIER STS
SECTION SE 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. 1-2 1-4 [illegible]
DESCRIPTION

Folio 2499-B

3. ADDRESS OF PROPERTY 1302 Yakima Ave. CONTRACT PURCHASER
4. FEE OWNER W. H. Harnden etux 12/18/40
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY Owner RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR Fair INTERIOR Poor FOUNDATION Fair FLOOR PLAN Accept

8. BUILDING
2 Fmly Dwlg
2 Stories
8 Rooms
4 1st Flr
4 2nd Flr

INTERIOR WALLS
8 Plaster

FLOORS
7 Fir
1 Conc.

FIRE PLACE
None

INTERIOR TRIM
7 Fir

PLUMBING
6 Fixtures
1 Tub-Leg
1 Toilet
1 Basin
2 Sink
1 H.W.Tank
Average

TILE WORK
None

ATTIC
None

HEATING
Hot Water
Oil Burner

BASEMENT
None

FOUNDATION
Conc.
Pch. Conc.

ROOF
Comp.

EXTERIOR WALLS
Shingles

PORCHES
1 2Story

EXTRA FEATURES
None

BUILT-INS
Usual

CONSTRUCTION 5
Dbl. Good

CEILING HEIGHT
1st Flr 9'
2nd Flr 9'

9. CORNER JOINTS Shingle DOWN SPOUTS SEWER CONNECTED Yes
10. FIRST FLOOR JOIST SIZE 2 x 8 AND 16 INCH CENTERS BRIDGED Plaster
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE x
12. CLASS OR GRADE NO. 3 SHAPE NO.
13. BUILDING FINISHED OR UNFINISHED Finished
14. DEPRECIATION: CONDITION 38 5 % OBSLSE. % ECON. SUIT % TOTAL 53 %
DATE BUILT 1913 REMODELED
EFFECTIVE AGE 23 40 YEARS FUTURE LIFE 17 YEARS

LAND INFORMATION

1. SIZE x TOPOGRAPHY Sloping GRADE Above 12 FEET
2. STREET ROAD Graded SURFACE Paved ALLEY No
3. SIDEWALK Conc. SEWERAGE Yes WELL ELECT. PUMP
4. LANDSCAPING Lawn & Shrubs Stone Bulkhead COND. Fair
5. TREND Static VALUE OF LAND
6. USE OF DISTRICT Res. VIEW None
7. RESIDENTIAL Med.-Old ZONED 1st Res

REMARKS

MAIN BUILDING

DIMENSION	SQ. FT. AREA
28 x 28	784
x	
x	
x	
PCH. 7 x 28	196
PCH. x	

IMPROVEMENT VALUE

MAIN BUILDING $
OTHER BUILDINGS $
TOTAL $ 800 1200
ASSESSED VALUE 50% $ 400 600
DATE 9-8-37 800

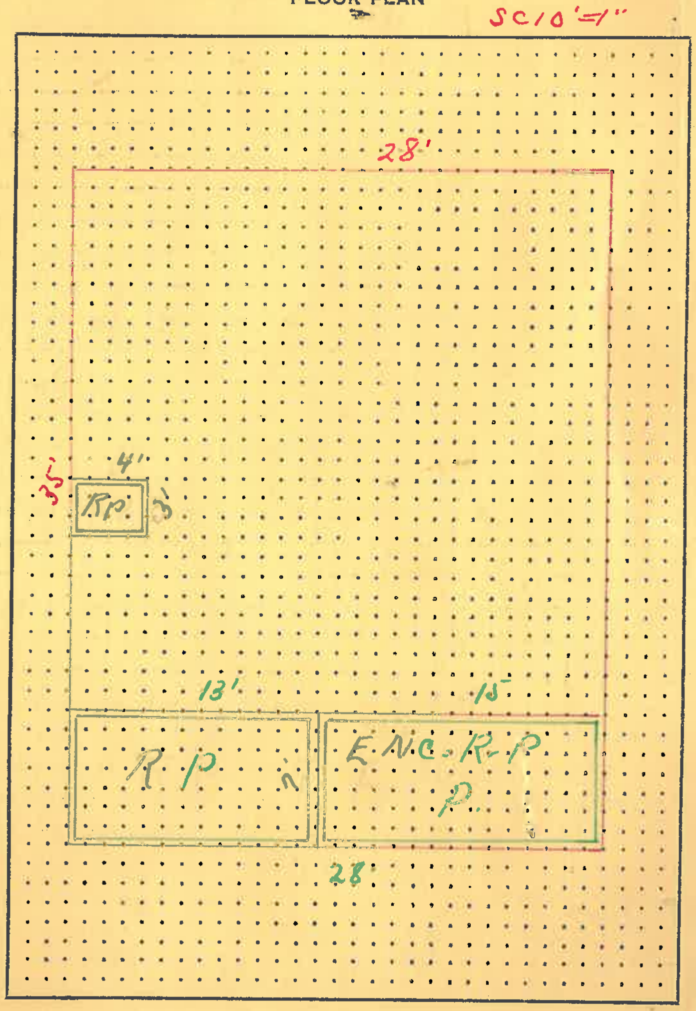
2000 1000

OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE					x		$
					x		
					x		
					x		
					x		

O C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP

REMARKS also 1/3 Jackson & Rainier Sts add

FLOOR PLAN SC 10' = 1"



FRONT

1. DISTRICT 10-A
LIMITS
O.L.
CODE NO. 1

2. ADDITION JACKSON & RAINIER STS 364410
SECTION 4 TWP. 24N. RANGE 4 EWM BLOCK 3 TRACT OR LOT NO. 6 0190 40

DESCRIPTION

I= 2499-B

364410-0190 X 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER King Co

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY Sloping GRADE Above 10 FT. 2. STREET-ROAD Graded SURFACE Paved
ALLEY No 3. SIDEWALK Conc. SEWAGE WATER City Water PUMP DRAINAGE
4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE Res. 7. DISTRICT Med.-Old Zoned 1st Res.

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE $	VALUE $

LAND SIZE X TOTAL $

O C OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
to City of Seattle	6-12-44	38808			

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle 1	1		

METRO

ASSESSED VALUE LAND

LOT $
UNIMPROVED ACRES $
IMPROVED ACRES $
OTHER LANDS $
TIMBER $
TOTAL ASSESSED VALUE 50% $
DATE
REMARKS

ASSESSED VALUE — DECREASE OR INCREASE IN ASSESSED VALUATION

YEAR	AC.	LAND	DATE	BY	REASON	LAND DECREASE	LAND INCREASE
1938		100			EXEMPT		
1947		100	7-45	McG	EXEMPT		
1960		130	8-28-58	LL	Rw		
1965		120	3-5-64	BLS	Rw		
1971 XL 1		260 B		T	260*364410-0190-0 8/9		
1972		1200	5-22-71	BLS	Rw-O		
19							
19							
19							
19							

FRAYN PRINTING CO., SEATTLE

1. DISTRICT 20-1
LIMITS O.Lo.
CODE NO. 1

2. ADDITION JACKSON & RAINIER STS. 364410 0195 49
SECTION 4 TWP. 24 N. RANGE 4 EWM. BLOCK #3 TRACT OR LOT NO. 7
DESCRIPTION

F 2499-B

364410-0195 X ~~130~~ 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER King Co. 1-15-22 6-27-22

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY Sloping GRADE Above 10 FT. 2. STREET-ROAD Graded SURFACE Paved
ALLEY No 3. SIDEWALK Conc. SEWAGE WATER City Water PUMP DRAINAGE
4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE Res. 7. DISTRICT Med.-Old Inv. 1st Res/

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$

O LAND SIZE X TOTAL $

C OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
City of Seattle	6-12-64	38808	—		

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle 1	1		

METRO

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS

ASSESSED VALUE YEAR	AC.	LAND	DECREASE OR INCREASE IN ASSESSED VALUATION DATE	BY	REASON	LAND DECREASE	LAND INCREASE
19 38		100			Exempt		
19 47		100	7-45	mcl.	EXEMPT		
19 60		130	8-28-58	LL	Rw		
19 65		120	3-5-64	bld	Rw		
19 71 XL		260 B	T	260*364410-0195-0 8/9			
19 72		1200	5-22-71	ok	Rw-D		
19							
19							
19							
19							

FRAYN PRINTING CO., SEATTLE

JACKSON & RAINIER STS 364410 020050

1. DISTRICT
LIMITS O.L.
CODE NO. 1

2. ADDITION
SECTION SE 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. 8
DESCRIPTION
F2499-B

364410-0200 X ~~130~~ 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER King Co. 1-15-32

LAND INFORMATION

1. SIZE OF TRACT OR LOT x TOPOGRAPHY Sloping GRADE Above 10 FT. 2. STREET-ROAD Graded SURFACE Paved
ALLEY No 3. SIDEWALK Conc SEWAGE WATER City Water PUMP DRAINAGE
4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE Res. 7. DISTRICT Med.-Old Zone 1st Res.

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE	VALUE
				$	$
					$
					$
					$
LAND SIZE x		TOTAL			$

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
~~[illegible] Seattle~~	~~6-12-64~~	~~[illegible]~~			

DISTRICT: ROAD	SCHOOL	WATER	FIRE	
Seattle 1	1			METRO

ASSESSED VALUE LAND

LOT $
UNIMPROVED ACRES $
IMPROVED ACRES $
OTHER LANDS $
TIMBER $
TOTAL ASSESSED VALUE 50% $
DATE
REMARKS

ASSESSED VALUE			DECREASE OR INCREASE IN ASSESSED VALUATION			LAND	
YEAR	AC.	LAND	DATE	BY	REASON	DECREASE	INCREASE
1938		100			EXEMPT		
1947		100	7-45	McE.	EXEMPT		
1960		130	8-28-58	LL	Rw		
1965		130	3-5-64	Bld	Rw		
1971	XL	260 B		T	260*364410-0200-0 8/9		
19							
1972		1200	5-22-71	RR	RN-O		
19							
19							
19							
19							

VACANT — KING COUNTY ASSESSOR — SEATTLE, WASHINGTON
FRAYN PRINTING CO., SEATTLE

1. DISTRICT 76-2 | LIMITS | O.L. | CODE NO. 1

2. ADDITION JACKSON & RAINIER 364410 0205-51
SECTION 25 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. 9
DESCRIPTION

F2499-B

364410-0205 X ~~130~~ 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER King Co. 1-5-22 6-27-24

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY Sloping GRADE Above 8 FT. 2. STREET-ROAD Graded SURFACE Paved
ALLEY No 3. SIDEWALK Conc SEWAGE WATER City Water PUMP DRAINAGE
4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE Res. 7. DISTRICT Med.-Old Town, part Res.

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE $	VALUE $
				$	$
				$	
				$	
				$	
				TOTAL	$

O C	LAND SIZE X OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
	City of Seattle	6-26	38808			

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle 1	1		METRO

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS

ASSESSED VALUE — DECREASE OR INCREASE IN ASSESSED VALUATION — LAND

YEAR	AC.	LAND	DATE	BY	REASON	DECREASE	INCREASE
19 38		110			EXEMPT		
19 47		100	7-45	McC.	EXEMPT		
19 60		130	8-28-58	LL	Rw		
19 65		130	3-5-64	BLD	Rw		
19 71	XL	260	B	T	260*364410-0205-0 8/9		
19							
19 72		1200	5-22-72	Ok	Rw-O		
19							
19							
19							
19							

FRAYN PRINTING CO., SEATTLE

1. DISTRICT 2-1
LIMITS
O. L.
CODE NO. 1

2. ADDITION JACKSON & RAINIER ST. 364410 3 10 0210
SECTION 4 TWP. 24 N. RANGE 4 EWM. BLOCK TRACT OR LOT NO.
DESCRIPTION

F2499-B

364410-0210 X ~~130~~ 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER
4. FEE OWNER King Co 1-5-22 1-28-22

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY Sloping GRADE Above 8 FT. 2. STREET-ROAD Graded SURFACE Paved
ALLEY No 3. SIDEWALK Conc SEWAGE WATER City Water PUMP DRAINAGE
4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET
FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT
6. USE Res. 7. DISTRICT Med.-Old Zoned 1 at Reo

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE $	VALUE $

LAND SIZE X TOTAL $

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
The City of Seattle	6-12-44	35808	—		

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle 1	1		

METRO

ASSESSED VALUE LAND

LOT $
UNIMPROVED ACRES $
IMPROVED ACRES $
OTHER LANDS $
TIMBER $
TOTAL ASSESSED VALUE 50% $
DATE
REMARKS

ASSESSED VALUE YEAR	AC.	LAND	DECREASE OR INCREASE IN ASSESSED VALUATION DATE	BY	REASON	LAND DECREASE	LAND INCREASE
19 35		100					
19 47		100	7-45	MM	EXEMPT		
19 66		130	8-28-58	LL	Rw		
19 65		130	3-5-64	BB	Rw		
19 71 XL		260 B		T	260*364410-0210-0 8/9		
19							
19 72		1200	5-22-71	Pa	R-10		
19							
19							
19							
19							

1. DISTRICT 24 LIMITS O.L. CODE NO. 1

2. ADDITION JACKSON & RAINIER STS. 364410 0215 53

SECTION 4 TWP. 24 N. RANGE 4 EWM BLOCK 3 TRACT OR LOT NO. 11

DESCRIPTION

F2479-B

364410-0215 X ~~200~~ 0010

3. ADDRESS OF PROPERTY CONTRACT PURCHASER

4. FEE OWNER King Co 6-27-27

LAND INFORMATION

1. SIZE OF TRACT OR LOT X TOPOGRAPHY Sloping GRADE Above 8 FT. 2. STREET-ROAD Graded SURFACE Paved

ALLEY 3. SIDEWALK Conc. SEWAGE WATER City Water PUMP DRAINAGE

4. LANDSCAPING None CONDITION 5. TREND Static VALUE OF LOT $ FRONT STREET

FACTOR $ SIDE STREET FACTOR $ DEPTH FACTOR $ CREDIT

6. USE Res. 7. DISTRICT Med.-Old Zoned 1st Res.

LAND USE	SOIL TYPE	CROPS-TIMBER STAND	NO. ACRES	VALUE ACRE $	VALUE $
					$
					$
					$
					$

O LAND SIZE X TOTAL $

C

OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
City of Seattle	6-2-64	38508			

DISTRICT: ROAD	SCHOOL	WATER	FIRE
Seattle 1	1		

METRO

ASSESSED VALUE LAND

LOT	$
UNIMPROVED ACRES	$
IMPROVED ACRES	$
OTHER LANDS	$
TIMBER	$
TOTAL ASSESSED VALUE 50%	$
DATE	

REMARKS

ASSESSED VALUE YEAR	AC.	LAND	DECREASE OR INCREASE IN ASSESSED VALUATION DATE	BY	REASON	LAND DECREASE	LAND INCREASE
1938		110			EXEMPT		
1947		110	7-48	McC.	EXEMPT		
1955		120	10-14-53	B.	Rev.		
1960		130	8-28-58	LL	RW		
1965		200	3-5-64	GLB	RW		
1971 XL		400 B	T		400*364410-0215-0 8/9		
1972		460	5-22-71	BR	RWA		
19							
19							
19							

District F2499-B SE 4 | Addition JACKSON - RAINIER | 3371

Section 4 Twp. 24 Range 4 EWM. Block 3 Tract or Lot No. 13

Description Lots 12-13-14

Permit No. 34895

Date 8/25-41

3 Address of Property 1305 - 30 So Cont. Purchaser

4 Fee Owner

5 Architect Contractor

6 Original Building Cost $ Owner-Tenant Occupied Rental per Month $ Estimated Rental per Month $

7 Condition of Exterior Good Interior Good Foundation Good Floor Plan Good Accept X Poor

BUILDING 12/42-HCY

- X One Family Dwelling
- Two Family Dwelling
- Store and Dwelling
- No. of Stories
- 6 No. of Rooms
- 1 Basement
- First Floor
- Second Floor
- Third Floor
- Attic

INTERIOR WALLS

- 5 Plaster
- Jazz Plaster
- Ceiled
- 1 Plywood Bsmt. Board
- Open Studs
- 2T Painted
- 4 Kalsomine
- Papered
- Unfinished Walls

FLOORS

- 4 Hardwood ( )
- 1 Fir
- Shiplap
- Unfinished
- Linoleum

FIREPLACE—No. 1

- Brick
- 1 Tile Face
- Concrete
- Cobblestone
- None
- Unfinished

INTERIOR TRIM

- Hardwood
- Mahogany
- 5 Fir
- 1 Unfinished Conc.

PLUMBING

- 7 No. of Fixtures
- 1 Tub—Iron or Pem.
- 2 Toilets
- 1 Bath—Pedestal
- 1 Sink
- Shower in Tub
- 1 Hot Water Tank
- 1 Laundry Trays
- None
- Unfinished
- Expensive
- X Good
- Average
- Cheap
- D. S. Sewer Conn.

TILE WORK FT.

- X Floor-Wall LIN Bath
- Floor-Wall Lavatory
- Floor-Wall
- Floor-Wall
- Floor-Wall Shower
- X Floor-Wall LIN Kitchen
- T X Kitchen Drain Board
- None
- Unfinished

ATTIC 30%

- Plaster
- Board
- Ceiled
- ✓ Stairway Open Closed
- ✓ Useful
- None
- ✓ Unfinished

PORCHES

- One Story
- Two Story
- Unroofed
- Brick and or Concrete
- Cement Floor
- Recessed
- Glassed
- Enclosed

EXTERIOR WALLS

- Boards and Batten
- Shiplap
- Rustic
- Fir Siding
- X Cedar Siding
- Shingles
- Shakes
- Stucco on Lath
- Brick Veneer Kind
- Stone
- Fabricated Steel
- Unfinished

CLASS 1-2-3-4-5-6-7 NO GOOD MEDIUM CHEAP

Date Built 1942 ☒ Finished ☐ Unfinished ☐ Remodeled

Age 22 Years Future Life Years

Dep. for Cond. Dep. for O. B. Dep. for E. S. Total 22

F2499-B

Built-Ins usual

CONSTRUCTION 6

- Single
- X Double
- Solid
- Very Cheap
- Cheap
- X Medium
- Good
- Special

Corner Joints

1700
3400
71

CEILING HEIGHT

	ft.	in.
Basement	7	
1st Floor	7	8
2nd Floor		
1st Floor		
Attic		

BASEMENT

- ✓ Full
- Part % Con.
- ✓ To 1st Floor Joist 6' Thick
- Frame and Concrete ft. ft.
- Cement Blocks
- ✓ CONC Floor
- Recreation Room
- Garage
- Plastered
- ✓ Drain
- 1 C.
- Unfinished

HEATING

- Stove
- Pipeless Furnace
- X Hot Air Furnace
- Hot Water
- Steam Gas Vapor Cab Connection
- Air Cond. Fan
- Stoker
- ✓ Oil Burner
- Air Cond. Complete

FOUNDATION

- ✓ Concrete 6" Thick
- Cement Blocks
- Stone or Brick
- Wood Post Concrete Block
- Porch

EXTRA FEATURES

- Bay Window Story
- Beam Ceiling
- Cathedral Ceiling
- Dormers

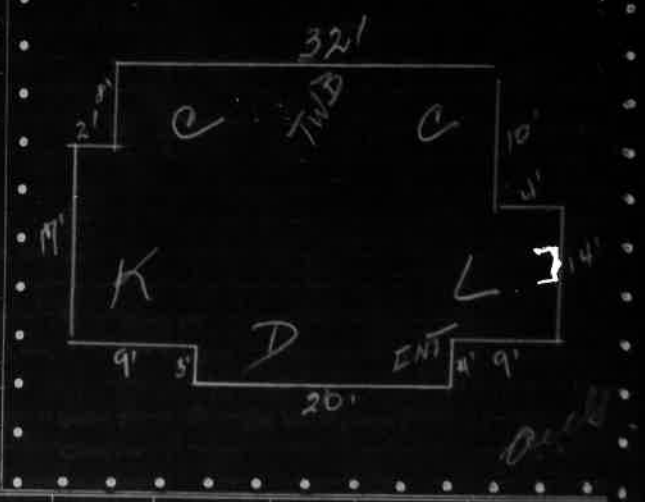
ROOF

- X Shingle
- Composition
- Tile or Slate
- Tar and Gravel
- Tar Paper

FLOOR CONSTRUCTION

- 1st Floor Joists 2 x 10
- ✓ Bridged 16 o c
- Post Size 6 x 6
- Beam Size 6 x 8

GROUND FLOOR AREA 945 Sq. Ft. SCALE ☐ = FT



Other Buildings	Construction	Floor	Roof	Stv.	Dimensions	S. F. Area	Factor	Value	% Dep.	Deprec.	Net Value
Garage Detchd.	Frame	DIRT	Sgl	1	10 x 16	180		$		$	$
					x			$		$	$
					x			$		$	$
					x			$		$	$

S. O. S. 12419

1. DISTRICT
LIMITS O. L.
CODE NO.
PERMIT NO. 1
DATE

2. ADDITION JACKSON & RAINIER
SECTION 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. 17
DESCRIPTION S 55' of lot 16 & all of 17 & N 15' of lot 18
Folio 2499-B

3. ADDRESS OF PROPERTY 1315 30th Ave. South CONTRACT PURCHASER
4. FEE OWNER DOMENICO CAPPELLETTI, 200 10-21-35 12-18-31
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY Owner RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR Fair INTERIOR Good Fair FOUNDATION Good FLOOR PLAN Accept

8. BUILDING
1 Fmly Dwlg
1 Story 6½
7 6 Rooms
4 1st Flr
2 Attic

INTERIOR WALLS
6 Plaster
1 Plaster Bd.
1 Painted
6 Kalsomine

FLOORS
7-6 Fir

FIRE PLACE
None

INTERIOR TRIM
7-6 Fir

PLUMBING
7 Fixtures
1 Tub-Leg
2 Toilet
1 Basin
2 Sink
1 H.W. Tank
1 Ldy Try
1 Shower
Average

TILE WORK
None

ATTIC 30%
2-Plaster
Stairway Useful

HEATING
Hot Air Furn.
oil Burner

BASEMENT Full
Frame & Conc.
5 3
Conc. Flr.

FOUNDATION
Conc.
Pch. P & B

ROOF
COMP
Shingle

EXTERIOR WALLS
Cedar Siding
COMPOSITION
Insul. Siding

PORCHES
2 1 Story
2 Roofed
1 Brick & Conc.

EXTRA FEATURES
None

BUILT-INS
Kit-Cab.
5

CONSTRUCTION
Dbl. Med.

CEILING HEIGHT
Bsm't 8'
1st Flr. 8' 11"
Attic 7' to 48"

9. CORNER JOINTS Mitered DOWN SPOUTS SEWER CONNECTED Yes
10. FIRST FLOOR JOIST SIZE 2 x 8 AND 18 INCH CENTERS BRIDGED Yes
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE 6 x 6
12. CLASS OR GRADE NO. 3 SHAPE NO. 1
13. BUILDING FINISHED OR UNFINISHED Finished
14. DEPRECIATION: CONDITION ~~35~~ 40 % OBSLSE. % ECON. SUIT % TOTAL 43 %
DATE BUILT 1922 REMODELED
~~EFFECTIVE AGE 14~~ 16 YEARS FUTURE LIFE 26 YEARS

LAND INFORMATION
1. SIZE X TOPOGRAPHY Sloping GRADE On Grade FEET
2. STREET ROAD Graded SURFACE Paved ALLEY No
3. SIDEWALK Conc. SEWERAGE Yes WELL ELECT. PUMP
4. LANDSCAPING Shrub COND. Good
5. TREND Static VALUE OF LAND
6. USE OF DISTRICT Res. VIEW No
7. RESIDENTIAL Med.-Old ZONED 1st Res
REMARKS

F2499-B

MAIN BUILDING

DIMENSION	SQ. FT. AREA
25 x 30	750
x	
x	
x	
PCH. 5 x 10	50
PCH. 5 x 9	45

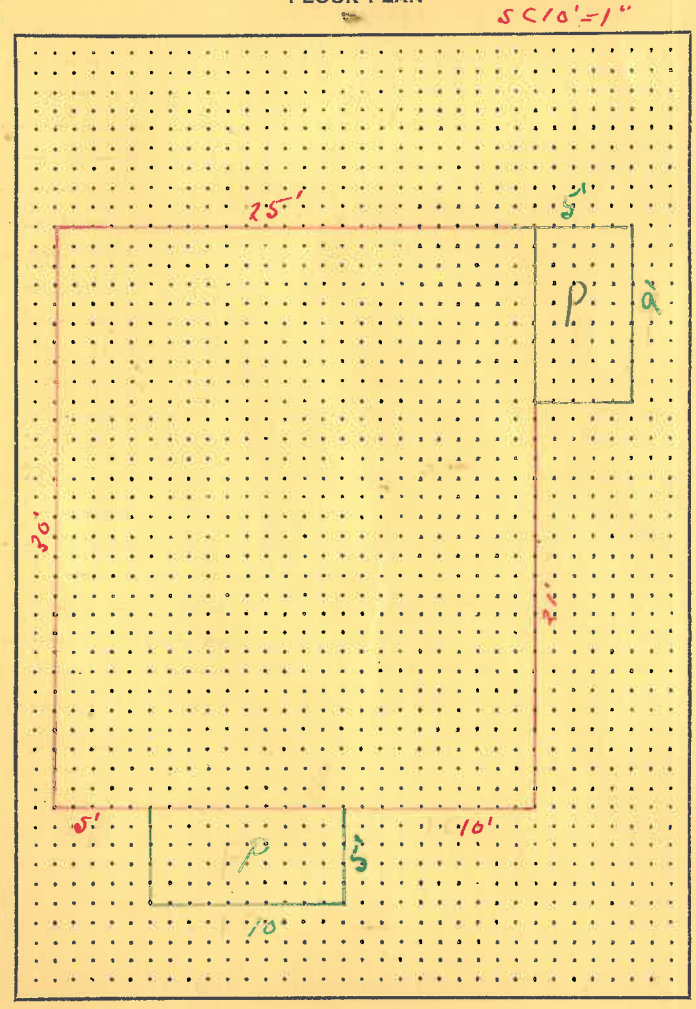
IMPROVEMENT VALUE
MAIN BUILDING $ ~~920~~
OTHER BUILDINGS $ 20
TOTAL $ ~~940~~ ~~1500~~
ASSESSED VALUE 50% $ ~~470~~ ~~750~~
DATE 9-8-37 ~~900~~ 2200 ~~1400~~

OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE 1	Sgl	Bd	Shg	1	12 x 16	192	$ 31
" 1948	frc	Conc	Comp	1	20 x 21	420	
					x		
					x		
					x.		

O C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP

REMARKS Blk 3 S. 55' of 16 + N. 15' of 18 Jackson + Rainier 1st add

FLOOR PLAN
SC 10'=1"



FRONT

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65

1. DISTRICT

LIMITS

O. Lo.
CODE NO.

PERMIT NO.

DATE

2. ADDITION JACKSON & RAINIER STS.
SECTION 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. 20
DESCRIPTION S10' of L 18 & all of lots 19 & 20 & N10' of lot 21

Folio 2499-B

3. ADDRESS OF PROPERTY 1323 30th Ave. S. CONTRACT PURCHASER
4. FEE OWNER CELESTINO MATOZZA 9-12-21 6-7-21
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY Owner RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR Fair INTERIOR Fair FOUNDATION Fair FLOOR PLAN Accept

8. BUILDING
1 Fmly Dwlg
1 Story
7-5 Rooms
5 1st Flr
2 Bsmt.

INTERIOR WALLS
5 Plaster
2 " Brd.

FLOORS
7 5 Fir

FIRE PLACE
None

INTERIOR TRIM
7-5 Fir

PLUMBING
6 Fixtures
1 Tub-Leg
1 Toilets
1 Basin
1 Sink
1 H.W. Tank
1 Ldy Try

Average

TILE WORK
None

ATTIC
None

HEATING H.a. Furn. (cat)
Pipeless Furn.
O. I Burner
Conv.

BASEMENT Full
Frame & Conc.
4 3-6"
1-C.
Badly cracked

FOUNDATION
Conc.
2 Conc. Porches

ROOF
Shingle

EXTERIOR WALLS
Cedar Siding
shakes.

PORCHES
3 1 Story
1 Roofed
2 Rec.

EXTRA FEATURES

BUILT-INS
Kit-Cab
5.

CONSTRUCTION
Dbl Med

CEILING HEIGHT
Bsm't 7' 6"
1st Flr 9'

9. CORNER JOINTS Mitered DOWN SPOUTS SEWER CONNECTED Yes
10. FIRST FLOOR JOIST SIZE 2 x 8 AND 16 INCH CENTERS BRIDGED No
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE 6 x 6
12. CLASS OR GRADE NO. 3 SHAPE NO.
13. BUILDING FINISHED OR UNFINISHED Finished
14. DEPRECIATION: CONDITION 62 60 57 % OBSLSE. % ECON. SUIT % TOTAL 57 %
DATE BUILT 1906 REMODELED
~~EFFECTIVE~~ AGE 45 52 YEARS FUTURE LIFE 15 YEARS

LAND INFORMATION

1. SIZE x TOPOGRAPHY Sloping GRADE On Grade FEET
2. STREET ROAD Graded SURFACE Paved ALLEY No
3. SIDEWALK Conc. SEWERAGE Yes WELL ELECT. PUMP
4. LANDSCAPING Lawn & Shrubs COND. Good
5. TREND Static VALUE OF LAND
6. USE OF DISTRICT Res. VIEW No
7. RESIDENTIAL Med.-Old ZONED 1st Res

REMARKS

MAIN BUILDING

DIMENSION	SQ. FT. AREA
24 x 35	840
x	
x	
Pch 4 x 5	20
PCH. 4 x 4	16
PCH. 5 x 7	35

IMPROVEMENT VALUE

MAIN BUILDING	$ ~~470~~
OTHER BUILDINGS	$ ~~10~~
TOTAL	$ ~~480~~ 900
ASSESSED VALUE, 50%	$ ~~240~~ 450 400
DATE 9-9-37	1600

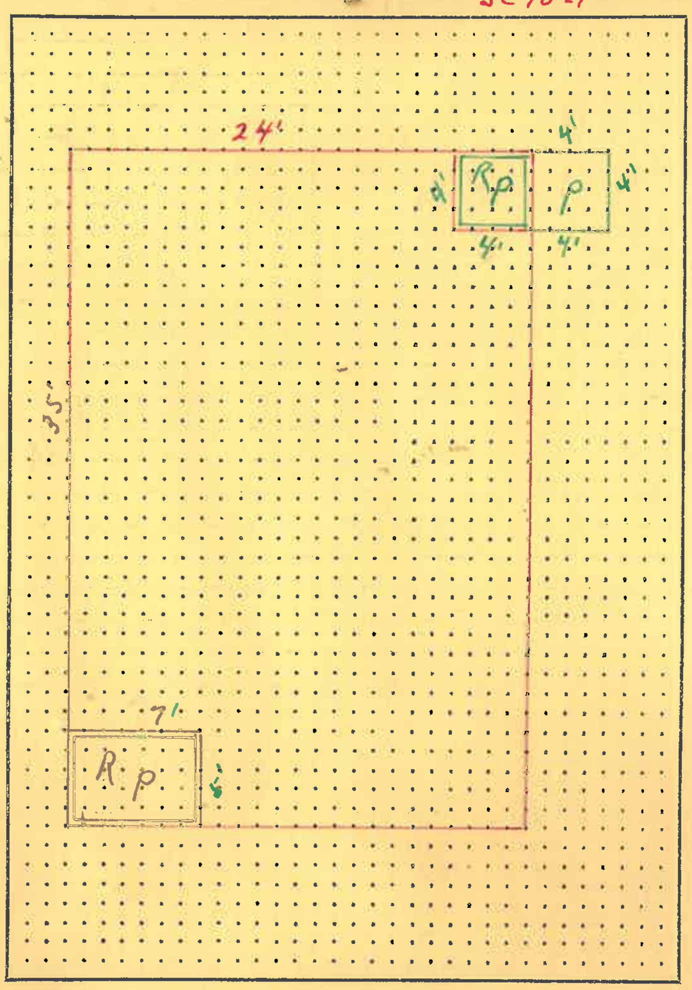
OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE 1	Sgl	Bd	Shg	1	11 x 17	187	$ 13
					x		
					x		
					x		
					x		

O C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
D	Simon Tamayo	12-10-56	E214921	7,000		08

REMARKS Old S10' of L 18 & 19 + N 10' of 21 Jackson & Rainier Strada
3 3 3

FLOOR PLAN

sc 10' = 1"



FRONT

68-

1. DISTRICT: 20-A
LIMITS: O. L.
CODE NO.: 1
PERMIT NO.: 325049 9/30/37
DATE

2. ADDITION: JACKSON & RAINIER STS.
SECTION: SE 4 TWP. 24 N. RANGE 4 EWM. BLOCK 3 TRACT OR LOT NO. ~~22~~
DESCRIPTION: S 15' of lot 21 & all of lot 22.
Folio 2499-B

3. ADDRESS OF PROPERTY: 1325 30th Ave. So. CONTRACT PURCHASER
4. FEE OWNER: Felice Bredice 10-22-32
5. ARCHITECT CONTRACTOR
6. ORIG. BUILDING COST $ OCCUPIED BY: Owner RENTAL PER MONTH $ ESTIMATED RENTAL PER MONTH $
7. CONDITION OF EXTERIOR: Good INTERIOR: Good FOUNDATION: Good FLOOR PLAN: Accept

8. BUILDING
1 Fmly Dwlg
1 Story attic
5 Rooms 4 2 Rm
5 1st Flr

INTERIOR WALLS
5 Plaster
5 Kalsomine

FLOORS
5 Fir

FIRE PLACE
None

INTERIOR TRIM
5 Fir

PLUMBING
6 Fixtures
1 Tub-Leg
1 Toilet
1 Basin
1 Sink
1 H.W. Tank
1 Ldy Try

Average

TILE WORK: None

ATTIC: None

HEATING: ~~Hot Water~~ Steam
Oil Burner

BASEMENT: Full
Frame & Conc.
8' 9"
Drain
Garage

FOUNDATION: Conc.

ROOF: Comp
~~Shingle~~
~~Johns-Manville~~

EXTERIOR WALLS
Johns-Manville
Asbestos shgls

PORCHES: 2 1 Story
1-Roofed
1-Rec

EXTRA FEATURES
Bay Window 1sty
1 - 3' Dormer

BUILT-INS
Averege 5

CONSTRUCTION
Dbl Med.

CEILING HEIGHT
Bsm't 8' 9"
1st Flr 9'

9. CORNER JOINTS DOWN SPOUTS SEWER CONNECTED
10. FIRST FLOOR JOIST SIZE 2 x 10 AND 18 INCH CENTERS BRIDGED No
11. FIRST FLOOR JOIST SUPPORT COLUMN OR POST SIZE 6 x 6
12. CLASS OR GRADE NO. 3 SHAPE NO.
13. BUILDING FINISHED OR UNFINISHED: Finished
14. DEPRECIATION: CONDITION 62 60 % OBSLSE. % ECON. SUIT % TOTAL 52 %
DATE BUILT 1906 REMODELED 1937
~~EFFECTIVE~~ AGE 25-52 YEARS FUTURE LIFE 15 YEARS

LAND INFORMATION

1. SIZE x TOPOGRAPHY: Sloping GRADE: On Grade FEET
2. STREET ROAD: Graded SURFACE: Paved ALLEY: No
3. SIDEWALK: Conc. SEWERAGE: Yes WELL ELECT. PUMP
4. LANDSCAPING: Lawn & Shrubs COND. Good
5. TREND: Static VALUE OF LAND
6. USE OF DISTRICT: Res. VIEW: No
7. RESIDENTIAL: Med.-Old ZONED: 1st Res

REMARKS

MAIN BUILDING

DIMENSION	SQ. FT. AREA
24 x 40	960
x	
x	
x	
PCH. 5 x 6	30
PCH 4 x 5	20

IMPROVEMENT VALUE
MAIN BUILDING $
OTHER BUILDINGS $
TOTAL $ 920 1200
ASSESSED VALUE 50% $ 460 600
DATE 9-8-37
550
950
1900

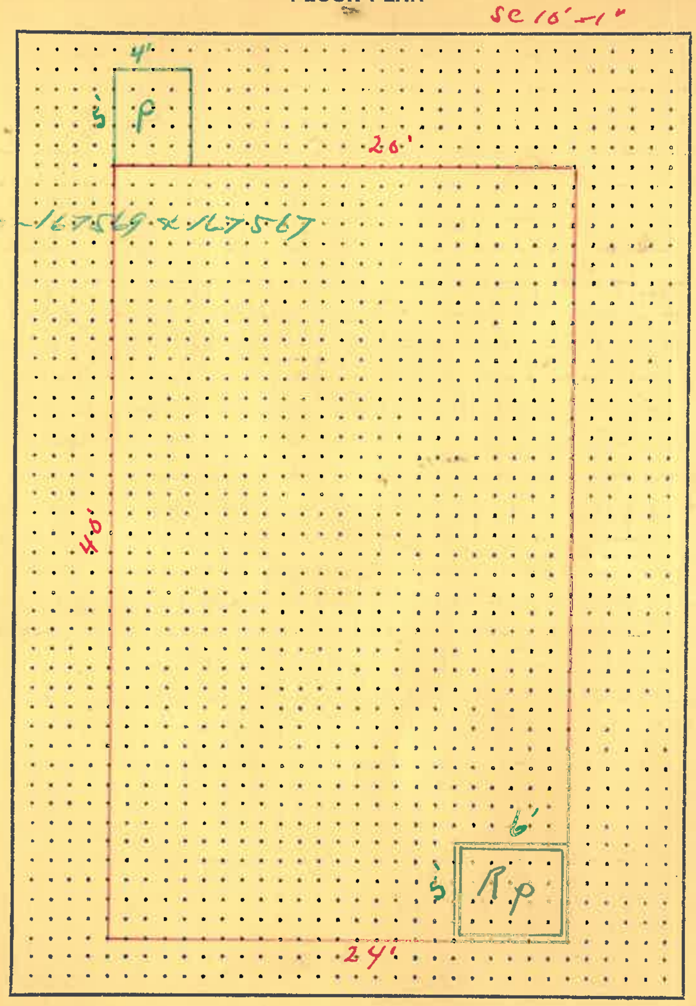
OTHER BUILDINGS	CONSTRUCTION	FLOOR	ROOF	STY.	DIMENSION	AREA	VALUE
GARAGE	in basement				x		$
					x		
					x		
					x		
					x		

O C	OWNER OR CONTRACT PURCHASER	DATE	FILE NO.	PRICE	MTGE.	STAMP
20	Annie Dell Davis	11-15-71	E167568	$14000	Sc dup E167570	-167569 & 167567

REMARKS: also S 15' of 21 / 3 Jackson & Rainier Sts add

1937 Permit Bsmt Garage & Extend Front

FLOOR PLAN



FRONT

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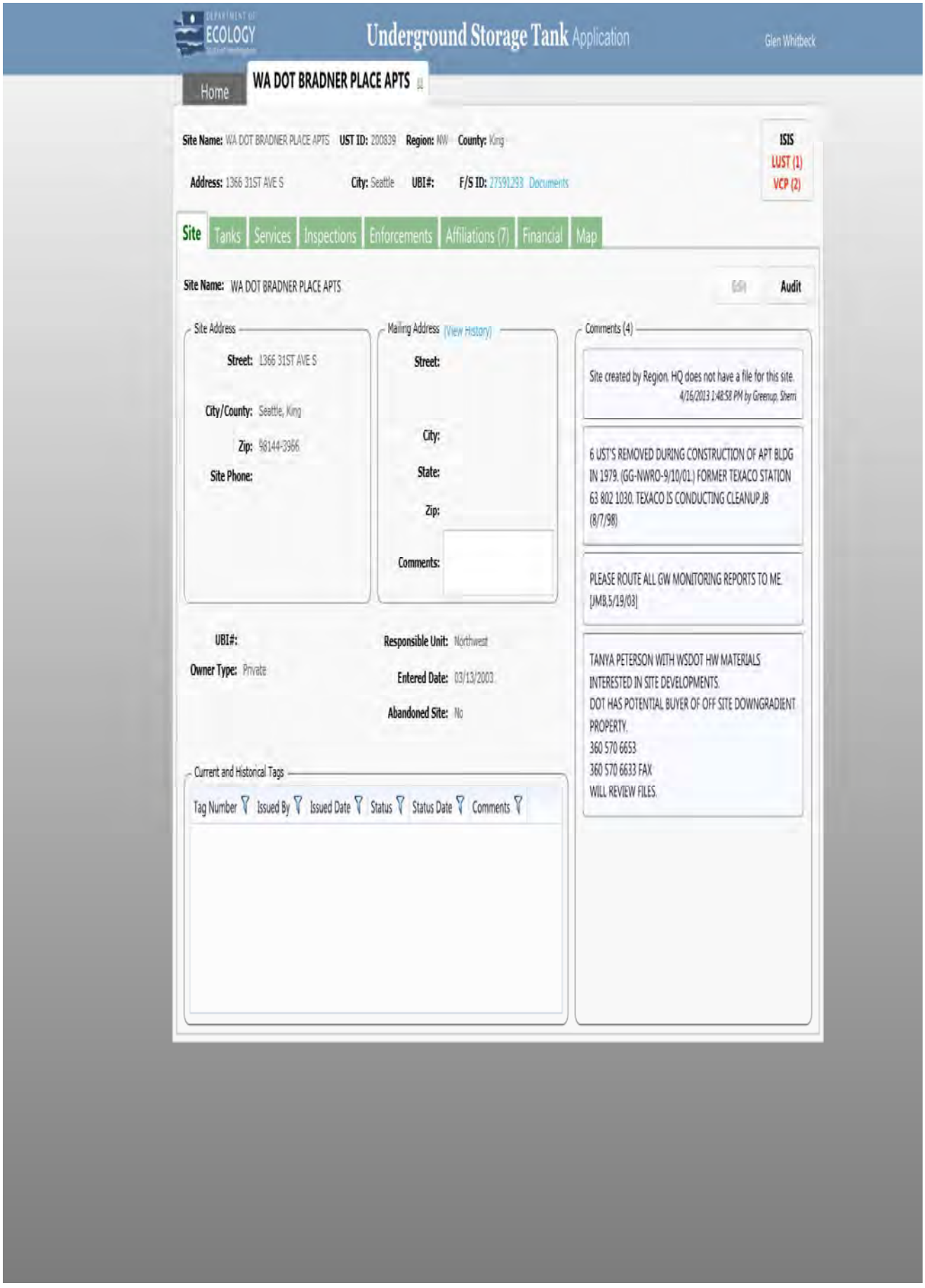
Appendix I

Ecology Records


DEPARTMENT OF ECOLOGY
Underground Storage Tank Application
Glen Whitbeck
Home
WA DOT BRADNER PLACE APTS
Site Name: WA DOT BRADNER PLACE APTS UST ID: 200839 Region: NW County: King
Address: 1366 31ST AVE S City: Seattle UBI#: F/S ID: 27591293 Documents
ISIS
LUST (1)
VCP (2)
Site Tanks Services Inspections Enforcements Affiliations (7) Financial Map
Site Name: WA DOT BRADNER PLACE APTS
Audit
Site Address
Street: 1366 31ST AVE S
City/County: Seattle, King
Zip: 98144-3966
Site Phone:
Mailing Address (View History)
Street:
City:
State:
Zip:
Comments:
Comments (4)
Site created by Region. HQ does not have a file for this site.
4/16/2013 1:48:58 PM by Greenup, Sherri
6 UST'S REMOVED DURING CONSTRUCTION OF APT BLDG IN 1979. (GG-NWRO-9/10/01.) FORMER TEXACO STATION 63 802 1030. TEXACO IS CONDUCTING CLEANUP JB (8/7/98)
PLEASE ROUTE ALL GW MONITORING REPORTS TO ME. [JMB,5/19/03]
TANYA PETERSON WITH WSDOT HW MATERIALS INTERESTED IN SITE DEVELOPMENTS.
DOT HAS POTENTIAL BUYER OF OFF SITE DOWNGRADIENT PROPERTY.
360 570 6653
360 570 6633 FAX
WILL REVIEW FILES.
UBI#:
Owner Type: Private
Responsible Unit: Northwest
Entered Date: 03/13/2003
Abandoned Site: No
Current and Historical Tags
Tag Number Issued By Issued Date Status Status Date Comments

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
19033 West Valley Highway, Suite D-104, Kent, WA 98032 USA
Tel: (206) 251-5441 Fax: (206) 251-8452

REPORT OF ENVIRONMENTAL SITE ASSESSMENT TEXACO SITE NO. 63-802-1030 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON

WDOT BRADNER PLACE APTS.

GTI Project 020600169

September 13, 1995

Prepared for:

Mr. Kevin Jewett
Texaco Environmental Services
3400 188th Street SW, Suite 630
Lynnwood, Washington 98037

Groundwater Technology, Inc.
Submitted by:

Steven Hartman
Staff Geologist

Groundwater Technology, Inc.
Approved by:

Mark E. Nichols
Project Manager/Hydrogeologist

QA/QC by:

Stan Haskins, R.G.
Lead Geologist

Independent Action Report Update

Site Name: UDOT BRADER PLACE APTS

Inc. #: 3979 Date of Report: 9-13-95

County: KING Date Report Rec'd: 9-25-95

Reviewed by: John Bails

Comments (please include: free prod., tank info., contaminant migration, GW depth & flow, conc. trends, PCS treated?):

GROUNDWATER @ 25' BGS. AT MW-8. GROUND WATER RANGES BETWEEN 16' (VEW-2) TO 32' (MW-5)

BENZENE IN MW-3 @ 1300 PPB. TPH-G IN 5 WELLS. HIGHEST TPH-G IN VEW-1 @ 53000 PPB.

FORMER SERVICE STATION NOW OCCUPIED BY 3 STORY APT BLDG.

EXECUTIVE SUMMARY

Groundwater Technology, Inc. conducted additional environmental assessment at the former Texaco service station site located at 1366 31st Avenue South, in Seattle, Washington (Texaco Facility # 63-802-1030). The purpose of the investigation was to further assess the groundwater and subsurface soils for the presence of petroleum hydrocarbons. Tasks performed during the assessment included: 1) shallow soil sampling in the southwest quarter of the property; 2) sampling the ambient air in the crawl space under the apartment building; 3) installing one monitoring well (MW-8) in 31st Avenue South, southwest of the site; 4) surveying well MW-8 to the existing arbitrary site datum; 5) submitting one soil sample from the boring for MW-8 for laboratory analysis; 6) gauging the depth to water in the monitoring and vapor extraction wells (except MW-7); 7) sampling the groundwater in the monitoring and vapor extraction wells (except MW-7); 8) disposing of the soil and groundwater wastes generated during this scope of work; and 9) interpreting the data obtained and compiling this report. This scope of work was conducted from July to September, 1995.

Observations and findings:

- Concentrations of total petroleum hydrocarbons-as-oil (TPH-o) exceeding the Method A Compliance Cleanup Levels [CCL(a)s] for soil were detected at four inches below grade (bg) in the sample location near the southwest corner of the apartment building.

- Two grab samples of the ambient air collected in the crawl space under the apartment building in the vicinity of the former dispenser islands and underground storage tanks (USTs) did not contain detectable concentrations of benzene, toluene, ethylbenzene, total xylenes (BTEX), or total petroleum hydrocarbons-as-gasoline (TPH-g).

- Four Gore-Sorber™ adsorbent sampling devices were deployed in the apartment building crawl space for seven days and contained concentrations of BTEX. However, the trip blank also contained concentrations of BTEX. In the case of benzene and toluene, the trip blank concentrations exceeded the exposed sorber concentrations.

- One monitoring well (MW-8) was completed to a depth of 40 feet bg. The boring for monitoring well MW-8 was advanced to a depth of 45 feet bg. Groundwater was detected at 25 feet bg. Static groundwater was measured at 25.73 feet bg. A soil sample collected at 25 feet bg did not contain detectable concentrations of BTEX or TPH-g. The groundwater sample contained BTEX and TPH-g concentrations in excess of the CCL(a)s.

- The depth to groundwater in the wells (except MW-7) ranged from 16.46 feet (VEW-2) to 32.13 feet (MW-5). These water levels are approximately six to ten feet lower than the water levels measured in March, 1995. The groundwater flow gradient was westerly to northwesterly at approximately 20 feet per 100 feet.

- Benzene concentrations in the monitoring and vapor extraction wells exceeded the CCL(a) in all of the sampled wells except MW-4 (well MW-7 was not sampled). The detected concentrations ranged from 13.2 μg/L in MW-5 to 1,300 μg/L in MW-3. TPH-g concentrations exceeding the CCL(a) were detected in MW-2, MW-3, MW-8, VEW-1, and VEW-2. The highest TPH-g concentration detected was in the sample from well VEW-1 with 53,000 μg/L.

- The BTEX and TPH-g concentrations increased since the last sampling event (March, 1995) in the wells where data available, except benzene in MW-2 and BTEX/TPH-g in MW-5.

CONTENTS

Figures

Tables

Appendices

1.0 INTRODUCTION

This report presents the work steps and results of additional environmental subsurface assessment conducted by Groundwater Technology, Inc. (GTI) on behalf of Texaco Environmental Services (TES) at the former Texaco Refining and Marketing Inc. (Texaco) service station (#63-802-1030) located at 1366 31st Avenue South, in Seattle, Washington (Figure 1, Site Location Map). The purpose of this work was to further assess the extent and concentration of gasoline hydrocarbons in the building crawl space and in groundwater and soil both on and off site, in accordance with the Washington Department of Ecology (WDOE) Model Toxics Control Act[1] (MTCA). The scope of work included air sampling, shallow soil sampling, installing one monitoring well, and groundwater sampling. The field work associated with this assessment was conducted in July and August, 1995.

The site is a former Texaco service station currently owned by the Washington Department of Transportation (WDOT). A vacant, three story apartment building currently exists on the site. Based on information provided by TES, previous investigations of the site have been conducted by Dames & Moore of Seattle, Washington on behalf of the WDOT. In February and March, 1995, GTI conducted a subsurface environmental assessment of the site on behalf of Texaco.

2.0 SCOPE OF WORK

The following outline summarizes the specific work steps performed by GTI:

- Collected soil samples at 4 and 18 inches below grade (bg) from 21 locations spaced in a grid pattern along the southwest quarter of the property, and submitted them for laboratory analysis.
- Collected four samples of the ambient air in the crawl space of the building with adsorbent material exposed for one week, and submitted for laboratory analysis
- Collected two samples of the ambient air in the crawl space of the building in Tedlar bags, and submitted for laboratory analysis.
- Supervised the drilling for one 45-foot monitoring well (MW-8) boring and collected one soil sample for laboratory analysis.
- Supervised the installation of monitoring well MW-8.
- Developed and surveyed monitoring well MW-8.
- Gauged the depth to water in each of the monitoring and vapor extraction wells (except MW-7).

[1]Washington Department of Ecology (WAC 173-340)

- Collected groundwater samples from each of the monitoring and vapor extraction wells (except MW-7), and submitted for laboratory analysis.
- Arranged and supervised disposal of soil wastes generated from this scope of work.
- Presented this report which includes the analytical results and findings.

3.0 SITE SETTING AND BACKGROUND[2]

The site is located in the northeast quarter of the northeast quarter of Section 10, Township 24 North, Range 4 East on the northeast corner of the intersection of South Day Street and 31st Avenue South. The area is a mixed residential and retail district in the Mount Baker neighborhood of Seattle, Washington (Figure 1). The site is situated above the Mount Baker Tunnel which was constructed in 1990 as part of the Interstate 90 Corridor Project. The elevation of the site is approximately 250 feet above Mean Sea Level[3]. The former Texaco site is level with a slight slope to the north and east. The local topography slopes steeply to the east and west within 1,000 feet of the property. Rainier Valley lies to the west of the site and Lake Washington lies to the east. The closest surface water is Lake Washington, located approximately 1,500 feet east of the site.

The subject property covers approximately 12,000 square feet. It was purchased in 1990 by the WDOT along with other properties to the west and north of the site as part of the Interstate 90 Corridor Project. The site currently consists of the three-story Bradner Place Apartment Complex, a covered parking area, asphalt, and landscaping. The apartment building is vacant, as are the other local properties owned by the WDOT.

Hydrocarbon odors were first detected by WDOT personnel in the crawl space under the apartment building during building renovation work. In October, 1992, the WDOT collected three soil samples within the crawl space and had them analyzed for TPH-g, TPH-d, and volatile organic compounds (VOC). Combined TPH-g and TPH-d concentrations detected in the soil samples collected at the north and south ends of the crawl space were 620 and 770 milligrams per kilogram (mg/Kg), respectively. Dichlorobenzene concentrations in the samples detected by the VOC analysis ranged from 1.3 to 7.3 mg/Kg.

Based on these findings, the WDOT retained Dames and Moore of Seattle, Washington to conduct a Phase I Environmental Site Assessment. The Phase I assessment included researching former uses and owners of the property. Through its research, Dames and Moore discovered that a former

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[2]The historical background is summarized from Final Report: Preliminary Soil and Groundwater Characterization, Bradner Place Apartment Complex, (Dames and Moore, February 10, 1994).

[3]USGS 7.5 Minute Quadrangles, Seattle South, Washington, 1948, Revised 1973.

gasoline service station occupied the property from the late 1940s through the 1970s. This station was apparently owned and operated by Texaco. Dames & Moore reported that the former station contained three service bays, two pump islands, four 4,000-gallon fuel hydrocarbon (gasoline and diesel) underground storage tanks (USTs), one 1,000-gallon heating oil UST, and one 500-gallon used-oil UST (Figure 2, Site Plan). The Dames and Moore review of historical aerial photographs indicates the apartment building overlies the majority of the former service station facilities, including the USTs pits, service islands, and station building. Dames and Moore reported that the USTs were removed during the apartment building construction, but no compliance sampling reports were found.

Phase II of the environmental site assessment was conducted by Dames and Moore in December of 1993. Site assessment activities included: 1) a soil-gas survey; 2) the advancement and sampling of four soil borings outside the building by hollow-stem auger drilling; 3) six soil borings inside the building by hand augering; and, 4) the installation and sampling of three groundwater monitoring wells. The soil-gas survey results indicated elevated benzene, toluene, ethylbenzene, and total xylenes (BTEX) and total petroleum hydrocarbons-as-gasoline (TPH-g) concentrations, up to 5,560 parts per million by volume (ppmv), in the former pump islands area, the gasoline USTs area, and the used-oil UST area (Figure 2). Soil borings were advanced in these three areas to further delineate the lateral extent and the concentrations of hydrocarbon impacts in the subsurface. Dames & Moore's Phase II investigation reported soil containing TPH-g concentrations exceeding the WDOE MTCA Method A Compliance Cleanup Levels [CCL(a)s] existed under the apartment building in the three areas of exploration described above. A soil sample from hand boring HA-1, which Dames & Moore drilled near the former used-oil UST pit, contained TPH-g, total petroleum hydrocarbons-as-diesel (TPH-d), and total petroleum hydrocarbons-as-oil (TPH-o) concentrations that exceed the CCL(a)s.

Three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed by Dames and Moore during the week of December 7, 1993 (Figure 2). Groundwater was encountered during drilling at depths ranging from 32 to 44 feet below grade (bg). After installation and well development, the static groundwater level in the wells was measured at depths ranging from 21 to 24 feet bg. The apparent groundwater flow direction was westerly at that time. Dames and Moore hypothesized in their subsurface assessment report dated February 10, 1994 that the groundwater under the site was confined.

Groundwater monitoring wells MW-1, MW-2, and MW-3 were sampled on December 21, 1993 and submitted for laboratory analysis of BTEX, TPH-g, and TPH-d. Analytical results indicated that BTEX and TPH-g concentrations exceeded the CCL(a)s in monitoring wells MW-2 and MW-3, west of the former gasoline service station (Figure 2). Benzene concentrations in wells MW-2 and MW-3 were 170 and 460 micrograms per liter (μg/L), respectively. The TPH-g concentrations were 3,300 and 42,000 μg/L, respectively. Monitoring well MW-1 did not contain BTEX or TPH-g concentrations at or above the laboratory's method reporting limits (MRLs). During the Dames & Moore investigation,

dissolved TPH-d was only detected in well MW-3 at a concentration of 820 µg/L, which is below the CCL(a).

Groundwater Technology conducted an environmental site assessment on behalf of Texaco in February and March, 1995. The scope of work included advancing seven soil borings (six by hollow stem auger drilling and one by hand), installing three monitoring wells (MW-4, MW-5, and MW-7) and two vapor extraction wells (VEW-1 and VEW-2), gauging and sampling the existing and newly-installed wells, and performing two rising-head slug tests. Soil samples with concentrations exceeding the CCL(a)s were collected from borings VEW-1, VEW-2, and B-5 (hand boring). The depth to water in the wells (not including MW-7) ranged from 6.28 to 26.9 feet bg. The groundwater flow gradient was westerly to northwesterly at approximately 13 feet per 100 feet. Concentrations of BTEX and/or TPH-g exceeding the CCL(a)s were detected in all of the sampled wells except MW-4 and MW-7. The highest benzene concentration was detected in MW-3 at 1,130 µg/L; the highest TPH-g concentration was detected in VEW-1 at 44,000 µg/L. Based on the analysis of slug-test data collected from MW-5, the hydraulic conductivity of the site is approximately 6 gallons per day per square foot. Based on the gradient and estimated transmissivity of the groundwater velocity is estimated to be approximately 0.3 feet per day. These findings are detailed in GTI's Report of Environmental Site Assessment, dated June 13, 1995.

4.0 SHALLOW SOIL SAMPLING

4.1 Methods

On July 7, 10, and 13, 1995, 21 hand borings were completed along a grid pattern across the southwest quarter of the property (Figure 3, Soil Sample Location Map). The sampling locations were selected in order to assess the shallow soil conditions with respect to petroleum hydrocarbons in the vicinity of the former pump islands and UST cavity. At each location, one soil sample was collected at 4 and 18 inches below grade. A total of 42 soil samples were submitted under chain-of-custody to Transglobal Environmental Geosciences Northwest, Inc. (TEG) of Lacey, Washington for analysis. Each sample was analyzed for BTEX by EPA Method 8020 and TPH-g by Washington Method WTPH-G. Selected samples were further analyzed for TPH-d and TPH-o by Washington Method WTPH-D Extended. Standard operating procedures for soil sampling are included in Appendix A.

4.2 Results

Only sample SS-7-4, collected four inches bg at sample location #7 (Figure 3) contained analyte concentrations that exceeded the CCL(a)s, with 324 mg/Kg of TPH-o. Two other samples, SS-5-4 and SS-8-4, contained detectable concentrations of TPH-o, with 82 mg/Kg and 48 mg/Kg, respectively. Sample SS-19-4 was the only sample with a detectable concentration of TPH-d (70 mg/Kg). No samples contained detectable concentrations of BTEX or TPH-g. Table 1 summarizes the laboratory analytical results. The complete laboratory report is included in Appendix B.

5.0 AMBIENT AIR SAMPLING

5.1 Methods

The ambient air in the apartment building's crawl space was sampled by two methods in order to assess the possible presence of gasoline-range hydrocarbon vapors in the crawl space. Two grab samples, designated AIRBAG 1 and AIRBAG 2, were collected in Tedlar bags and sent with a chain-of-custody to GTEL Environmental Laboratories, Inc. in Concord, California on July 5, 1995. The grab samples were collected in the southwest corner of the building, between the former locations of the pump islands and the UST cavity (Figure 4, Air Sample Location Map).

Four samples designated 111990 through 111993 were collected over a one week period in the locations depicted in Figure 4. Four Gore-Sorbers™ (sorbers) were hung from the crawl space ceiling on July 5, 1995. Each sorber consists of a known amount of adsorbent material inside of a synthetic material that is permeable to vapor but not to water. Volatile organic compounds in the ambient air are adsorbed from the ambient air to the sorber and extracted for analysis. The sorbers remained in the crawl space for seven days. Each sorber was placed in a glass jar provided by the manufacturer [W.L. Gore & Associates, Inc. (Gore) of Elkton, Maryland] per the handling instructions and sent to Gore's environmental laboratory in Elkton, Maryland.

5.2 Results

The grab air samples were analyzed for BTEX by EPA Method 8020 and TPH-g by EPA Method 8015, modified for air analyses. There were no concentrations of BTEX or TPH-g detected above the MRLs in either sample. Table 2 summarizes the laboratory analytical results. The complete laboratory report is included in Appendix C.

The four sorbers were analyzed for BTEX by thermal desorption/cryofocusing, gas chromatography, and mass selective detection. BTEX compounds were detected in each of the sorbers at

concentrations less than 0.5 μg. The highest detected compound was 0.41 μg in sample 111991. The benzene concentration in each sample was equal to or less than 0.02 μg. The trip blank contained 0.04 μg of benzene, 0.41 μg of toluene, 0.02 μg of ethylbenzene, and 0.10 μg of total xylenes. The benzene and toluene concentrations in the trip blank exceeded the concentrations detected in the four exposed sorbers. A copy of the Gore laboratory report is included in Appendix C.

The analytical results from the sorber sampling method measure exposure levels over a given length of time as opposed to a given unit of volume. The results do not reflect compound concentrations in the ambient air. The laboratory analytical procedure for sample extraction and analysis using the sorber sampling method is not a Washington-state approved method and should be used for assessment purposes only.

6.0 MONITORING WELL INSTALLATION

6.1 Methods

On July 31, 1995, one soil boring designated MW-8 was drilled off site (Figure 2). The boring was drilled by Cascade Drilling Inc. of Woodinville, Washington using truck-mounted, 10-inch outside diameter, hollow-stem auger drilling equipment. The boring was sampled using a 12-inch long, 2-inch inside diameter, split-spoon sampler, driven with a 140-pound hammer. Soil samples were collected at five-foot intervals from approximately five feet bg to the depth of exploration, except where poor recovery prohibited sample collection. Soil samples were screened for volatile hydrocarbons in the field using a photo-ionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. A GTI geologist supervised the drilling and maintained a log of the materials encountered in accordance with the Unified Soil Classification System (Appendix D, Drill Logs). The drilling and soil sampling activities were conducted in accordance with the Standard Operating Procedures presented in Appendix A. The drill cuttings were disposed of on WDOT property upon receipt of the laboratory analytical results.

Monitoring well MW-8 was drilled within the City of Seattle right-of-way for 31st Avenue South. The location for MW-8 was selected to assess the lateral extent of the dissolved hydrocarbon plume southwest of the site. The soil, a glacial till, consisted of fine to medium-grain sand with varying amounts of silt, clay and gravel from surface to approximately 32 feet bg, overlying a gray silty-sand with a trace of clay and gravel which extended to the exploration depth of 45 feet bg. Groundwater was encountered during drilling at approximately 25 feet bg in fine to medium-grain silty-sand. Soil samples collected 35 feet bg and deeper appeared to be dry. Following soil sample collection, the boring was backfilled with bentonite to 40 feet bg and a groundwater monitoring well was installed.

One soil sample (MW-8-25), collected at the observed water table (25 feet bg), was submitted for laboratory analysis.

Monitoring well MW-8 was constructed of 4-inch diameter machine slotted (0.020-inch) Schedule 40 PVC well screen, and blank PVC pipe (Appendix D). The well was completed with a traffic-rated street box and locking cap. The monitoring well was developed by surging and bailing approximately five well-casing volumes of water. The development water was treated on-site by passing it through two 55-gallon canisters of granular activated carbon, and discharging it to the ground. Monitoring well MW-8 was surveyed to the existing arbitrary site datum by GTI personnel.

6.2 Results

The soil sample collected from approximately 25 feet bg (MW-8-25) during drilling was submitted under chain-of-custody to Columbia Analytical Services Inc. in Bothell, Washington for analysis. Sample MW-88-25 was analyzed for BTEX by EPA Method 8020 and TPH-g by Washington Method WTPH-G. No concentrations were detected above the laboratory MRLs. Table 3 summarizes the laboratory analytical results. The complete laboratory analytical report is included in Appendix E.

7.0 GROUNDWATER MONITORING AND SAMPLING

7.1 Methods

Groundwater levels were measured in monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and MW-8, and vapor extraction wells VEW-1 and VEW-2 on August 4, 1995 to evaluate the groundwater flow direction and gradient. The depth to water ranged from 16.46 feet (VEW-2) to 32.13 feet (MW-5). The depth to water in well MW-8 was 25.73 feet. Table 4 summarizes the groundwater monitoring data. The approximate groundwater flow direction across the site was westerly to northwesterly with a gradient of approximately 20 feet per 100 feet. Figure 5 shows the relative groundwater elevations in the gauged wells and graphical representation of the water table.

On August 4, 1995, wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-8, VEW-1, and VEW-2 were purged until temperature, pH, and conductivity remained constant (within 10 percent) in three successive volumes of purge water (approximately three well volumes). Purge water was treated by passing it through two canisters of granular activated carbon connected in series, and discharged to the ground. A groundwater sample was collected from each of the purged wells and sent under chain-of-custody to Columbia Analytical Services Inc. The samples were analyzed for BTEX by EPA Method 8020 and TPH-g by Washington Method WTPH-G. Water samples were collected in accordance with the Standard Operating Procedures in Appendix A.

7.2 Results

Seven of the eight submitted groundwater samples (except sample MW-4) contained BTEX and/or TPH-g concentrations that exceed the CCL(a)s. Detected benzene concentrations ranged from 13.2 µg/L in MW-5 to 1,300 µg/L in MW-3. Monitoring well MW-8 contained 579 µg/L of benzene. Water samples collected from MW-2, MW-3, MW-8, VEW-1, and VEW-2 contained TPH-g concentrations exceeding the CCL(a). The highest TPH-g concentration was 53,000 µg/L detected in the sample from well VEW-1. Monitoring well MW-8 contained 8,820 µg/L of TPH-g. The laboratory analytical results from this and the previous sampling events are summarized in Table 5. The complete laboratory analytical report is included in Appendix F.

8.0 SUMMARY

Additional environmental site assessment was conducted at the former Texaco facility located at 1366 31st Avenue South in Seattle, Washington in July and August, 1995. The scope of work included shallow soil sampling in the southwest quarter of the property, ambient air sampling in the building crawl space, installing one monitoring well, and groundwater monitoring and sampling.

The former station site overlies the Mt. Baker Tunnel, part of the Interstate 90 Corridor Project. As part of the Mt. Baker Tunnel Construction Project, the WDOT purchased the subject site and the properties to the north and west. An abandoned apartment building overlies most of the areas formerly occupied by the USTs and dispenser islands. A site investigation, prompted by indications of hydrocarbon-impacted soil, was conducted by the WDOT in 1993. The investigation included soil sampling, groundwater sampling, and an historical review. Based on WDOT's investigations, TES undertook further site characterization, including soil and groundwater sampling, and aquifer testing.

On July 7, 10, and 13, 1995, 21 hand borings were advanced to 18 inches bg along a grid pattern across the southwest quarter of the property. Soil samples were collected at 4 and 18 inches in each boring and analyzed for BTEX and TPH-g. Nineteen samples were further analyzed for TPH-d and TPH-o. Only one sample (SS-7-4), collected at four inches bg in boring #7, contained a concentration exceeding the CCL(a)s, with 324 mg/Kg of TPH-o.

The ambient air in the building's crawl space was assessed using two methods in July, 1995. Two grab samples were collected in the southwest corner of the building, in the vicinity of the former USTs and dispenser islands. The samples were analyzed for BTEX and TPH-g. There were no detected concentrations exceeding the laboratory MRLs. In addition to the grab samples, four Gore-Sorbers™ were hung from the crawl space ceiling and left to adsorb volatile organic compounds in the air for seven days. The sorbers were analyzed for BTEX compounds. BTEX compounds were detected in all four sorbers, however the trip blank that accompanied the sorbers also contained

detectable concentrations of BTEX. The benzene and toluene concentrations in the trip blank exceeded the concentrations in all four exposed sorbers. The highest detected BTEX concentration was total xylenes at 0.41 µg.

On July 31, 1995, monitoring well MW-8 was installed in 31st Avenue South, southwest of the site. Groundwater was encountered during drilling at approximately 25 feet bg. Static groundwater was measured in the well on August 4, 1995 at 25.73 feet bg. The soil sample collected at 25 feet bg was submitted for BTEX and TPH-g analysis. No concentrations above the laboratory MRLs were detected. A groundwater sample was collected from the well on August 4, 1995 and analyzed for BTEX and TPH-g. The following concentrations were detected: benzene - 579 µg/L, toluene - 184 µg/L, ethylbenzene - 272 µg/L, total xylenes - 808 µg/L, and TPH-g - 8,820 µg/L, which exceed the CCL(a)s.

Monitoring and vapor extraction wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-8, VEW-1, and VEW-2 were monitored and sampled on August 4, 1995. The depth to water ranged from 16.46 feet (VEW-2) to 32.13 feet (MW-5). The groundwater flow gradient was westerly to northwesterly at approximately 20 feet per 100 feet. Groundwater samples were collected from each well and analyzed for BTEX and TPH-g. The dissolved benzene concentrations exceeded the CCL(a) in seven of the eight samples tested. The benzene concentration in MW-4 was below the CCL(a). The detected concentrations ranged from 13.2 µg/L in MW-5 to 1,300 µg/L in MW-3. TPH-g concentrations exceeded the CCL(a) in MW-2, MW-3, MW-8, VEW-1, and VEW-2. The highest concentration was detected in sample VEW-1 at 53,000 µg/L.

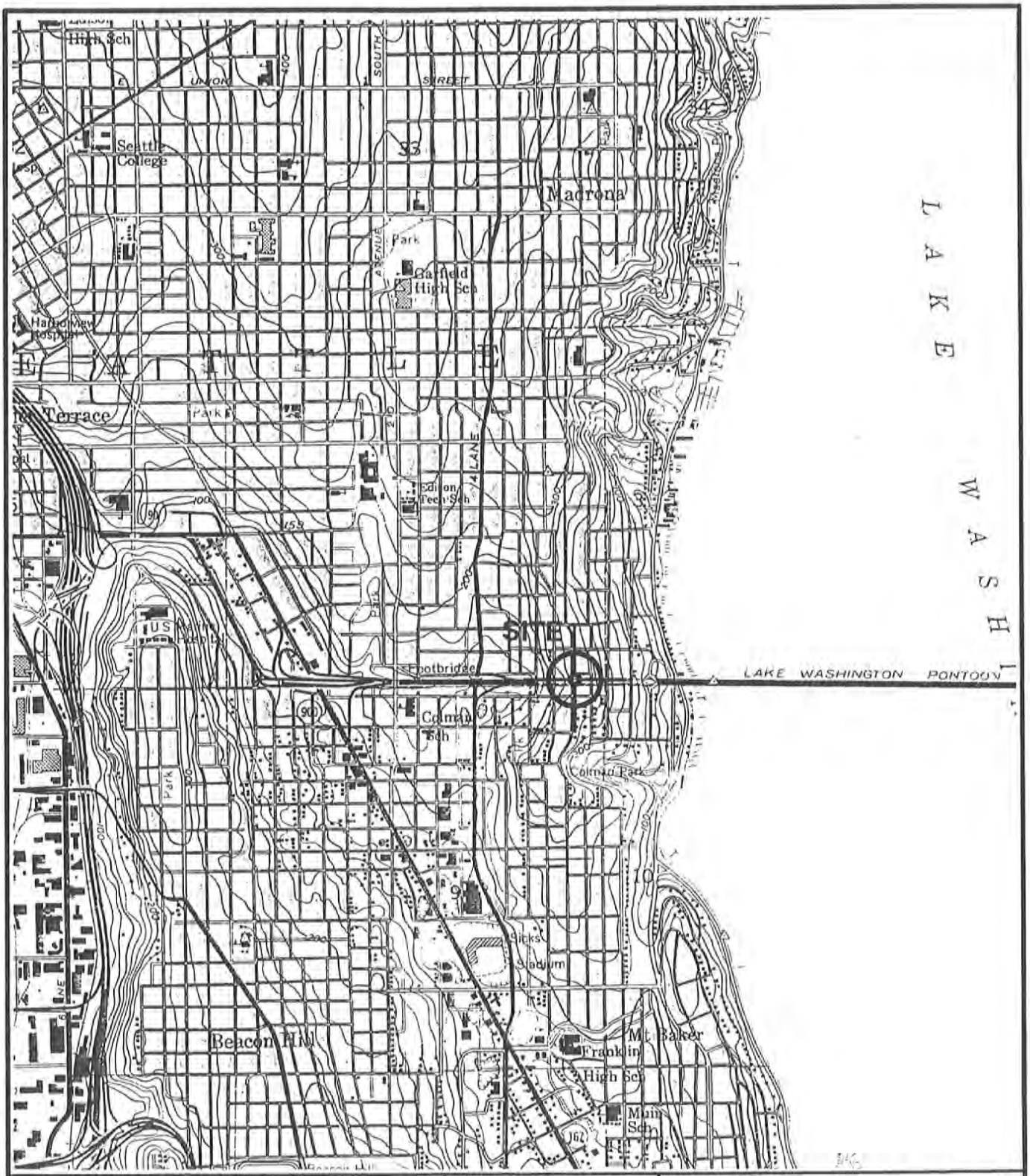
9.0 CONCLUSIONS

The following presents conclusions based on historical information and the data obtained during this site investigation:

- Concentrations of TPH-oil exceeding the CCL(a) were detected in the shallow soils at the southwest corner of the building.
- Based on the two grab air samples and the Gore-Sorbers™ exposed for seven days, the ambient air in the crawl space of the apartment building does not contain significant concentrations of gasoline-range hydrocarbon vapor (if any).
- The lateral extent of dissolved hydrocarbons in the upper-most water bearing zone has not been defined on the south, southwest, and northwest sides of the property.
- The water level under the site has lowered approximately six to ten feet since the last sampling event in March 1995.

- BTEX and TPH-g concentrations increased in groundwater except for benzene in MW-2 and BTEX/TPH-g in MW-5.

FIGURES



GROUNDWATER TECHNOLOGY

19033 W VALLEY HWY, D-104
KENT, WA
(206) 251-5441

N

SCALE: 0 FEET 2000

SITE LOCATION MAP

CLIENT: TEXACO REFINING & MARKETING INC.
SITE NO. 63-802-1030

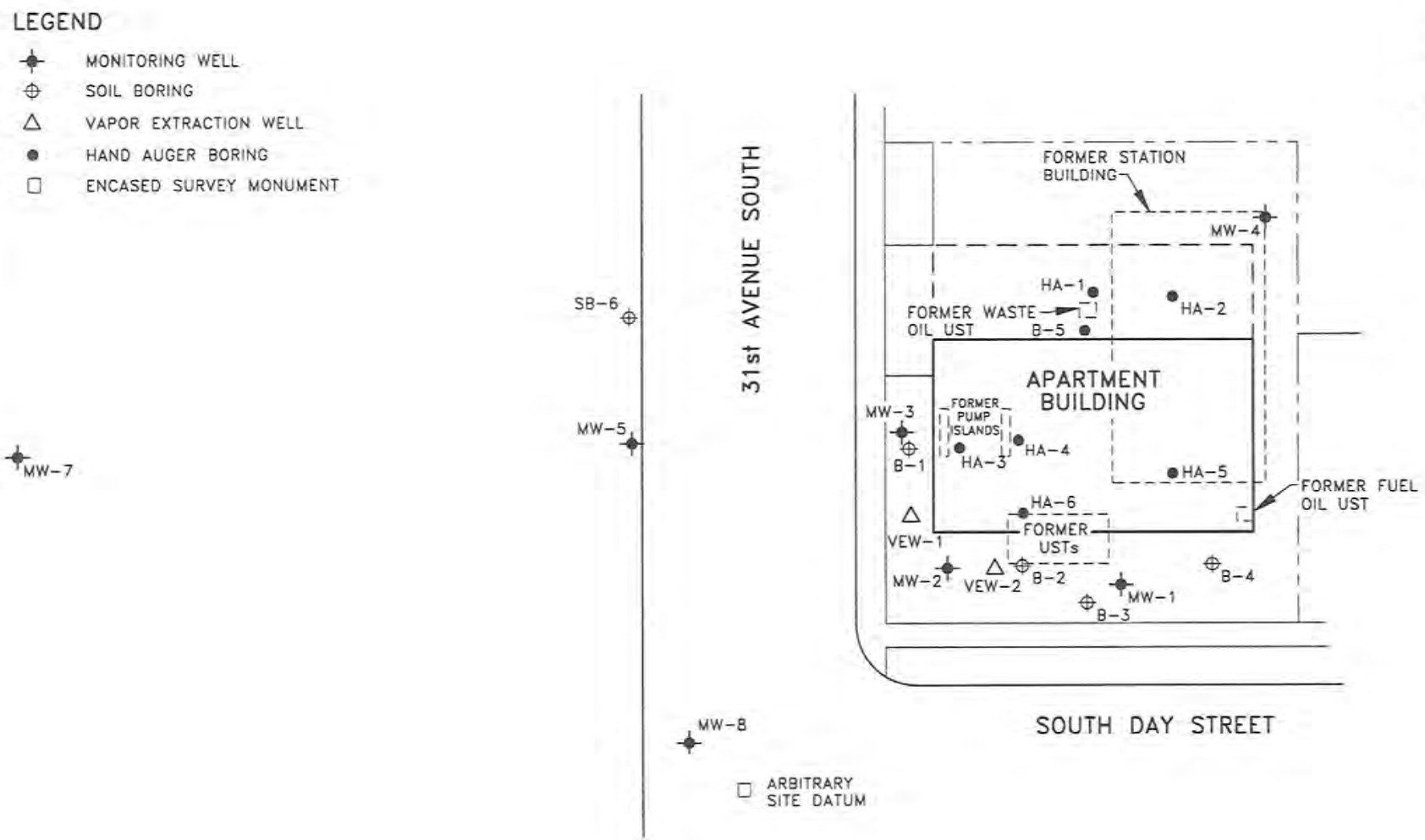
DATE: 04/21/95

LOCATION: 1366 31st AVENUE SOUTH
SEATTLE, WASHINGTON

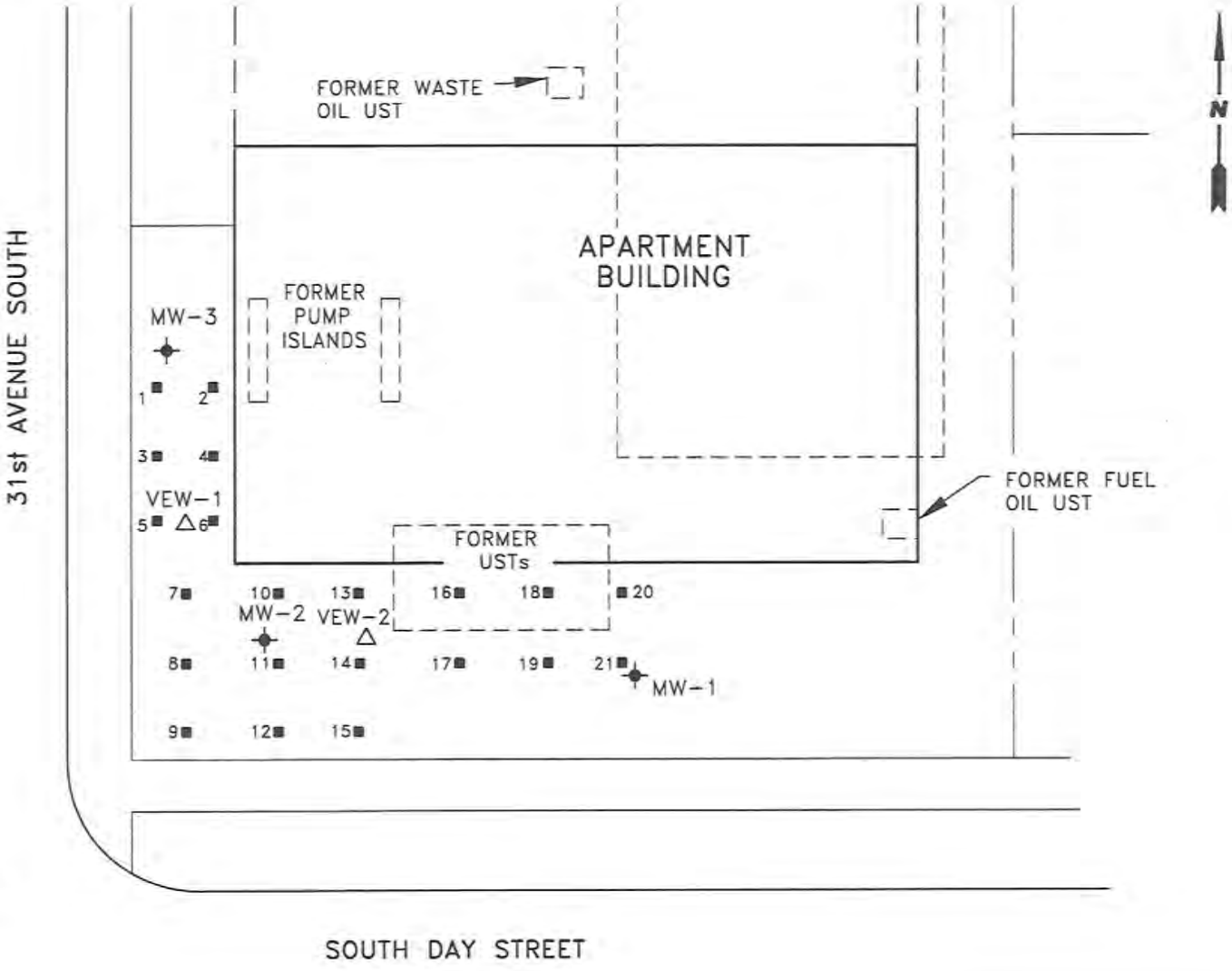
FIGURE: 1

LEGEND

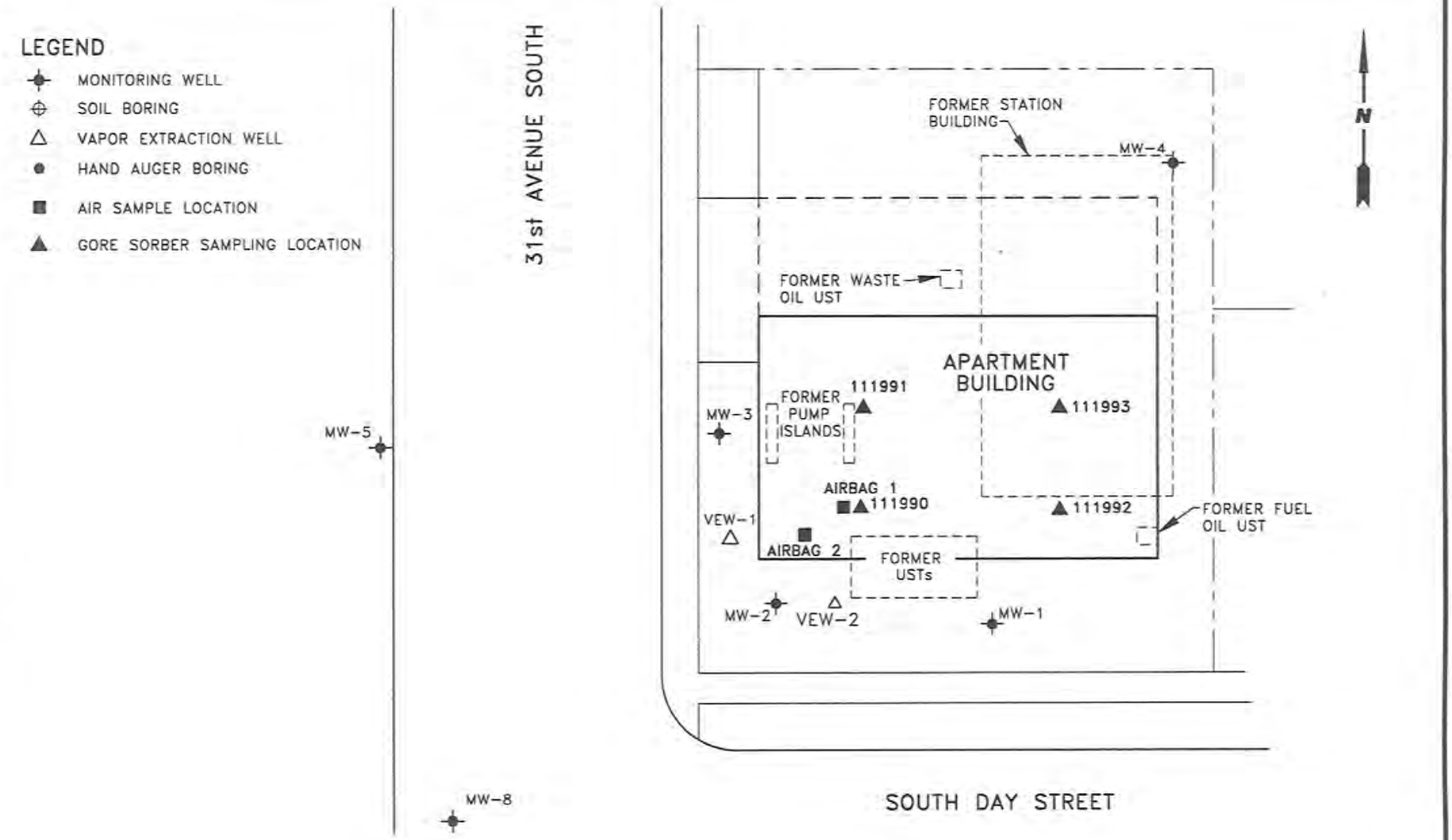
- MONITORING WELL
- SOIL BORING
- VAPOR EXTRACTION WELL
- HAND AUGER BORING
- ENCASED SURVEY MONUMENT



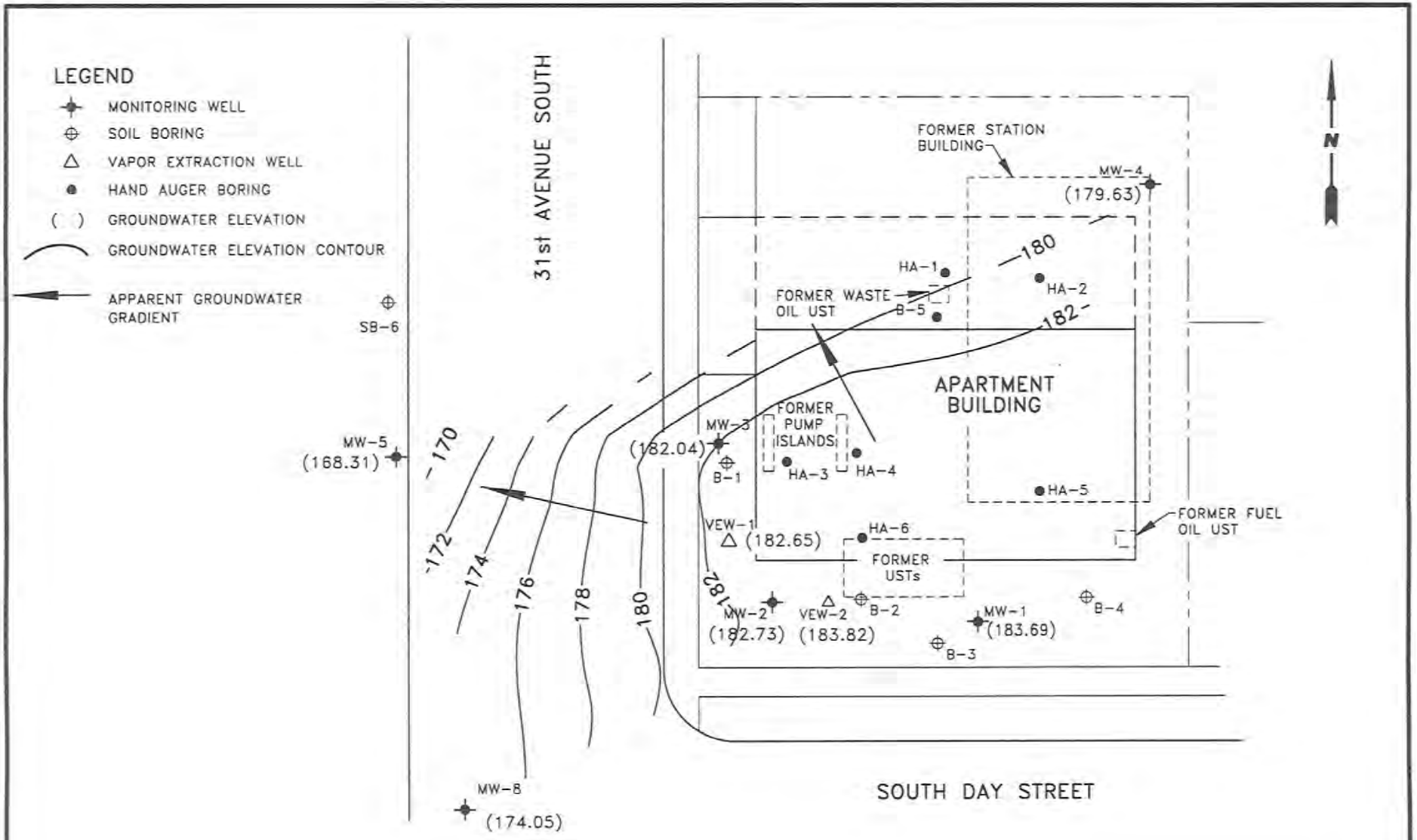
GROUNDWATER TECHNOLOGY	0 FEET 40 SCALE	CLIENT: TEXACO REFINING AND MARKETING INC. SITE NO. 63-802-1030	SITE PLAN
FILE: SP895	PROJECT NO.: 020600104	LOCATION: 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 2
REV: 1		DES: MS / DET: ML / DATE: 9/11/95	



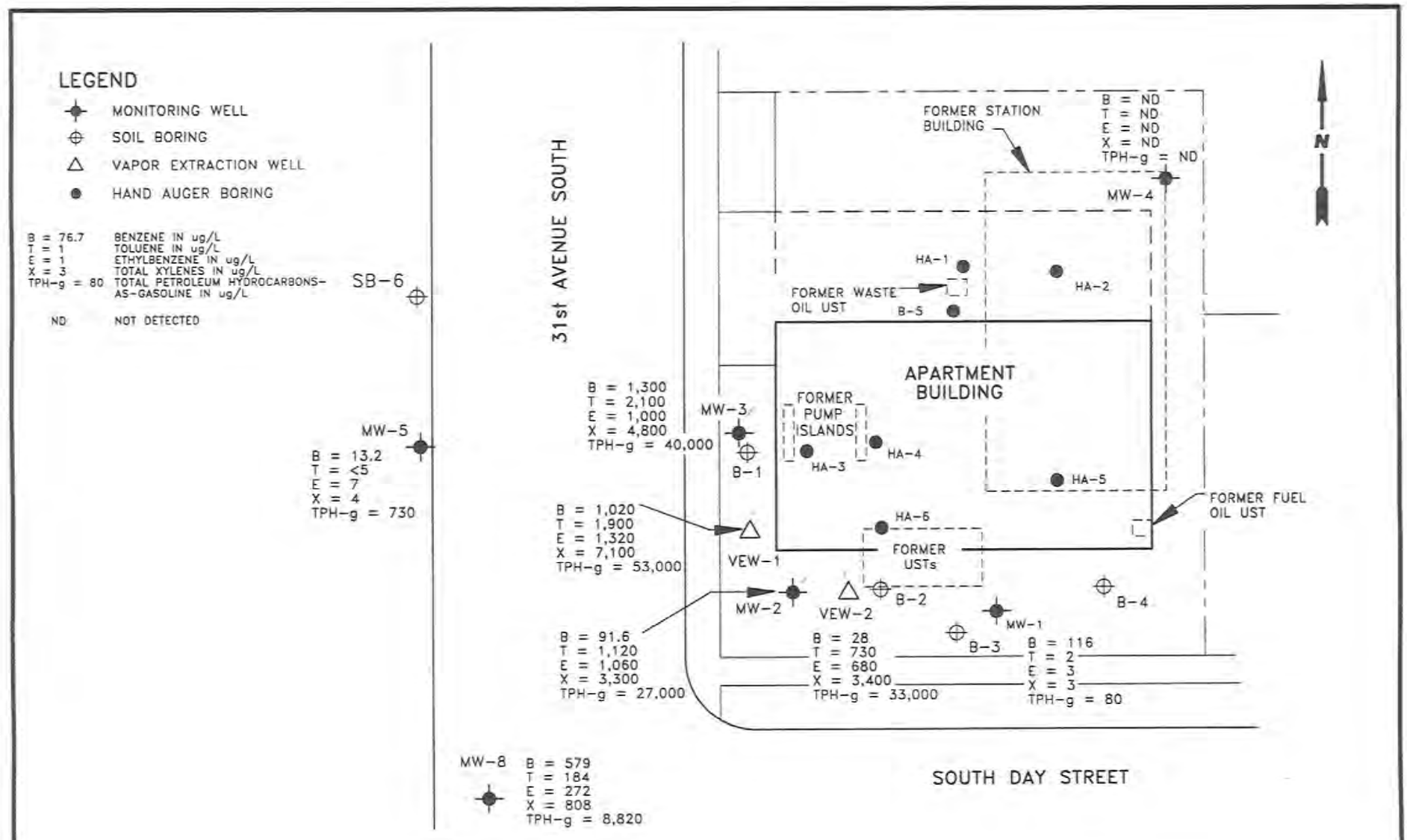
GROUNDWATER TECHNOLOGY	0 FEET 20 SCALE	CLIENT: TEXACO REFINING AND MARKETING INC. SITE NO. 63-802-1030	SOIL SAMPLE LOCATION MAP
FILE: SSLOCMAP	PROJECT NO.: 020600104	LOCATION: 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 3
REV: 2	DES: MS / DET: CY / DATE: 9/08/95		



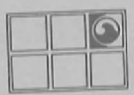
GROUNDWATER TECHNOLOGY	0 FEET 30 SCALE	CLIENT: TEXACO REFINING AND MARKETING INC. SITE NO. 63-802-1030	AIR SAMPLE LOCATION MAP (7/5/95 AND 7/13/95)
FILE: AIR-795	PROJECT NO.: 020600169	LOCATION: 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 4
REV: 2	DES: MS / DET: CY / DATE: 9/11/95		



GROUNDWATER TECHNOLOGY	0 FEET 30 SCALE	CLIENT: TEXACO REFINING AND MARKETING INC. SITE NO. 63-802-1030	GROUNDWATER ELEVATIONS AND CONTOURS (8/4/95)
		LOCATION: 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON	
FILE: GEC-895	PROJECT NO.: 020600169	PM:	RG/PE:
REV: 2	DES: MS / DET: CY / DATE: 9/08/95		FIGURE: 5



GROUNDWATER TECHNOLOGY	0 FEET 30 SCALE	CLIENT: TEXACO REFINING AND MARKETING INC. SITE NO. 63-802-1030	BTEX/TPH-g CONCENTRATIONS IN GROUNDWATER (8/4/95)
FILE: BTEX-895	PROJECT NO.: 020600169	LOCATION: 1366 31st AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 6
REV: 2	DES: MS / DET: CY / DATE: 9/11/95		


GROUNDWATER
TECHNOLOGY

TABLES

TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS - SHALLOW SOIL SAMPLING
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON
(Results in milligrams per kilogram)

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	TPH-o
Analytical Method		EPA Method 8020				WDOE WTPH-G	WDOE WTPH-D	WDOE WTPH-D extended
Method Reporting Limit		0.05	0.05	0.05	0.05	10.0	25.0	100.0
SS 1-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 1-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 2-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS-2-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 3-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 3-4	07/07/95	ND	ND	ND	ND	ND	ND	ND
SS 4-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 4-4	07/07/95	ND	ND	ND	ND	ND	ND	ND
SS 5-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 5-4	07/07/95	ND	ND	ND	ND	ND	ND	82
SS 6-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 6-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 7-1.5	07/07/95	ND	ND	ND	ND	ND	ND	ND
SS 7-4	07/10/95	ND	ND	ND	ND	ND	ND	**324**
SS 8-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 8-4	07/10/95	ND	ND	ND	ND	ND	ND	48
SS 9-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 9-4	07/07/95	ND	ND	ND	ND	ND	ND	ND
SS 10-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 10-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 11-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 11-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 12-1.5	07/07/95	ND	ND	ND	ND	ND	--	--
SS 12-4	07/07/95	ND	ND	ND	ND	ND	--	--
SS 13-1.5	07/10/95	ND	ND	ND	ND	ND	--	--

TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS - SHALLOW SOIL SAMPLING
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON
(Results in milligrams per kilogram)

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	TPH-o
Analytical Method		EPA Method 8020				WDOE WTPH-G	WDOE WTPH-D	WDOE WTPH-D extended
Method Reporting Limit		0.05	0.05	0.05	0.05	10.0	25.0	100.0
SS 13-4	07/10/95	ND	ND	ND	ND	ND	--	--
SS 14-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 14-4	07/10/95	ND	ND	ND	ND	ND	--	--
SS 15-1.5	07/10/95	ND	ND	ND	ND	ND	--	--
SS 15-4	07/10/95	ND	ND	ND	ND	ND	--	--
SS 16-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 16-4	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 17-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 17-4	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 18-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 18-4	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 19-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 19-4	07/13/95	ND	ND	ND	ND	ND	70	ND
SS 20-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 20-4	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 21-1.5	07/13/95	ND	ND	ND	ND	ND	ND	ND
SS 21-4	07/13/95	ND	ND	ND	ND	ND	ND	ND
Compliance Cleanup Level		0.5	40	20	20	100	200	200

ND = Not detected at the Method Reporting Limit.
Compliance Cleanup Levels are found in the Model Toxics Control Act, Method A for soil (WAC 173-340).
Bold values exceed the Method A Compliance Cleanup Level for soil.
Samples were collected at either 4 inches (-4) or 18 inches (-1.5) below grade.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS - AMBIENT AIR SAMPLING
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON
(Reported in micrograms per liter [μg/L] or micrograms per sorber [μg])

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g
Analytical Method		EPA Method 8020				WDOE Method WTPH-G
AIRBAG 1	07/05/95	<0.5	<0.5	<0.5	<0.5	<50
AIRBAG 2	07/05/95	<0.5	<0.5	<0.5	<0.5	<50
111990	07/13/95	0.01	0.14	0.06	0.35	--
111991	07/13/95	0.02	0.21	0.07	0.41	--
111992	07/13/95	0.02	0.18	0.05	0.33	--
111993	07/13/95	0.02	0.26	0.07	0.38	--
Trip blank 1 111989	07/13/95	0.04	0.41	0.02	0.1	--

-- = Not analyzed
Note: AIRBAG 1 and AIRBAG 2 are reported in μg/L. All other sample concentrations are reported in μg.

The trip blank for samples 111990 through 111993 contained 0.04 μg benzene, 0.41 μg toluene, 0.02 μg ethylbenzene, and 0.10 μg total xylenes.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS - SOIL BORING
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON
(Results in milligrams per kilogram)

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g
Analytical Method		EPA Method 8020				WDOE WTPH-G
Method Reporting Limit		0.05	0.1	0.1	0.1	5.0
MW-8-25	07/31/95	ND	ND	ND	ND	ND
Compliance Cleanup Level		0.5	40	20	20	100

ND = Not detected at the Method Reporting Limit.
Compliance Cleanup Levels are found in the Model Toxics Control Act, Method A for soil (WAC 173-340).

TABLE 4
SUMMARY OF GROUNDWATER MONITORING DATA
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON

Well Number	Date	Top of Casing	Depth to Water	Groundwater Elevation
MW-1	03/07/95	203.26	9.36	193.90
	08/04/95	203.26	19.57	183.69
MW-2	03/07/95	203.67	11.07	192.60
	08/04/95	203.67	20.94	182.73
MW-3	03/07/95	204.16	13.31	190.85
	08/04/95	204.16	22.12	182.04
MW-4	03/07/95	196.09	6.56	189.53
	08/04/95	196.09	16.46	179.63
MW-5	03/07/95	200.44	26.19	174.25
	08/04/95	200.44	32.13	168.31
MW-7	03/07/95	154.78	2.03	152.75
	08/04/95	154.78	--	--
MW-8	08/04/95	199.78	25.73	174.05
VEW-1	03/07/95	200.33	7.70	192.63
	08/04/95	200.33	17.68	182.65
VEW-2	03/07/95	200.35	6.28	194.07
	08/04/95	200.35	16.53	183.82

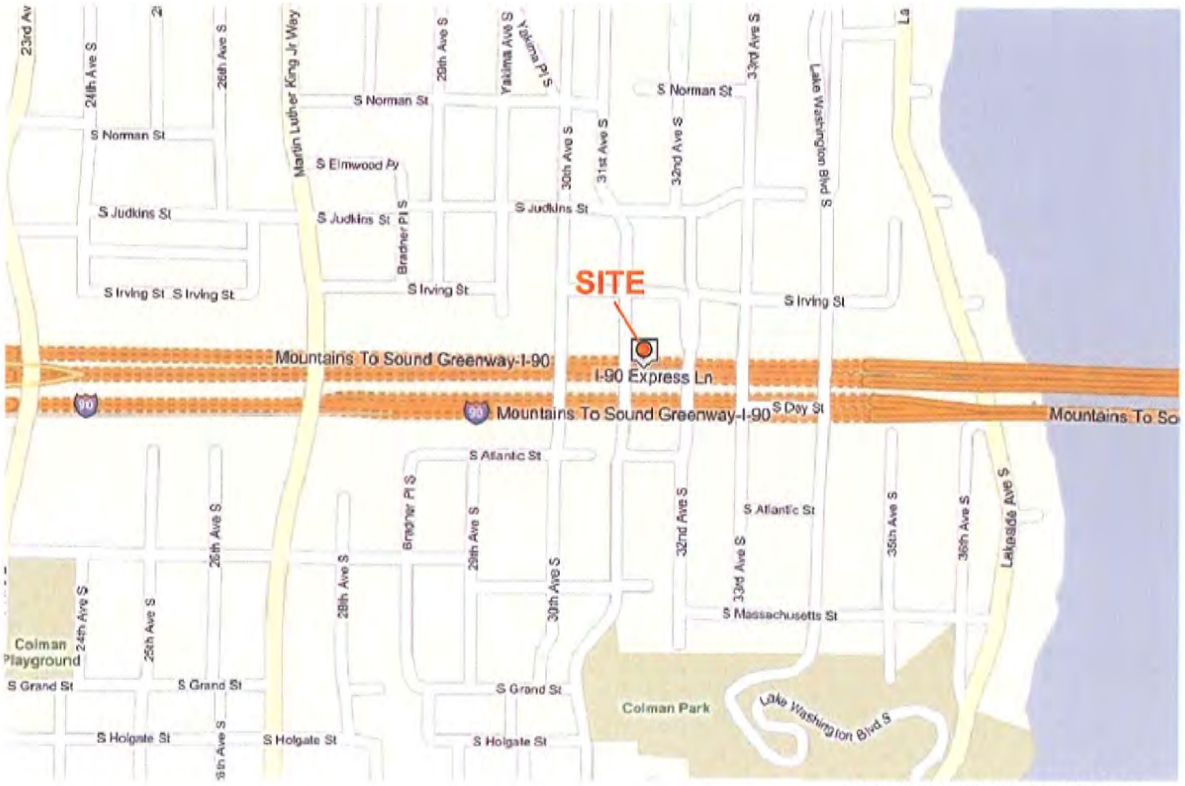
Note: Elevations are given in feet, based on an arbitrary site datum of 200 feet.
Top of casings were surveyed by Cramer Northwest, Inc. 3/7/95.
MW-8 was surveyed on 8/22/95 by GTI.

TABLE 5
SUMMARY OF LABORATORY ANALYTICAL RESULTS - GROUNDWATER SAMPLING
TEXACO REFINING AND MARKETING INC., SITE NO. 63-802-1030
1366 31st AVENUE S, SEATTLE, WASHINGTON
(Reported in micrograms per liter)

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	Total Lead
Analytical Method		EPA Method 8020				WDOE Method WTPH-G	EPA Method 7421
Method Reporting Limit		0.5	1	1	1	50	2
MW-1	03/08/95	**76.7**	1	1	3	80	ND
	08/04/95	**116**	2	3	3	80	--
MW-2	03/08/95	**209**	**615**	**609**	**1,960**	**11,500**	2
	08/04/95	**91.6**	**1,120**	**1,060**	**3,300**	**27,000**(c)	--
MW-3	03/08/95	**1,130**	**2,200**	**830**	**4,750**	**35,000**(c)	3
	08/04/95	**1,300**	**2,100**	**1,000**	**4,800**	**40,000**	--
MW-4	03/08/95	ND	ND	ND	ND	ND	ND
	08/04/95	ND	ND	ND	ND	ND	--
MW-5	03/08/95	**427**	**212**	**291**	**1,020**	**9,000**	3
	08/04/95	**13.2**	<5(b)	7	4	730	--
MW-7	03/08/95	ND	ND	ND	ND	ND	ND
MW-8	08/04/95	**579**	**184**	**272**	**808**	**8,820**	--
VEW-1	03/08/95	**953**	**2,030**	**1,050**	**7,700**(c)	**44,000**(c)	**25**
	08/04/95	**1,020**	**1,900**(c)	**1,320**	**7,100**(c)	**53,000**(c)	--
VEW-2	03/08/95	<10(b)	**858**	**997**	**4,800**(c)	**25,500**	**15**
	08/04/95	**28**	**730**	**680**	**3,400**	**33,000**	--
MW5-PD(a)	02/15/95	**12.2**	6	5	**23**	270	--
MW6-PD(a)	02/15/95	0.9	ND	ND	ND	ND	--
MW7-PD(a)	02/15/95	ND	7	ND	2	ND	--
Compliance Cleanup Level		5	40	30	20	1,000	5

ND = Not detected at or above the Method Reporting Limit.
-- = Not analyzed.
Compliance Cleanup Levels are found in the Model Toxics Control Act, Method A for groundwater (WAC 173-340).
(a) = Samples were collected on February 15 or 16, 1995, prior to well development.
(b) = The Method Reporting Limit is elevated because of matrix interferences.
(c) = Result is from the analysis of a diluted sample. Dilution factor: 10
Bold values exceed the Method A Compliance Cleanup Level for groundwater.

NORTH



Former Texaco Service Station No. 21-1558 1366 31st Avenue South Seattle, Washington	FIGURE 1 Vicinity Map	
	FILE NAME: 211558_VM2010.dwg	DATE: 02/24/2011

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SAIC
From Science to Solutions

April 21, 2011

Ms. Olivia Skance
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3636
San Ramon, California 94583-5186

Subject: **Second Semiannual Groundwater Monitoring Report**
Former Texaco Service Station No. 21-1558
1366 31st Avenue South
Seattle, Washington

Dear Ms. Skance:

SAIC Energy, Environment & Infrastructure, LLC, on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the second semiannual 2010 groundwater monitoring and sampling event at former Texaco Service Station No. 21-1558 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring and sampling field event on August 21, 2010. They collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in six of the seven monitoring wells on the site (MW-8 was inaccessible).

Groundwater samples were collected from six of the seven monitoring wells and submitted to Lancaster Laboratories, Inc. in Pennsylvania for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx;
- TPH as diesel-range organics and TPH as heavy oil-range organics by Ecology Method NWTPH-Dx extended with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes, and methyl tertiary butyl ether by United States Environmental Protection Agency Method 8260B.

Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

SAIC Energy, Environment & Infrastructure, LLC
18912 North Creek Parkway | Suite 101 | Bothell, WA 98011 | tel: (425) 485-5800 | fax: (425) 485-5566 | saic.com/eeandi

FINDINGS

At the time of this monitoring event, groundwater elevations ranged from 246.73 feet in monitoring well MW-16 to 236.36 feet in monitoring well MW-9, based on the NAVD88 datum. Groundwater potentially flows toward the southwest at a gradient of approximately 0.035 to 0.083 feet per foot (Figure 2). Groundwater elevations decreased an average of 11.11 feet since the previous semiannual monitoring event, which was performed on February 23, 2010.

SPH were not detected in any of the monitoring wells gauged during this event.

The following analytes were detected at concentrations exceeding their respective Model Toxics Control Act Method A cleanup levels:

- TPH-GRO in monitoring wells MW-16, MW-17, and MW-18; and
- Ethylbenzene and total xylenes in monitoring well MW-18.

Historical groundwater elevation data, SPH thickness data, and laboratory analytical results are summarized in Table 1. The laboratory analysis report is provided as Attachment B.

DISCUSSION

Groundwater elevations and potential flow direction are consistent with historical data reported at the site. Groundwater elevations fluctuate more than 10 feet seasonally.

Petroleum-hydrocarbon constituent concentrations fluctuate with seasonal changes in groundwater elevation. Lower concentrations are typically observed during high-groundwater periods.

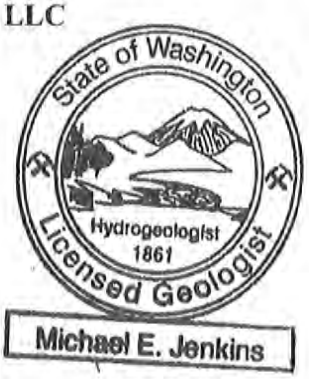
Gettler-Ryan will continue to perform groundwater monitoring and sampling on a semiannual basis. The next groundwater monitoring and sampling event is scheduled for February 2011.

If you have any questions or comments, please contact me at (425) 482-3321 or via email at jenkinsme@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

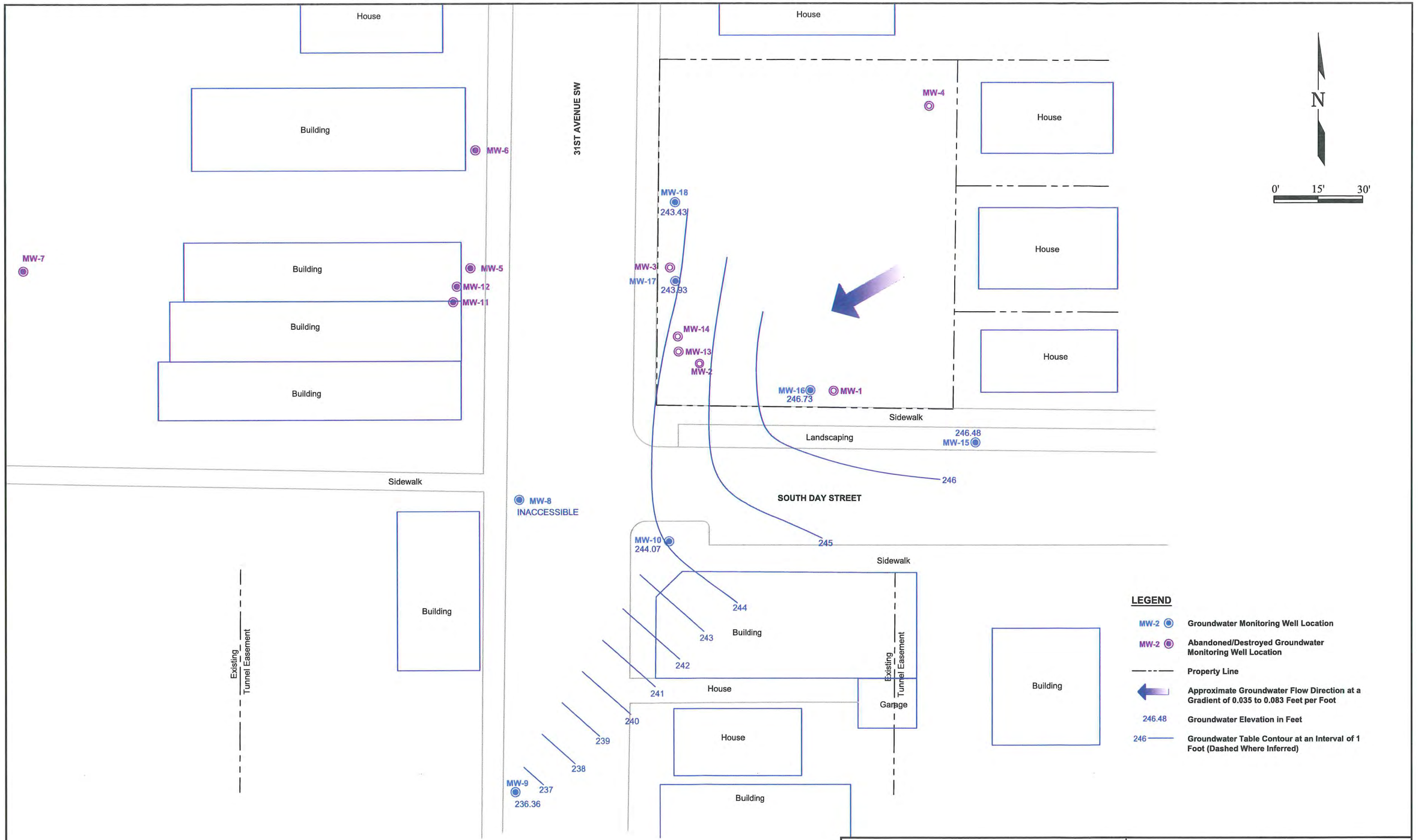
Michael E. Jenkins, LG, LHG
Senior Project Manager



Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Potentiometric Map
Table 1 – Groundwater Monitoring Data and Analytical Results
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Report

cc: Ms. Liu Jing – Ecology, Northwest Regional Office, Toxics Cleanup Program
3190 160th Avenue SE, Bellevue, WA 98008
Ms. Michelle Newlean – Washington State Department of Transportation
310 Maple Park Avenue SE, P.O. Box 47300, Olympia, WA 98504
Mr. Jared Smith
1379 31st Avenue S., Seattle, WA 98144
Project File

PLEASE NOTE: In an effort to adopt practices that reduce negative impacts on the environment, SAIC-Benham is in the process of transitioning to an electronic distribution of all Groundwater Monitoring Reports. Please contact me at (425) 482-3321 or via email at jenkinsme@saic.com if you would be willing to accept an electronic copy of this report in lieu of a hard copy; in the absence of a response we will continue to provide you a hard copy.



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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31ST AVENUE SOUTH
SEATTLE, WASHINGTON

FIGURE 2
Potentiometric Map
August 25, 2010

DATE: 04/21/2011 | DRAWING: 211558SiteMap._Figure2_MLL.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-8											
8/4/95	262.58	25.73	236.85	--	--	8,820	579	184	272	808	--
3/25/96	262.58	20.20	242.38	250	--	1,500	61	16	29	34	--
5/30/96	262.58	22.69	239.89	--	--	1,220	42.3	12.7	20.6	24.9	--
6/13/96	262.58	--	--	--	--	--	--	--	--	--	--
9/26/96	262.58	--	--	--	--	--	--	--	--	--	--
12/18/96	262.58	22.23	240.35	--	--	164	1.1	ND	ND	ND	--
3/26/97	262.58	16.85	245.73	--	--	1,400	49.2	18.4	34	38.9	--
6/30/97	262.58	22.50	240.08	--	--	1,640	49.4	18.1	28.8	36.5	--
9/29/97	262.58	26.00	236.58	--	--	50.1	ND	ND	ND	ND	--
12/29/97	262.58	23.31	239.27	--	--	530	5.07	ND	ND	ND	--
3/13/98	262.58	14.71	247.87	--	--	ND	ND	ND	ND	ND	--
6/24/98	262.58	24.36	238.22	--	--	825	16.7	ND	ND	ND	--
9/11/98	262.58	27.13	235.45	--	--	ND	ND	ND	ND	1.3	--
12/29/98	262.58	21.39	241.19	--	--	101	1.05	ND	ND	ND	--
2/3/99	262.58	18.20	244.38	--	--	909	14.9	2.84	6.32	7.38	--
4/20/99	262.58	20.95	241.63	--	--	1,480	79.3	27.2	67.3	59.8	--
7/15/99	262.58	25.63	236.95	--	--	1,090	31.6	8.45	11.6	17.6	--
11/10/99	262.58	28.24	234.34	--	--	--	--	--	--	--	--
3/8/00	262.58	21.85	240.73	--	--	1,660	20.1	6.92	14.9	14.4	--
5/18/00	262.58	23.91	238.67	--	--	1,190	22.6	6.05	7.93	11.5	--
9/5/00	262.58	27.79	234.79	--	--	527	2.17	<0.97	1.67	<3.28	<5.0
11/2/00	262.58	29.14	233.44	--	--	371	1.72	<0.5	<0.800	<4.24	--
3/1/01	262.58	28.39	234.19	--	--	652	<3.52	<0.97	<4.23	<3.47	--
8/21/01	262.58	28.28	234.30	--	--	153	0.771	<0.5	<0.500	1.73	--
12/5/01	262.58	26.74	235.84	--	--	512	3.24	0.510	<0.500	2.64	--
6/26/02	262.58	24.31	238.27	260[1]	<750[1]	560	12	2.6	2.4	1.9	<2.5
9/29/02	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
1/6/03	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
3/8/03	262.58	24.54	238.04	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
6/9/03	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
9/2/03	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
12/19/03	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
3/29/04	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
6/10/04	262.58	25.50	237.08	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
4/22/05	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
7/8/05	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-8 (cont)											
9/7/05	262.58	27.49	235.09	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
3/15/06	262.58	20.82	241.76	--	--	660	20	3.1	2.7	5.5	<2.5
7/2/06	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
9/28/06	262.58	28.18	234.40	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	262.58	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
2/15/07	262.58	21.08	241.50	--	--	720	18	4.0	3.5	7.9	<20
6/2/07	262.58	23.68	238.90	--	--	260	7.3	<0.5	<0.5	1.6	3.3
9/7/07	262.58	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
11/20/07	262.58	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
2/16/08	262.58	21.93	240.65	--	--	180	2.1	0.5	0.6	<1.5	<2.5
6/2/08	262.58	23.90	238.68	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	262.58	27.23	235.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/2/08	262.58	INACCESSIBLE		--	--	--	--	--	--	--	--
3/19/09	262.58	23.82	238.76	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	262.58	23.61	238.97	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	262.58	26.98	235.60	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/09	262.58	24.04	238.54	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	262.58	INACCESSIBLE		--	--	--	--	--	--	--	--
8/21/10	262.58	INACCESSIBLE		--	--	--	--	--	--	--	--
MW-9											
3/25/96	261.20	21.80	239.40	--	--	ND	ND	ND	ND	ND	--
5/30/96	261.20	23.09	238.11	--	--	ND	ND	0.608	ND	ND	--
6/13/96	261.20	22.38	238.82	--	--	ND	ND	ND	ND	ND	--
9/26/96	261.20	25.70	235.50	--	--	ND	ND	ND	ND	ND	--
12/18/96	261.20	--	--	--	--	--	--	--	--	--	--
3/26/97	261.20	19.20	242.00	--	--	ND	ND	ND	ND	ND	--
6/30/97	261.20	--	--	--	--	--	--	--	--	--	--
9/29/97	261.20	--	--	--	--	--	--	--	--	--	--
12/29/97	261.20	--	--	--	--	--	--	--	--	--	--
3/13/98	261.20	--	--	--	--	--	--	--	--	--	--
6/24/98	261.20	--	--	--	--	--	--	--	--	--	--
9/11/98	261.20	--	--	--	--	--	--	--	--	--	--
12/29/98	261.20	--	--	--	--	--	--	--	--	--	--
2/3/99	261.20	19.38	241.82	--	--	--	--	--	--	--	--
4/20/99	261.20	21.46	239.74	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	261.20	24.42	236.78	--	--	<50	<0.5	<0.5	<0.5	<1.0	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-9 (cont)											
11/10/99	261.20	--	--	--	--	--	--	--	--	--	--
3/8/00	261.20	23.37	237.83	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
5/18/00	261.20	24.05	237.15	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
9/5/00	261.20	26.59	234.61	--	--	<50	<0.5	<0.5	<0.5	<1.0	<5.0
11/2/00	261.20	27.68	233.52	--	--	433	<1.20	7.66	14.5	92.3	--
3/1/01	261.20	25.82	235.38	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
8/21/01	261.20	27.36	233.84	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
12/5/01	261.20	25.81	235.39	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
6/26/02	261.20	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
9/29/02	261.20	27.71	233.49	--	--	--	--	--	--	--	--
1/6/03	261.20	28.83	232.37	--	--	--	--	--	--	--	--
3/8/03	261.20	20.57	240.63	--	--	--	--	--	--	--	--
6/9/03	261.20	21.68	239.52	--	--	--	--	--	--	--	--
9/2/03	261.20	27.43	233.77	--	--	--	--	--	--	--	--
12/19/03	261.20	24.59	236.61	--	--	--	--	--	--	--	--
3/29/04	261.20	20.94	240.26	--	--	--	--	--	--	--	--
6/10/04	261.20	23.02	238.18	--	--	--	--	--	--	--	--
9/17/04	261.20	27.91	233.29	--	--	--	--	--	--	--	--
4/22/05	261.20	21.02	240.18	--	--	--	--	--	--	--	--
7/8/05	261.20	23.00	238.20	--	--	--	--	--	--	--	--
9/7/05	261.20	26.45	234.75	--	--	--	--	--	--	--	--
1/4/06[4]	261.20	19.31	241.89	--	--	--	--	--	--	--	--
3/15/06	261.20	19.77	241.43	--	--	--	--	--	--	--	--
7/2/06	261.20	21.29	239.91	--	--	--	--	--	--	--	--
9/28/06	261.20	27.16	234.04	--	--	--	--	--	--	--	--
11/21/06	261.20	27.21	233.99	--	--	--	--	--	--	--	--
2/15/07	261.20	15.97	245.23	--	--	--	--	--	--	--	--
6/2/07	261.20	20.49	240.71	--	--	--	--	--	--	--	--
9/7/07	261.20	27.93	233.27	--	--	--	--	--	--	--	--
11/20/07	261.20	27.84	233.36	--	--	--	--	--	--	--	--
2/16/08	261.20	20.24	240.96	--	--	--	--	--	--	--	--
6/2/08	261.20	24.41	236.79	--	--	--	--	--	--	--	--
9/12/08	261.20	26.57	234.63	--	--	--	--	--	--	--	--
12/2/08	261.20	26.90	234.30	--	--	--	--	--	--	--	--
3/19/09	261.20	24.15	237.05	--	--	--	--	--	--	--	--
6/30/09	261.20	24.12	237.08	--	--	--	--	--	--	--	--
9/12/09	261.20	27.39	233.81	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-9 (cont)											
12/1/09	261.20	23.73	237.47	--	--	--	--	--	--	--	--
2/23/10	261.20	INACCESSIBLE		--	--	--	--	--	--	--	--
8/21/10	261.20	24.84	236.36	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-10											
5/30/96	262.57	15.58	246.99	--	--	152	ND	ND	ND	ND	--
3/26/97	262.57	11.10	251.47	--	--	232	0.8	ND	ND	ND	--
6/30/97	262.57	14.45	248.12	--	--	--	--	--	--	--	--
9/29/97	262.57	19.35	243.22	--	--	ND	ND	ND	ND	ND	--
12/29/97	262.57	15.32	247.25	--	--	--	--	--	--	--	--
3/13/98	262.57	6.72	255.85	--	--	ND	ND	ND	ND	ND	--
6/24/98	262.57	17.33	245.24	--	--	--	--	--	--	--	--
9/11/98	262.57	21.32	241.25	--	--	306	ND	ND	ND	ND	--
12/29/98	262.57	13.40	249.17	--	--	--	--	--	--	--	--
2/3/99	262.57	10.20	252.37	--	--	401	1.72	0.535	<0.5	2.76	--
4/20/99	262.57	12.73	249.84	--	--	216	<1.20	<0.5	<0.5	<1.80	--
7/15/99	262.57	17.92	244.65	--	--	214	<1.10	<0.5	<0.5	<2.00	--
11/10/99	262.57	23.09	239.48	--	--	--	--	--	--	--	--
3/8/00	262.57	13.85	248.72	--	--	524	<0.5	2.0	<0.800	<1.40	--
5/18/00	262.57	17.06	245.51	--	--	241	<0.5	<0.5	<0.5	<1.0	--
9/5/00	262.57	21.98	240.59	--	--	441	<3.34	<1.39	<2.36	9.2	<5.0
11/2/00	262.57	23.91	238.66	--	--	230	<0.592	3.04	5.03	34.2	--
3/1/01	262.57	19.97	242.60	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
8/21/01	262.57	22.28	240.29	--	--	300	0.749	<0.500	<0.500	2.16	--
12/5/01	262.57	18.40	244.17	--	--	109	<0.500	<0.500	<0.500	1.09	--
6/26/02	262.57	17.45	245.12	<250[1]	<750[1]	220	<0.50	<1.0	0.95	<1.5	<2.5
9/29/02	262.57	22.94	239.63	--	--	420	1.6	0.65	0.72	1.9	<2.5
1/6/03	262.57	24.04	238.53	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
3/8/03	262.57	16.68	245.89	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
6/9/03	262.57	17.79	244.78	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/2/03	262.57	22.68	239.89	--	--	310	1.7	<0.5	0.5	<1.5	<2.5
12/19/03	262.57	19.80	242.77	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/29/04	262.57	16.22	246.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/10/04	262.57	18.20	244.37	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	262.57	23.09	239.48	--	--	240	0.6	<0.5	<0.5	<3.0	<2.5
4/22/05	262.57	17.04	245.53	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
7/8/05	262.57	18.21	244.36	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-10 (cont)											
9/7/05	262.57	21.64	240.93	--	--	190	0.9	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	262.57	15.32	247.25	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
3/15/06	262.57	15.72	246.85	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
7/2/06	262.57	17.34	245.23	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
9/28/06	262.57	23.18	239.39	--	--	180	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	262.57	22.45	240.12	--	--	140	<0.5	<0.5	<0.5	<1.5	<2.5
2/15/07	262.57	15.22	247.35	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/07	262.57	16.67	245.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/07	262.57	22.15	240.42	--	--	420	1.4	<5.0	1.6	<5.0	<2.5
11/20/07	262.57	23.96	238.61	--	--	120	<0.5	<0.5	<0.5	<1.5	<2.5
2/16/08	262.57	16.40	246.17	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/08	262.57	16.96	245.61	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	262.57	22.27	240.30	--	--	650	<2.0[8]	1.2	1.8	<5.0[8]	<2.5
12/2/08	262.57	22.41	240.16	--	--	260	<0.5	<0.5	0.5	<1.5	<2.5
3/19/09	262.57	17.10	245.47	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	262.57	17.24	245.33	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	262.57	22.03	240.54	--	--	480	1.6	0.5	0.7	1.8	<2.5
12/1/09	262.57	16.94	245.63	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	262.57	11.65	250.92	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	262.57	18.50	244.07	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-15											
5/30/96	260.65	9.32	251.33	--	--	ND	ND	ND	ND	ND	--
3/26/97	260.65	3.80	256.85	ND	ND	ND	ND	ND	ND	ND	--
6/30/97	260.65	9.12	251.53	--	--	--	--	--	--	--	--
9/29/97	260.65	15.55	245.10	--	--	ND	ND	ND	ND	ND	--
12/29/97	260.65	6.28	254.37	--	--	--	--	--	--	--	--
3/13/98	260.65	2.50	258.15	--	--	ND	ND	ND	ND	ND	--
6/24/98	260.65	12.79	247.86	--	--	--	--	--	--	--	--
9/11/98	260.65	15.71	244.94	--	--	ND	ND	ND	ND	ND	--
12/29/98	260.65	4.36	256.29	--	--	--	--	--	--	--	--
2/3/99	260.65	1.84	258.81	--	--	--	--	--	--	--	--
4/20/99	260.65	3.66	256.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
7/15/99	260.65	12.54	248.11	--	--	--	--	--	--	--	--
11/10/99	260.65	18.19	242.46	--	--	--	--	--	--	--	--
3/8/00	260.65	5.19	255.46	--	--	--	--	--	--	--	--

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1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-15 (cont)											
5/18/00	260.65	10.72	249.93	--	--	<80	<0.5	<0.5	<0.5	<0.5	--
9/5/00	260.65	16.59	244.06	--	--	--	--	--	--	--	--
11/2/00	260.65	18.65	242.00	--	--	62.3	<0.500	1.07	1.58	9.78	--
3/1/01	260.65	10.40	250.25	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
8/21/01	260.65	16.29	244.36	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
12/5/01	260.65	2.03	258.62	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
6/26/02	260.65	11.85	248.80	--	--	--	--	--	--	--	--
9/29/02	260.65	17.18	243.47	--	--	--	--	--	--	--	--
1/6/03	260.65	15.34	245.31	--	--	--	--	--	--	--	--
3/8/03	260.65	10.53	250.12	--	--	--	--	--	--	--	--
6/9/03	260.65	10.71	249.94	--	--	--	--	--	--	--	--
9/2/03	260.65	16.78	243.87	--	--	--	--	--	--	--	--
12/19/03	260.65	10.03	250.62	--	--	--	--	--	--	--	--
3/29/04	260.65	6.04	254.61	--	--	--	--	--	--	--	--
6/10/04	260.65	14.42	246.23	--	--	--	--	--	--	--	--
9/17/04	260.65	17.42	243.23	--	--	--	--	--	--	--	--
4/22/05	260.65	37.71	222.94	--	--	--	--	--	--	--	--
7/8/05	260.65	12.38	248.27	--	--	--	--	--	--	--	--
9/7/05	260.65	15.75	244.90	--	--	--	--	--	--	--	--
1/4/06[4]	260.65	5.16	255.49	--	--	--	--	--	--	--	--
3/15/06	260.65	5.09	255.56	--	--	--	--	--	--	--	--
7/2/06	260.65	12.83	247.82	--	--	--	--	--	--	--	--
9/28/06	260.65	18.11	242.54	--	--	--	--	--	--	--	--
11/21/06	260.65	16.57	244.08	--	--	--	--	--	--	--	--
2/15/07	260.65	5.92	254.73	--	--	--	--	--	--	--	--
6/2/07	260.65	10.51	250.14	--	--	--	--	--	--	--	--
9/7/07	260.65	16.79	243.86	--	--	--	--	--	--	--	--
11/20/07	260.65	17.01	243.64	--	--	--	--	--	--	--	--
2/16/08	260.65	7.91	252.74	--	--	--	--	--	--	--	--
6/2/08	260.65	9.33	251.32	--	--	--	--	--	--	--	--
9/12/08	260.65	16.81	243.84	--	--	--	--	--	--	--	--
12/2/08	260.65	15.69	244.96	--	--	--	--	--	--	--	--
3/19/09	260.65	8.45	252.20	--	--	--	--	--	--	--	--
6/30/09	260.65	11.53	249.12	--	--	--	--	--	--	--	--
9/12/09	260.65	16.75	243.90	--	--	--	--	--	--	--	--
12/1/09	260.65	4.24	256.41	--	--	--	--	--	--	--	--

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-16											
2/23/10	260.65	2.96	257.69	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	260.65	14.17	246.48	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/5/01	261.14	3.97	257.17	--	--	5,260	31.7	35.4	444	304	--
6/26/02	261.14	14.92	246.22	--	--	--	--	--	--	--	--
9/29/02	261.14	18.59	242.55	--	--	--	--	--	--	--	--
1/6/03	261.14	12.58	248.56	--	--	--	--	--	--	--	--
3/8/03	261.14	8.03	253.11	--	--	--	--	--	--	--	--
6/9/03	261.14	9.31	251.83	--	--	--	--	--	--	--	--
9/2/03	261.14	17.59	243.55	--	--	--	--	--	--	--	--
12/19/03	261.14	7.49	253.65	--	--	--	--	--	--	--	--
3/29/04	261.14	6.71	254.43	--	--	--	--	--	--	--	--
6/10/04	261.14	11.63	249.51	--	--	--	--	--	--	--	--
9/17/04	261.14	17.88	243.26	--	--	--	--	--	--	--	--
4/22/05	261.14	7.43	253.71	--	--	--	--	--	--	--	--
7/8/05	261.14	11.65	249.49	--	--	--	--	--	--	--	--
9/7/05	261.14	16.54	244.60	--	--	--	--	--	--	--	--
1/4/06[4]	261.14	5.83	255.31	--	--	--	--	--	--	--	--
3/15/06	261.14	5.92	255.22	--	--	--	--	--	--	--	--
7/2/06	261.14	12.08	249.06	--	--	--	--	--	--	--	--
9/28/06	261.14	18.30	242.84	--	--	--	--	--	--	--	--
11/21/06	261.14	17.34	243.80	--	--	--	--	--	--	--	--
2/15/07	261.14	6.51	254.63	--	--	--	--	--	--	--	--
6/2/07	261.14	11.21	249.93	--	--	--	--	--	--	--	--
9/7/07	261.14	17.60	243.54	--	--	--	--	--	--	--	--
11/20/07	261.14	18.30	242.84	--	--	--	--	--	--	--	--
2/16/08	261.14	5.40	255.74	--	--	--	--	--	--	--	--
6/2/08	261.14	10.98	250.16	--	--	3,200	8.4	5.2	150	49	18
9/12/08	261.14	17.79	243.35	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	261.14	15.27	245.87	SAMPLED ANNUALLY		--	--	--	--	--	--
3/19/09	261.14	8.45	252.69	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	261.14	11.69	249.45	--	--	6,900	14	10	260	110	58
9/12/09	261.14	17.54	243.60	--	--	7,000	8.7	35	240	160	25
12/1/09	261.14	5.70	255.44	--	--	4,800	12	10	170	51	55
2/23/10	261.14	4.55	256.59	--	--	4,300	<10[7,10]	4.7	110	41	24
8/21/10	261.14	14.41	246.73	--	--	5,900	<20[7]	12	130	57	<25[9]

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Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-17											
12/5/01	259.91	9.00	250.91	--	--	25,600	173	757	1,040	4,840	--
6/26/02	259.91	14.59	245.32	--	--	--	--	--	--	--	--
9/29/02	259.91	19.90	240.01	--	--	--	--	--	--	--	--
1/6/03	259.91	16.71	243.20	--	--	--	--	--	--	--	--
3/8/03	259.91	12.27	247.64	--	--	--	--	--	--	--	--
6/9/03	259.91	13.48	246.43	--	--	--	--	--	--	--	--
9/2/03	259.91	19.49	240.42	--	--	--	--	--	--	--	--
12/19/03	259.91	13.18	246.73	--	--	--	--	--	--	--	--
3/29/04	259.91	9.82	250.09	--	--	--	--	--	--	--	--
6/10/04	259.91	15.84	244.07	--	--	--	--	--	--	--	--
9/17/04	259.91	19.91	240.00	--	--	--	--	--	--	--	--
4/22/05	259.91	12.03	247.88	--	--	--	--	--	--	--	--
7/8/05	259.91	15.24	244.67	--	--	--	--	--	--	--	--
9/7/05	259.91	18.46	241.45	--	--	--	--	--	--	--	--
1/4/06[4]	259.91	8.93	250.98	--	--	--	--	--	--	--	--
3/15/06	259.91	9.02	250.89	--	--	--	--	--	--	--	--
7/2/06	259.91	15.65	244.26	--	--	--	--	--	--	--	--
9/28/06	259.91	DRY	--	--	--	--	--	--	--	--	--
11/21/06	259.91	19.27	240.64	--	--	--	--	--	--	--	--
2/15/07	259.91	8.56	251.35	--	--	--	--	--	--	--	--
6/2/07	259.91	13.37	246.54	--	--	--	--	--	--	--	--
9/7/07	259.91	19.12	240.79	--	--	--	--	--	--	--	--
11/20/07	259.91	DRY	--	--	--	--	--	--	--	--	--
2/16/08	259.91	7.82	252.09	--	--	--	--	--	--	--	--
6/2/08	259.91	13.50	246.41	--	--	7,900	37	140	170	590	<100[6]
9/12/08	259.91	19.21	240.70	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	259.91	19.84	--[9]	SAMPLED ANNUALLY		--	--	--	--	--	--
3/19/09	259.91	12.15	247.76	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	259.91	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
9/12/09	259.91	18.75	241.16	--	--	5,500	13	56	63	320	<20[6]
12/1/09	259.91	8.37	251.54	--	--	2,000	23	18	32	91	180
2/23/10[11]	259.91	5.50	254.41	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	259.91	15.98	243.93	--	--	5,200	20	59	32	470	<50[6]

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-18											
12/5/01	259.72	9.69	250.03	--	--	18,400	56.7	164	990	3,190	--
6/26/02	259.72	12.59	247.13	--	--	--	--	--	--	--	--
9/29/02	259.72	DRY	--	--	--	--	--	--	--	--	--
1/6/03	259.72	DRY	--	--	--	--	--	--	--	--	--
3/8/03	259.72	DRY	--	--	--	--	--	--	--	--	--
6/9/03	259.72	13.88	245.84	--	--	--	--	--	--	--	--
9/2/03	259.72	DRY	--	--	--	--	--	--	--	--	--
12/19/03	259.72	17.06	242.66	--	--	--	--	--	--	--	--
3/29/04	259.72	9.86	249.86	--	--	--	--	--	--	--	--
6/10/04	259.72	DRY	--	--	--	--	--	--	--	--	--
4/22/05	259.72	13.71	246.01	--	--	--	--	--	--	--	--
7/8/05	259.72	15.86	243.86	--	--	--	--	--	--	--	--
9/7/05	259.72	DRY	--	--	--	--	--	--	--	--	--
1/4/06[4]	259.72	9.07	250.65	--	--	--	--	--	--	--	--
3/15/06	259.72	9.19	250.53	--	--	--	--	--	--	--	--
7/2/06	259.72	16.03	243.69	--	--	--	--	--	--	--	--
9/28/06	259.72	DRY	--	--	--	--	--	--	--	--	--
11/21/06	259.72	DRY	--	--	--	--	--	--	--	--	--
2/15/07	259.72	8.72	251.00	--	--	--	--	--	--	--	--
6/2/07	259.72	13.75	245.97	--	--	--	--	--	--	--	--
9/7/07	259.72	DRY	--	--	--	--	--	--	--	--	--
11/20/07	259.72	DRY	--	--	--	--	--	--	--	--	--
2/16/08	259.72	8.38	251.34	--	--	--	--	--	--	--	--
6/2/08	259.72	13.98	245.74	--	--	25,000	<60[7]	120	870	1,800	200
9/12/08	259.72	18.95	--[9]	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	259.72	DRY	--	--	--	--	--	--	--	--	--
3/19/09	259.72	12.67	247.05	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	259.72	13.56	246.16	--	--	24,000	60	130	1,200	2,300	290
9/12/09	259.72	DRY	--	--	--	--	--	--	--	--	--
12/1/09	259.72	8.85	250.87	--	--	20,000	53	100	920	1,400	270
2/23/10	259.72	6.28	253.44	--	--	15,000	<30[7]	52	590	790	150
8/21/10	259.72	16.29	243.43	--	--	21,000	<100[7]	97	820	1,300	<150[6]

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1											
12/21/93	263.10	21.28	241.82	ND	--	ND	ND	ND	ND	ND	--
3/7/95	263.10	9.36	253.74	--	--	80	76.7	1	1	3	
8/4/95	263.10	19.57	243.53			80	116	2	3	3	
3/25/96	263.10	11.55	251.55	ND	--	ND	0.9	ND	ND	1.4	--
5/30/96	263.10	14.78	248.32	--	--	104	57.9	1.29	ND	1.65	--
6/13/96	263.10	13.25	249.85	--	--	ND	7.9	0.7	ND	ND	--
9/26/96	263.10	21.7	241.40	--	--	237	126.0	3.0	1.3	3.6	--
12/18/96	263.10	9	254.10	--	--	218	32.5	1.2	ND	1.3	--
3/26/97	263.10	7.75	255.35	--	--	77	11	0.7	ND	1.4	--
6/30/97	263.10	15.155	247.95	--	--	268	110	4.05	ND	5.73	--
9/29/97	263.10	20.2	242.90	--	--	304	85	3.72	ND	ND	--
12/29/97	263.10	12.42	250.68	--	--	151	72	1.8	0.771	1.00	--
3/13/98	263.10	5.15	257.95	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.10	14.94	248.16	--	--	ND	ND	ND	ND	ND	--
9/11/98	263.10	18.42	244.68	--	--	ND	2.7	ND	ND	1.07	--
12/29/98	263.10	10.5	252.60	--	--	ND	3.43	ND	ND	ND	--
2/3/99	263.10	4.62	258.48	--	--	168	67.5	<2.00	<1.00	3.07	--
4/20/99	263.10	8.35	254.75	--	--	129	90.8	<1.12	<1.00	<3.20	--
7/15/99	263.10	15.06	248.04	--	--	145	61.6	1.35	0.668	1.98	--
11/10/99	263.10	20.54	242.56	--	--	--	--	--	--	--	--
3/8/00	263.10	8.02	255.08	--	--	441	46.6	<1.40	<0.650	2.38	--
5/18/00	263.10	13.13	249.97	--	--	438	74.3	1.81	0.89	2.26	--
9/5/00	263.10	19.01	244.09	--	--	682	69.5	4.73	6.14	33.0	<0.5
11/2/00	263.10	21.12	241.98	--	--	2,540	79.4	22.8	40.6	244	--
3/1/01	263.10	13.27	249.83	--	--	173	30.8	1.25	1.46	10.4	--
ABANDONED/DESTROYED[2]											
MW-2											
12/21/93	263.35	22.68	240.67	ND	--	3,300	170	160	180	540	--
3/7/95	263.35	11.07	252.28	--	--	11,500	209	615	609	1,960	
8/4/95	263.35	20.94	242.41			27,000	91.6	1,120	1,060	3,300	
3/25/96	263.35	13.2	250.15	--	--	--	--	--	--	--	--
5/30/96	263.35	15.32	248.03	--	--	16,800	196	841	781	2,560	--
6/13/96	263.35	14.72	248.63	--	--	8,980	196	586	478	1,460	--
9/26/96	263.35	19.1	244.25	--	--	--	--	--	--	--	--
12/18/96	263.35	11.66	251.69	--	--	17,600	64.6	896	703	3,240	--
3/26/97	263.35	9.73	253.62	--	--	--	--	--	--	--	--
6/30/97	263.35	15.85	247.50	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-2 (cont)											
9/29/97	263.35	21.8	241.55	--	--	23,000	74.5	854	852	3,750	--
12/29/97	263.35	15.38	247.97	--	--	--	--	--	--	--	--
3/13/98	263.35	6.78	256.57	--	--	--	--	--	--	--	--
6/24/98	263.35	10.7	252.65	--	--	--	--	--	--	--	--
9/11/98	263.35	19.4	243.95	--	--	5,410	175	212	316	618	--
12/29/98	263.35	11.54	251.81	--	--	--	--	--	--	--	--
2/3/99	263.35	5	258.35	--	--	8,450	164	394	408	994	--
4/20/99	263.35	9.95	253.40	--	--	10,200	193	572	587	1,410	--
7/15/99	263.35	15.95	247.40	--	--	1,570	123	118	139	234	--
11/10/99	263.35	21.47	241.88	--	--	14,700	219	714	826	1,950	--
3/8/00	263.35	9.4	253.95	--	--	8,810	194	493	549	1,070	--
5/18/00	263.35	13.55	249.80	--	--	5,120	182	228	372	641	--
9/5/00	263.35	19.76	243.59	--	--	1,990	149	68.9	206	227	<50
11/2/00	263.35	22.14	241.21	--	--	--	--	--	--	--	--
3/1/01	263.35	16.48	246.87	--	--	2,040	103	82.0	162	250	<1.00
ABANDONED/DESTROYED[2]											
MW-3											
12/21/93	263.72	24.44	239.28	820	--	42,000	460	1,100	2,600	6,700	--
3/7/95	263.72	13.31	250.41	--	--	35,000	1,130	2,200	830	4,750	
8/4/95	263.72	22.12	241.60			40,000	1,300	2,100	1,000	4,800	
3/25/96	263.72	14.67	249.05	1500	--	33,000	990	1,800	950	4,800	--
5/30/96	263.72	17.37	246.35	--	--	28,600	867	2,180	1,000	5,270	--
6/13/96	263.72	15.98	247.74	--	--	24,500	562	2,180	867	4,870	--
9/26/96	263.72	20.85	242.87	--	--	41,100	751	2,350	1,240	6,920	--
12/18/96	263.72	14.4	249.32	--	--	18,600	215	1,390	559	4,390	--
3/26/97	263.72	11	252.72	--	--	32,000	793	1,900	1,000	5,330	--
6/30/97	263.72	17	246.72	--	--	36,100	316	2,040	1,190	6,430	--
9/29/97	263.72	21.98	241.74	--	--	34,300	171	1,800	1,190	6,880	--
12/29/97	263.72	17.32	246.40	--	--	25,500	130	1,380	711	5,530	--
3/13/98	263.72	7.2	256.52	--	--	3,400	906	2,160	1,240	6,480	--
6/24/98	263.72	13.01	250.71	--	--	38,400	341	1,790	1,120	6,570	--
9/11/98	263.72	20.05	243.67	--	--	28,100	280	1,490	959	5,580	--
12/29/98	263.72	15.4	248.32	--	--	19,200	121	694	244	5,130	--
2/3/99	263.72	7.85	255.87	--	--	30,600	554	1,460	830	5,770	--
4/20/99	263.72	11.26	252.46	--	--	25,700	783	1,650	1,020	5,370	--
7/15/99	263.72	16.23	247.49	--	--	19,800	490	997	616	2,960	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-3 (cont)											
11/10/99	263.72	21.64	242.08	--	--	--	--	--	--	--	--
3/8/00	263.72	11.34	252.38	--	--	30,700	809	1,520	1,220	5,750	--
5/18/00	263.72	14.76	248.96	--	--	26,700	789	1,380	994	4,850	--
9/5/00	263.72	20.42	243.30	--	--	36,600	654	1,320	1,170	5,870	<250
11/2/00	263.72	22.79	240.93	--	--	--	--	--	--	--	--
3/1/01	263.72	20.22	243.50	--	--	32,400	333	1,650	1,340	7,700	<1.00
ABANDONED/DESTROYED[2]											
MW-4											
3/7/95	264.54	6.56	257.98	--	--	ND	ND	ND	ND	ND	
8/4/95	264.54	16.46	248.08			ND	ND	ND	ND	ND	
3/25/96	264.54	--	--	--	--	--	--	--	--	--	--
5/30/96	264.54	11.36	253.18	--	--	ND	ND	ND	ND	ND	--
6/13/96	264.54	9.61	254.93	--	--	ND	ND	ND	ND	ND	--
9/26/96	264.54	17.9	246.64	--	--	ND	ND	ND	ND	ND	--
12/18/96	264.54	5.9	258.64	--	--	ND	ND	ND	ND	ND	--
3/26/97	264.54	4.45	260.09	--	--	--	--	--	--	--	--
6/30/97	264.54	10.65	253.89	--	--	--	--	--	--	--	--
9/29/97	264.54	16.25	248.29	--	--	ND	ND	ND	ND	ND	--
12/29/97	264.54	9.21	255.33	--	--	--	--	--	--	--	--
3/13/98	264.54	5.43	259.11	--	--	--	--	--	--	--	--
6/24/98	264.54	14.64	249.90	--	--	--	--	--	--	--	--
9/11/98	264.54	16.49	248.05	--	--	ND	ND	ND	ND	ND	--
12/29/98	264.54	7.29	257.25	--	--	--	--	--	--	--	--
2/3/99	264.54	3.88	260.66	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
4/20/99	264.54	9.24	255.30	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	264.54	14.54	250.00	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
11/10/99	264.54	20.08	244.46	--	--	--	--	--	--	--	--
3/8/00	264.54	7.68	256.86	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
5/18/00	264.54	12.42	252.12	--	--	<80	<0.5	<0.5	<0.5	<1.0	--
9/5/00	264.54	DRY	--	--	--	--	--	--	--	--	--
11/2/00	264.54	20.65	243.89	--	--	<50	<0.500	<0.500	<0.500	<1.00	--
3/1/01	264.54	12.53		--	--	<50	<0.500	<0.500	<0.500	<1.00	--
ABANDONED/DESTROYED[2]											

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-5											
3/7/95	263.27	26.19	237.08	--	--	9,000	427	212	291	1,020	
8/4/95	263.27	32.13	231.14			730	13.2	<5	7	4	
3/25/96	263.27	26.11	237.16	690	--	11,000	610	280	280	1,200	--
5/30/96	263.27	28.62	234.65	--	--	18,300	870	349	484	1,360	--
6/13/96	263.27	27.5	235.77	--	--	4,150	204	59.0	15.4	356	--
9/26/96	263.27	32.9	230.37	--	--	1,310	62.8	24.9	36.7	104	--
12/18/96	263.27	30.9	232.37	--	--	ND	0.9	ND	ND	ND	--
3/26/97	263.27	20.91	242.36	--	--	ND	ND	ND	ND	ND	--
6/30/97	263.27	28.55	234.72	--	--	3,630	128	70.9	27.0	261	--
9/29/97	263.27	32.35	230.92	--	--	ND	ND	ND	ND	ND	--
12/29/97	263.27	30.8	232.47	--	--	ND	ND	ND	ND	ND	--
3/13/98	263.27	25.12	238.15	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.27	30.37	232.90	--	--	ND	ND	ND	ND	ND	--
9/11/98	263.27	33.35	229.92	--	--	ND	ND	ND	ND	ND	--
12/29/98	263.27	28.88	234.39	--	--	ND	ND	ND	ND	ND	--
2/3/99	263.27	24.17	239.10	--	--	8,480	275	183	312	868	--
4/20/99	263.27	26.67	236.60	--	--	6,250	289	165	220	726	--
7/15/99	263.27	31.72	231.55	--	--	6,070	309	169	144	772	--
11/10/99	263.27	34.61	228.66	--	--	--	--	--	--	--	--
3/8/00	263.27	28.22	235.05	--	--	8,630	200	118	220	570	--
5/18/00	263.27	30.23	233.04	--	--	7,320	216	143	180	650	--
9/5/00	263.27	DRY	--	--	--	--	--	--	--	--	--
11/2/00	263.27	35.78	227.49	--	--	4,850	148	87.7	172	569	--
3/1/01	263.27	35.89	227.38	--	--	1,430	27.4	15.9	15.5	107	--
8/21/01	263.27	35.77	227.50	--	--	2,530	51.4	33.4	76.9	224	--
12/5/01	263.27	35.72	227.55	--	--	2,560	59.7	51.7	89.4	349	--
6/26/02	263.27	31.05	232.22	<250[1]	<750[1]	99	4.0	1.5	3.0	5.6	<2.5
9/29/02	263.27	35.05	228.22	--	--	280	8.1	4.1	9.3	14	<2.5
1/6/03	263.27	36.61	226.66	--	--	910	19	10	19	31	<10
3/8/03	263.27	33.69	229.58	--	--	1,100	18	16	43	82	<20
6/9/03	263.27	31.75	231.52	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/2/03	263.27	35.33	227.94	--	--	380	7.6	4.8	12	23	<2.5
12/19/03	263.27	36.35	226.92	--	--	240	7.3	2.0	2.6	6.0	<2.5
3/29/04	263.27	30.22	233.05	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

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1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-5 (cont)											
6/10/04	263.27	32.70	230.57	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	263.27	35.88	227.39	--	--	790	18	9.5	27	43	<20
4/22/05	263.27	33.25	230.02	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
ABANDONED											
MW-6											
5/30/96	263.72	25.41	238.31	--	--	ND	ND	ND	ND	ND	--
3/26/97	263.75	16.73	247.02	--	--	ND	ND	ND	ND	ND	--
6/30/97	263.75	25.80	237.95	--	--	--	--	--	--	--	--
9/29/97	263.75	29.43	234.32	--	--	62.5	ND	ND	ND	ND	--
12/29/97	263.75	28.07	235.68	--	--	--	--	--	--	--	--
3/13/98	263.75	21.10	242.65	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.75	27.52	236.23	--	--	--	--	--	--	--	--
9/11/98	263.75	30.29	233.46	--	--	59.4	ND	ND	ND	ND	--
12/29/98	263.75	26.15	237.60	--	--	--	--	--	--	--	--
2/3/99	263.75	18.67	245.08	--	--	--	--	--	--	--	--
4/20/99	263.75	23.09	240.66	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	263.75	27.06	236.69	--	--	--	--	--	--	--	--
11/10/99	263.75	31.30	232.45	--	--	--	--	--	--	--	--
3/8/00	263.75	--	--	--	--	--	--	--	--	--	--
5/18/00	263.75	27.56	236.19	--	--	93.8	0.65	<0.5	<0.5	<1.0	--
9/5/00	263.75	--	--	--	--	--	--	--	--	--	--
11/2/00	263.75	--	--	--	--	--	--	--	--	--	--
3/1/01	263.75	31.58	232.17	--	--	--	--	--	--	--	--
8/21/01	263.75	31.81	231.94	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
12/5/01	263.75	--	--	--	--	--	--	--	--	--	--
6/26/02	263.75	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
9/29/02	263.75	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
1/6/03	263.75	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
3/8/03	263.75	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
6/9/03	263.75	UNABLE TO LOCATE - PAVED OVER			--	--	--	--	--	--	--
PAVED OVER											
MW-7											
3/7/95	217.60	2.03	215.57	--	--	ND	ND	ND	ND	ND	--
8/4/95	217.60	--	--	--	--	--	--	--	--	--	--
3/25/96	217.60	1.95	215.65	ND	--	ND	ND	ND	ND	ND	--
5/30/96	263.72	2.45	261.27	--	--	ND	ND	ND	ND	ND	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-7 (cont)											
6/13/96	217.60	2.27	215.33	--	--	--	--	--	--	--	--
9/26/96	217.60	3.40	214.20	--	--	ND	ND	ND	ND	ND	--
12/18/96	217.60	2.10	215.50	--	--	--	--	--	--	--	--
3/26/97	217.60	1.45	216.15	--	--	ND	ND	ND	ND	ND	--
6/30/97	217.60	2.25	215.35	--	--	--	--	--	--	--	--
9/29/97	217.60	3.00	214.60	--	--	ND	ND	ND	ND	ND	--
12/29/97	217.60	2.11	215.49	--	--	--	--	--	--	--	--
3/13/98	217.60	1.70	215.90	--	--	ND	ND	ND	ND	ND	--
6/24/98	217.60	2.61	214.99	--	--	--	--	--	--	--	--
9/11/98	217.60	4.45	213.15	--	--	ND	0.756	ND	ND	1.78	--
12/29/98	217.60	2.05	215.55	--	--	--	--	--	--	--	--
2/3/99	217.60	1.21	216.39	--	--	--	--	--	--	--	--
4/20/99	217.60	--	--	--	--	--	--	--	--	--	--
7/15/99	217.60	--	--	--	--	--	--	--	--	--	--
6/26/02	217.60	UNABLE TO LOCATE - OVERGROWN VEGETATION				--	--	--	--	--	--
9/29/02	217.60	UNABLE TO LOCATE - OVERGROWN VEGETATION				--	--	--	--	--	--
ABANDONED/DESTROYED[2]											
MW-11											
5/30/96		27.76	--	--	--	180	8.34	6.23	3.87	24	--
2/3/99	--	11.10	--	ND	ND	<50	<0.5	<0.5	<0.5	<1.0	--
4/20/99	--	25.54	--	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	--	30.34	--	--	--	--	--	--	--	--	--
11/10/99	--	DRY	--	--	--	--	--	--	--	--	--
3/8/00	--	27.29	--	--	--	--	--	--	--	--	--
5/18/00	--	29.78	--	--	--	<80	<0.5	<0.5	<0.5	<1.0	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--
3/1/01	--	DRY	--	--	--	--	--	--	--	--	--
8/21/01	--	DRY	--	--	--	--	--	--	--	--	--
12/5/01	--	DRY	--	--	--	--	--	--	--	--	--
6/26/02	--	30.49	--	--	--	--	--	--	--	--	--
9/29/02	--	DRY	--	--	--	--	--	--	--	--	--
1/6/03	--	DRY	--	--	--	--	--	--	--	--	--
3/8/03	--	30.37	--	--	--	--	--	--	--	--	--
6/9/03	--	30.44	--	--	--	--	--	--	--	--	--
9/2/03	--	DRY	--	--	--	--	--	--	--	--	--
12/19/03	--	DRY	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-11 (cont)											
3/29/04	--	30.41	--	--	--	--	--	--	--	--	--
6/10/04	--	30.92	--	--	--	--	--	--	--	--	--
9/17/04	--	DRY	--	--	--	--	--	--	--	--	--
4/22/05	--	30.32	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
ABANDONED											
MW-12											
5/30/96	--	DRY	--	--	--	--	--	--	--	--	--
2/3/99	--	--	--	--	--	--	--	--	--	--	--
4/20/99	--	--	--	--	--	--	--	--	--	--	--
7/15/99	--	DRY	--	--	--	--	--	--	--	--	--
11/10/99	--	DRY	--	--	--	--	--	--	--	--	--
3/8/00	--	DRY	--	--	--	--	--	--	--	--	--
5/18/00	--	DRY	--	--	--	--	--	--	--	--	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--
3/1/01	--	DRY	--	--	--	--	--	--	--	--	--
8/21/01	--	DRY	--	--	--	--	--	--	--	--	--
12/5/01	--	DRY	--	--	--	--	--	--	--	--	--
6/26/02	--	DRY/OBSTRUCTED AT 14.55 FEET			--	--	--	--	--	--	--
ABANDONED											
MW-13											
5/30/96	--	13.26	--	--	--	26,700	298	718	520	4,900	--
2/3/99	--	--	--	--	--	31,800	506	1,500	229	6,500	--
4/20/99	--	10.33	--	--	--	31,700	659	1,850	1,100	7,260	--
7/15/99	--	15.46	--	--	--	--	--	--	--	--	--
11/10/99	--	21.78	--	--	--	--	--	--	--		--
3/8/00	--	9.87	--	--	--	29,300	386	1,700	1,300	6,840	--
5/18/00	--	13.64	--	--	--	38,200	524	1,590	1,130	6,620	--
9/5/00	--	19.98	--	--	--	40,400	476	1,920	1,420	8,520	<500
11/2/00	--	22.70	--	--	--	--	--	--	--	--	--
3/1/01	--	18.11	--	--	--	35,400	456	1,460	559	8,820	<1.00
8/21/01	--	--	--	--	--	--	--	--	--	--	--
12/5/01	--	--	--	--	--	--	--	--	--	--	--
ABANDONED/DESTROYED											

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-14											
5/30/96	--	12.67	--	--	--	39,800	704	2,990	854	7,050	--
2/3/99	--	--	--	--	--	279	<0.5	0.582	2.05	9.876	--
4/20/99	--	9.51	--	--	--	547	<1.1	<4.10	19.5	23.1	--
7/15/99	--	DRY	--	--	--	--	--	--	--	--	--
11/10/99	--	14.35	--	--	--	--	--	--	--		--
3/8/00	--	8.26	--	--	--	1,150	<0.550	4.05	22.8	<10.5	--
5/18/00	--	13.16	--	--	--	34,900	449	1,530	1,080	6,200	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--
3/1/01	--	14.18	--	--	--	6,110	<30.8	103	225	579	--
ABANDONED/DESTROYED[2]											
VEW-1											
3/7/95	263.17	7.70	255.47	--	--	44,000	953	2,030	1,050	7,700	--
8/4/95	263.17	17.68	245.49			53,000	1,020	1,900	1,320	7,100	--
3/25/96	263.17	9.75	253.42	--	--	--	--	--	--	--	--
5/30/96	263.17	12.87	250.30	--	--	853,000	544	1,350	1,680	8,960	--
6/13/96	263.17	11.69	251.48	--	--	25,800	702	2,820	669	5,060	--
9/26/96	263.17	19.10	244.07	--	--	--	--	--	--	--	--
12/18/96	263.17	8.00	255.17	--	--	43,800	646	1,420	1,300	7,320	--
3/26/97	263.17	5.55	257.62	--	--	35,000	458	1,070	1,120	5,610	--
6/30/97	263.17	12.42	250.75	--	--	429,000	506	1,230	1,280	5,890	--
9/29/97	263.17	18.03	245.14	--	--	--	--	--	--	--	--
12/29/97	263.17	12.15	251.02	--	--	39,900	698	1,580	1,550	8,450	--
3/13/98	263.17	6.95	256.22	--	--	48,000	507	1,310	1,310	7,250	--
6/24/98	263.17	--	--	--	--	--	--	--	--	--	--
9/11/98	263.17	19.37	243.80	--	--	--	--	--	--	--	--
12/29/98	263.17	10.23	252.94	--	--	23,300	242	653	953	4,050	--
2/3/99	263.17	5.13	258.04	--	--	--	--	--	--	--	--
4/20/99	263.17	9.73	253.44	--	--	26,700	362	994	980	5,460	--
7/15/99	263.17	15.89	247.28	--	--	52,300	517	1,160	1,180	6,460	--
11/10/99	263.17	DRY	--	--	--	--	--	--	--	--	--
3/8/00	263.17	9.02	254.15	--	--	27,700	214	800	1,210	5,700	--
5/18/00	263.17	14.12	249.05	--	--	35,700	365	1,040	1,140	6,450	--
9/5/00	263.17	DRY	--	--	--	--	--	--	--	--	--
11/2/00	263.17	DRY	--	--	--	--	--	--	--	--	--
3/1/01	263.17	15.50	247.67	--	--	705,000	954	3,280	4,700	33,300	--

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1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
VEW-1 (cont)											
8/21/01	263.17	19.54	243.63	--	--	193,000	734	3,080	3,310	17,600	--
12/5/01	263.17	9.38	253.79	--	--	38,800	440	1,760	1,360	8,590	--
ABANDONED/DESTROYED[2]											
VEW-2											
3/7/95	263.02	6.28	256.74	--	--	25,500	<10	858	997	4,800	--
8/4/95	263.02	16.53	246.49	--	--	33,000	28	730	680	3,400	--
3/25/96	263.02	8.55	254.47	--	--	--	--	--	--	--	--
5/30/96	263.02	11.52	251.50	--	--	26,000	79.7	468	678	3,510	--
6/13/96	263.02	9.51	253.51	--	--	--	--	--	--	--	--
9/26/96	263.02	18.25	244.77	--	--	--	--	--	--	--	--
12/18/96	263.02	5.90	257.12	--	--	--	--	--	--	--	--
3/26/97	263.02	--	--	--	--	--	--	--	--	--	--
6/30/97	263.02	17.25	245.77	--	--	--	--	--	--	--	--
9/29/97	263.02	--	--	--	--	--	--	--	--	--	--
12/29/97	263.02	--	--	--	--	--	--	--	--	--	--
3/13/98	263.02	--	--	--	--	--	--	--	--	--	--
6/24/98	263.02	--	--	--	--	--	--	--	--	--	--
9/11/98	263.02	--	--	--	--	--	--	--	--	--	--
12/29/98	263.02	--	--	--	--	--	--	--	--	--	--
2/3/99	263.02	4.15	258.87	--	--	--	--	--	--	--	--
4/20/99	263.02	8.60	254.42	--	--	17,300	<60	311	392	2,700	--
7/15/99	263.02	14.65	248.37	--	--	26,500	78.5	410	601	3,490	--
11/10/99	263.02	DRY	--	--	--	--	--	--	--	--	--
3/8/00	263.02	7.77	255.25	--	--	19,500	<10.0	201	286	1,970	--
5/18/00	263.02	12.56	250.46	--	--	19,800	21.6	309	320	2,980	--
9/5/00	263.02	19.06	243.96	--	--	--	--	--	--	--	--
11/2/00	263.02	DRY	--	--	--	--	--	--	--	--	--
3/1/01	263.02	13.20		--	--	28,300	<85.0	531	808	4,070	--
ABANDONED/DESTROYED[2]											
TRIP BLANK											
QA											
6/26/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
9/29/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
1/6/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
3/8/03[3]	--	--	--	--	--	--	--	--	--	--	--
6/9/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

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1366 31st Ave. South
Seattle, Washington
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Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
QA (cont)											
9/2/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/19/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/29/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/10/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
4/22/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
7/8/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
3/15/06[2]	--	--	--	--	--	--	--	--	--	--	--
7/2/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
9/28/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
2/15/07	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
11/20/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/16/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/2/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/19/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
Standard Laboratory Reporting Limits:				--	--	50	0.5	0.5	0.5	1.5	2.5
MTCA Method A CULs:				500	500	800/1,000	5	1,000	700	1,000	20
Current Method:				NWTPH-Dx + Extended		NWTPH-Gx and EPA 8260					

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Ave. South
Seattle, Washington
Concentrations reported in µg/L

EXPLANATIONS:

Historical data has been requested, but electronic file has not yet been received.

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
(msl) = Mean Sea Level
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as diesel-range organics
TPH-HRO = TPH as heavy oil-range organics
TPH-GRO = TPH as gasoline-range organics
MTBE = Methyl Tertiary Butyl Ether
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
MTCA = Model Toxics Control Act
CULs = Cleanup levels
QC = Quality control

* TOC elevations have been surveyed in feet relative to msl.

1 Analyzed with silica-gel cleanup.
2 Reported as ABANDONED/DESTROYED because confirmation has not yet been received.
3 Analysis was not performed as requested on the chain of custody.
4 Due to a scheduling error, monitoring and sampling was performed in 2006 but reflects the 4th quarter 2005 event.
5 Samples were not received by laboratory.
6 Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
7 Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for benzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
8 Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for benzene and total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.
9 Insufficient water to determine GWE.
10 Laboratory report indicates the reporting limits were raised because sample dilution was necessary to bring internal standard within the QC limits.
11 Laboratory confirmed result.

SAIC

March 19, 2012

Mr. Mark Horne
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California 94583

Subject: **Fourth Quarter 2011 Groundwater Monitoring and Sampling Report**
Former Texaco Service Station No. 21-1558
1366 31st Avenue South
Seattle, Washington

Dear Mr. Horne:

SAIC Energy, Environment & Infrastructure, LLC (SAIC) on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the fourth quarter 2011 groundwater monitoring and sampling event at former Texaco Service Station No. 21-1558 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring and sampling field event on November 30 and December 1, 2011. They collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in twelve monitoring wells on site.

Groundwater samples were collected from eleven monitoring wells on site (monitoring well MW-18 was dry) and submitted to Lancaster Laboratories, Inc. in Lancaster, Pennsylvania for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by United States Environmental Protection Agency (EPA) Method 8021B.

Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

FINDINGS

Groundwater flows toward the southwest at a gradient of approximately 0.02 feet per foot (Figure 2).

The following analytes were detected at concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels (CULs):

- TPH-GRO in monitoring wells MW-16, MW-17, MW-19, and MW-20.
- Benzene in monitoring wells MW-16, MW-17, MW-19, MW-20, and MW-21.
- MTBE in monitoring wells MW-16 and MW-21.

Historic groundwater elevation data and laboratory analytical results are summarized in Table 1. The laboratory analysis report is provided as Attachment B.

DISCUSSION

Five new monitoring wells were installed on the property in July 2011 and all new and existing wells were surveyed with respect to NAVD88 datum. Groundwater elevations and potential flow direction are consistent with historical data reported at the site.

The fourth quarter 2011 sampling event is the second time the new monitoring wells have been sampled. Petroleum-hydrocarbon constituents were detected at concentrations exceeding MTCA Method A CULs in three of the five new monitoring wells. The most significant groundwater contaminants relative to MTCA Method A CULs are TPH-GRO and benzene. The highest detections of these two contaminants occur in monitoring well MW-20, which is located down gradient from the former fuel dispensers. In addition, MTBE was detected in monitoring wells MW-16 and MW-21 at concentrations exceeding MTCA Method A CULs. Historical groundwater analytical data indicate that petroleum-hydrocarbon constituent concentrations fluctuate with seasonal changes in groundwater elevation. Lower concentrations are typically observed during high groundwater periods.

Gettler-Ryan will continue to perform groundwater monitoring and sampling on a quarterly basis. The next groundwater monitoring and sampling event is scheduled for February 2012.

If you have any questions or comments, please contact me at (425) 482-3319 or via email at michael.l.lange@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Michael L. Lange
Senior Project Manager

Gabriel Cisneros, LG #2357
Geologist

Enclosures:

Figure 1 – Vicinity Map

Figure 2 – Potentiometric Map

Table 1 – Groundwater Monitoring Data and Analytical Results

Attachment A – Groundwater Monitoring and Sampling Data Package

Attachment B – Laboratory Analysis Report

cc: Ms. Liu Jing – Ecology NW Region, Toxics Cleanup Program
3190 160th Avenue SE, Bellevue, WA 98008-5452
Ms. Michelle Newlean – Washington State Department of Transportation
310 Maple Park Avenue SE, P.O. Box 47300, Olympia, WA 98504
Mr. Jared Smith – Neighboring Property Owner
1379 31st Avenue S, Seattle, WA 98144
Project File

REPORT LIMITATIONS

This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that SAIC shall have no responsibility or liability for the consequences thereof.

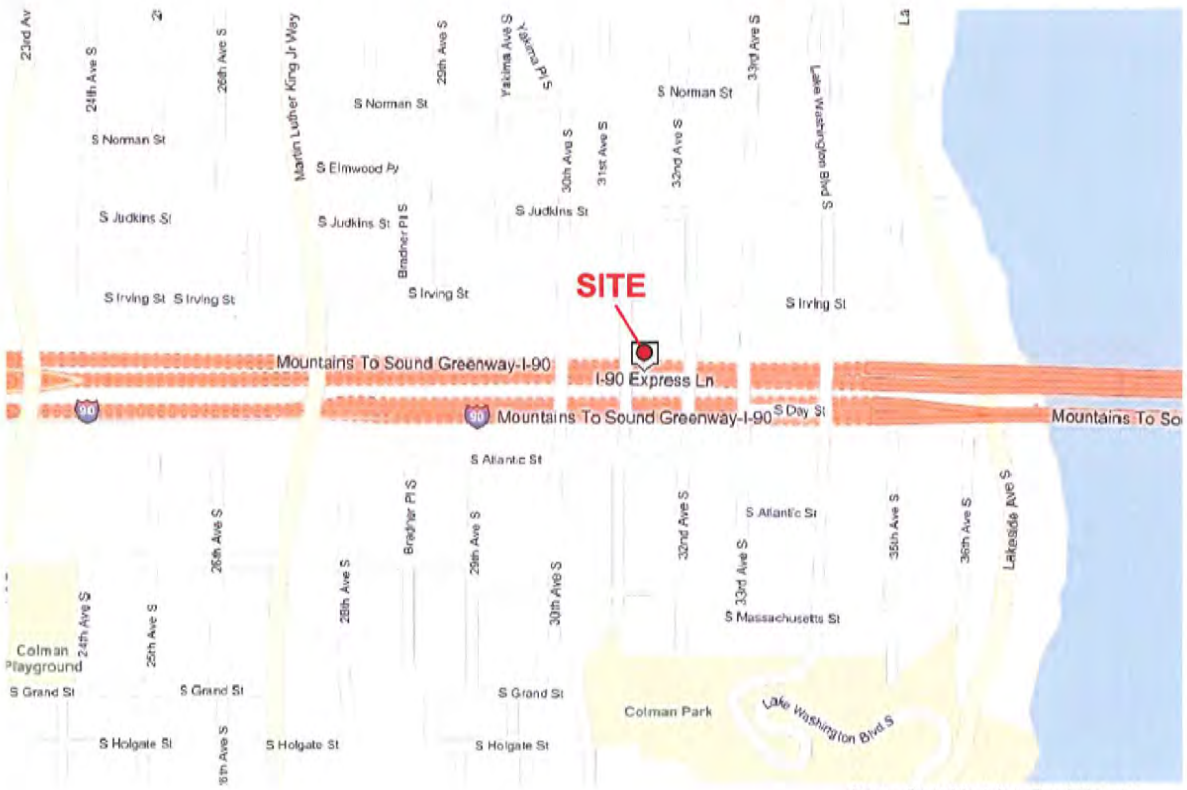
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

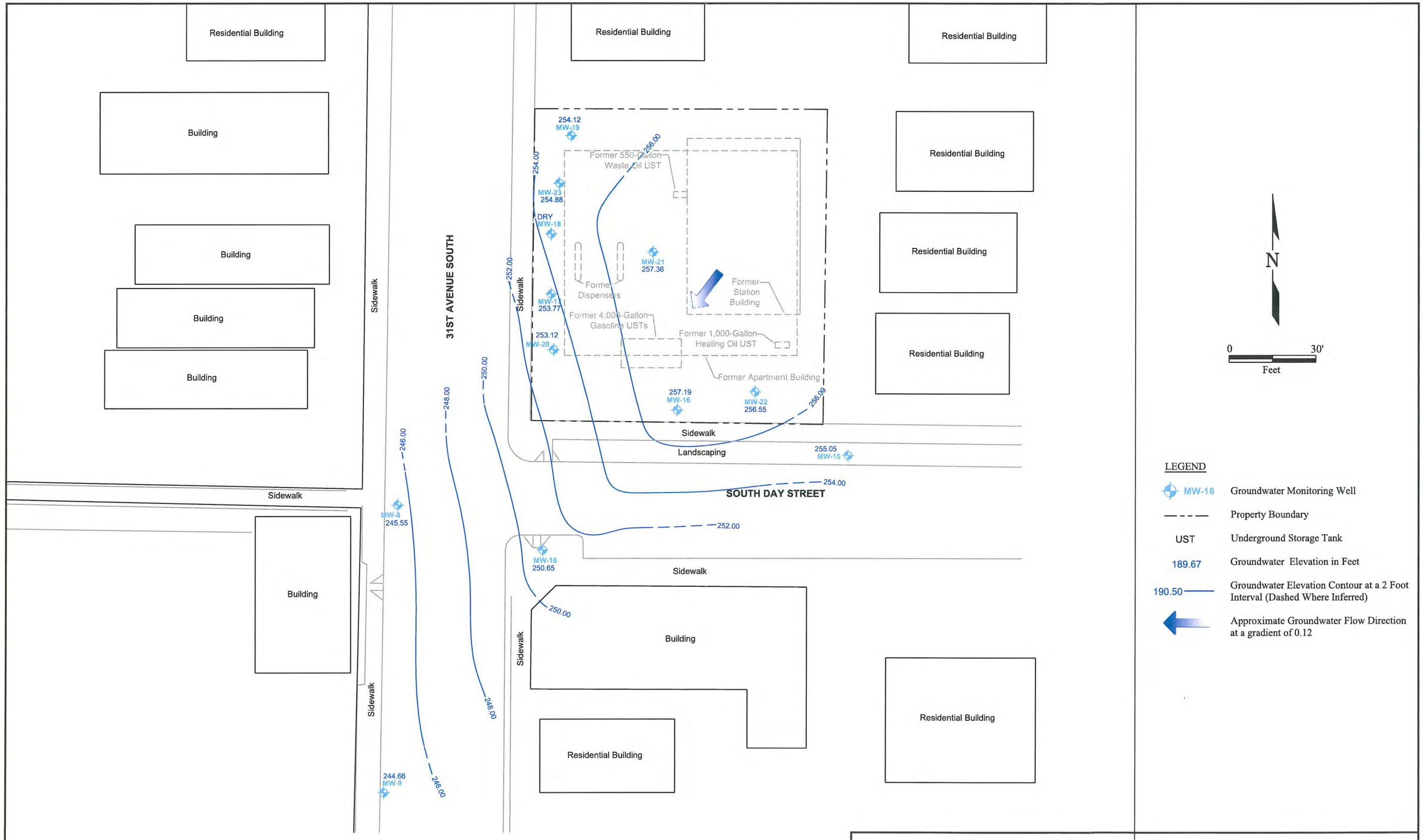
Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

All sources of information on which SAIC has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by SAIC in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.

NORTH



SAIC	Former Texaco Service Station No. 21-1558 1366 31st Avenue South Seattle, Washington	FIGURE 1 Vicinity Map FILE NAME: 211558_VM2010.dwg DATE: 09/23/2011



SAIC

Former Texaco Service Station No. 21-1558
1366 31st Avenue South
Seattle, Washington

FIGURE 2
Potentiometric Map
November 30, 2011

DATE: 3/15/2012 | DRAWING: 211558 Site Map 2011_MLL.dwg

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-8											
8/4/95	262.58	25.73	236.85	--	--	**8,820**	**579**	184	272	808	--
3/25/96	262.58	20.20	242.38	250	--	**1,500**	**61**	16	29	34	--
5/30/96	262.58	22.69	239.89	--	--	**1,220**	**42.3**	12.7	20.6	24.9	--
6/13/96	262.58	--	--	--	--	--	--	--	--	--	--
9/26/96	262.58	--	--	--	--	--	--	--	--	--	--
12/18/96	262.58	22.23	240.35	--	--	164	1.1	ND	ND	ND	--
3/26/97	262.58	16.85	245.73	--	--	**1,400**	**49.2**	18.4	34	38.9	--
6/30/97	262.58	22.50	240.08	--	--	**1,640**	**49.4**	18.1	28.8	36.5	--
9/29/97	262.58	26.00	236.58	--	--	50.1	ND	ND	ND	ND	--
12/29/97	262.58	23.31	239.27	--	--	530	**5.07**	ND	ND	ND	--
3/13/98	262.58	14.71	247.87	--	--	ND	ND	ND	ND	ND	--
6/24/98	262.58	24.36	238.22	--	--	**825**	**16.7**	ND	ND	ND	--
9/11/98	262.58	27.13	235.45	--	--	ND	ND	ND	ND	1.3	--
12/29/98	262.58	21.39	241.19	--	--	101	1.05	ND	ND	ND	--
2/3/99	262.58	18.20	244.38	--	--	**909**	**14.9**	2.84	6.32	7.38	--
4/20/99	262.58	20.95	241.63	--	--	**1,480**	**79.3**	27.2	67.3	59.8	--
7/15/99	262.58	25.63	236.95	--	--	**1,090**	**31.6**	8.45	11.6	17.6	--
11/10/99	262.58	28.24	234.34	--	--	--	--	--	--	--	--
3/8/00	262.58	21.85	240.73	--	--	**1,660**	**20.1**	6.92	14.9	14.4	--
5/18/00	262.58	23.91	238.67	--	--	**1,190**	**22.6**	6.05	7.93	11.5	--
9/5/00	262.58	27.79	234.79	--	--	527	2.17	<0.97	1.67	<3.28	<5.0
11/2/00	262.58	29.14	233.44	--	--	371	1.72	<0.5	<0.800	<4.24	--
3/1/01	262.58	28.39	234.19	--	--	652	<3.52	<0.97	<4.23	<3.47	--
8/21/01	262.58	28.28	234.30	--	--	153	0.771	<0.5	<0.500	1.73	--
12/5/01	262.58	26.74	235.84	--	--	512	3.24	0.510	<0.500	2.64	--
6/26/02	262.58	24.31	238.27	260[1]	<750[1]	560	**12**	2.6	2.4	1.9	<2.5
9/29/02	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
1/6/03	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
3/8/03	262.58	24.54	238.04	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
6/9/03	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
9/2/03	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
12/19/03	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
3/29/04	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
6/10/04	262.58	25.50	237.08	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-8 (cont)											
9/17/04	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
4/22/05	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
7/8/05	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
9/7/05	262.58	27.49	235.09	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
3/15/06	262.58	20.82	241.76	--	--	660	**20**	3.1	2.7	5.5	<2.5
7/2/06	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
9/28/06	262.58	28.18	234.40	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
2/15/07	262.58	21.08	241.50	--	--	720	**18**	4.0	3.5	7.9	<20
6/2/07	262.58	23.68	238.90	--	--	260	**7.3**	<0.5	<0.5	1.6	3.3
9/7/07	262.58	/EHICLE PARKED OVER WELL				--	--	--	--	--	--
11/20/07	262.58	/EHICLE PARKED OVER WELL				--	--	--	--	--	--
2/16/08	262.58	21.93	240.65	--	--	180	2.1	0.5	0.6	<1.5	<2.5
6/2/08	262.58	23.90	238.68	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	262.58	27.23	235.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/2/08	262.58	NACCESSIBLE		--	--	--	--	--	--	--	--
3/19/09	262.58	23.82	238.76	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	262.58	23.61	238.97	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	262.58	26.98	235.60	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/09	262.58	24.04	238.54	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	262.58	NACCESSIBLE		--	--	--	--	--	--	--	--
8/21/10	262.58	NACCESSIBLE		--	--	--	--	--	--	--	--
2/14/11	262.58	- CAR PARKED OVER WELL				--	--	--	--	--	--
8/4/11	273.05	24.20	248.85	--	--	370	**11**	1.3	<0.5[9]	<3.0[9]	14
11/30/11	273.05	27.50	245.55	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-9											
3/25/96	261.20	21.80	239.40	--	--	ND	ND	ND	ND	ND	--
5/30/96	261.20	23.09	238.11	--	--	ND	ND	0.608	ND	ND	--
6/13/96	261.20	22.38	238.82	--	--	ND	ND	ND	ND	ND	--
9/26/96	261.20	25.70	235.50	--	--	ND	ND	ND	ND	ND	--
12/18/96	261.20	--	--	--	--	--	--	--	--	--	--
3/26/97	261.20	19.20	242.00	--	--	ND	ND	ND	ND	ND	--
6/30/97	261.20	--	--	--	--	--	--	--	--	--	--
9/29/97	261.20	--	--	--	--	--	--	--	--	--	--

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TABLE 1
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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-9 (cont)											
12/29/97	261.20	--	--	--	--	--	--	--	--	--	--
3/13/98	261.20	--	--	--	--	--	--	--	--	--	--
6/24/98	261.20	--	--	--	--	--	--	--	--	--	--
9/11/98	261.20	--	--	--	--	--	--	--	--	--	--
12/29/98	261.20	--	--	--	--	--	--	--	--	--	--
2/3/99	261.20	19.38	241.82	--	--	--	--	--	--	--	--
4/20/99	261.20	21.46	239.74	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	261.20	24.42	236.78	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
11/10/99	261.20	--	--	--	--	--	--	--	--	--	--
3/8/00	261.20	23.37	237.83	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
5/18/00	261.20	24.05	237.15	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
9/5/00	261.20	26.59	234.61	--	--	<50	<0.5	<0.5	<0.5	<1.0	<5.0
11/2/00	261.20	27.68	233.52	--	--	433	<1.20	7.66	14.5	92.3	--
3/1/01	261.20	25.82	235.38	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
8/21/01	261.20	27.36	233.84	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
12/5/01	261.20	25.81	235.39	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
6/26/02	261.20	- CAR PARKED OVER WELL				--	--	--	--	--	--
9/29/02	261.20	27.71	233.49	--	--	--	--	--	--	--	--
1/6/03	261.20	28.83	232.37	--	--	--	--	--	--	--	--
3/8/03	261.20	20.57	240.63	--	--	--	--	--	--	--	--
6/9/03	261.20	21.68	239.52	--	--	--	--	--	--	--	--
9/2/03	261.20	27.43	233.77	--	--	--	--	--	--	--	--
12/19/03	261.20	24.59	236.61	--	--	--	--	--	--	--	--
3/29/04	261.20	20.94	240.26	--	--	--	--	--	--	--	--
6/10/04	261.20	23.02	238.18	--	--	--	--	--	--	--	--
9/17/04	261.20	27.91	233.29	--	--	--	--	--	--	--	--
4/22/05	261.20	21.02	240.18	--	--	--	--	--	--	--	--
7/8/05	261.20	23.00	238.20	--	--	--	--	--	--	--	--
9/7/05	261.20	26.45	234.75	--	--	--	--	--	--	--	--
1/4/06[4]	261.20	19.31	241.89	--	--	--	--	--	--	--	--
3/15/06	261.20	19.77	241.43	--	--	--	--	--	--	--	--
7/2/06	261.20	21.29	239.91	--	--	--	--	--	--	--	--
9/28/06	261.20	27.16	234.04	--	--	--	--	--	--	--	--
11/21/06	261.20	27.21	233.99	--	--	--	--	--	--	--	--

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TABLE 1
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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-9 (cont)											
2/15/07	261.20	15.97	245.23	--	--	--	--	--	--	--	--
6/2/07	261.20	20.49	240.71	--	--	--	--	--	--	--	--
9/7/07	261.20	27.93	233.27	--	--	--	--	--	--	--	--
11/20/07	261.20	27.84	233.36	--	--	--	--	--	--	--	--
2/16/08	261.20	20.24	240.96	--	--	--	--	--	--	--	--
6/2/08	261.20	24.41	236.79	--	--	--	--	--	--	--	--
9/12/08	261.20	26.57	234.63	--	--	--	--	--	--	--	--
12/2/08	261.20	26.90	234.30	--	--	--	--	--	--	--	--
3/19/09	261.20	24.15	237.05	--	--	--	--	--	--	--	--
6/30/09	261.20	24.12	237.08	--	--	--	--	--	--	--	--
9/12/09	261.20	27.39	233.81	--	--	--	--	--	--	--	--
12/1/09	261.20	23.73	237.47	--	--	--	--	--	--	--	--
2/23/10	261.20	NACCESSIBLE		--	--	--	--	--	--	--	--
8/21/10	261.20	24.84	236.36	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/14/11	261.20	- CAR PARKED OVER WELL				--	--	--	--	--	--
8/4/11	271.61	24.60	247.01	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
11/30/11	271.61	26.95	244.66	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-10											
5/30/96	262.57	15.58	246.99	--	--	152	ND	ND	ND	ND	--
3/26/97	262.57	11.10	251.47	--	--	232	0.8	ND	ND	ND	--
6/30/97	262.57	14.45	248.12	--	--	--	--	--	--	--	--
9/29/97	262.57	19.35	243.22	--	--	ND	ND	ND	ND	ND	--
12/29/97	262.57	15.32	247.25	--	--	--	--	--	--	--	--
3/13/98	262.57	6.72	255.85	--	--	ND	ND	ND	ND	ND	--
6/24/98	262.57	17.33	245.24	--	--	--	--	--	--	--	--
9/11/98	262.57	21.32	241.25	--	--	306	ND	ND	ND	ND	--
12/29/98	262.57	13.40	249.17	--	--	--	--	--	--	--	--
2/3/99	262.57	10.20	252.37	--	--	401	1.72	0.535	<0.5	2.76	--
4/20/99	262.57	12.73	249.84	--	--	216	<1.20	<0.5	<0.5	<1.80	--
7/15/99	262.57	17.92	244.65	--	--	214	<1.10	<0.5	<0.5	<2.00	--
11/10/99	262.57	23.09	239.48	--	--	--	--	--	--	--	--
3/8/00	262.57	13.85	248.72	--	--	524	<0.5	2.0	<0.800	<1.40	--
5/18/00	262.57	17.06	245.51	--	--	241	<0.5	<0.5	<0.5	<1.0	--
9/5/00	262.57	21.98	240.59	--	--	441	<3.34	<1.39	<2.36	9.2	<5.0
11/2/00	262.57	23.91	238.66	--	--	230	<0.592	3.04	5.03	34.2	--

SAIC

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1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-10 (cont)											
3/1/01	262.57	19.97	242.60	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
8/21/01	262.57	22.28	240.29	--	--	300	0.749	<0.500	<0.500	2.16	--
12/5/01	262.57	18.40	244.17	--	--	109	<0.500	<0.500	<0.500	1.09	--
6/26/02	262.57	17.45	245.12	<250[1]	<750[1]	220	<0.50	<1.0	0.95	<1.5	<2.5
9/29/02	262.57	22.94	239.63	--	--	420	1.6	0.65	0.72	1.9	<2.5
1/6/03	262.57	24.04	238.53	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
3/8/03	262.57	16.68	245.89	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
6/9/03	262.57	17.79	244.78	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/2/03	262.57	22.68	239.89	--	--	310	1.7	<0.5	0.5	<1.5	<2.5
12/19/03	262.57	19.80	242.77	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/29/04	262.57	16.22	246.35	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/10/04	262.57	18.20	244.37	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	262.57	23.09	239.48	--	--	240	0.6	<0.5	<0.5	<3.0	<2.5
4/22/05	262.57	17.04	245.53	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
7/8/05	262.57	18.21	244.36	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/05	262.57	21.64	240.93	--	--	190	0.9	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	262.57	15.32	247.25	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
3/15/06	262.57	15.72	246.85	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
7/2/06	262.57	17.34	245.23	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
9/28/06	262.57	23.18	239.39	--	--	180	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	262.57	22.45	240.12	--	--	140	<0.5	<0.5	<0.5	<1.5	<2.5
2/15/07	262.57	15.22	247.35	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/07	262.57	16.67	245.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/07	262.57	22.15	240.42	--	--	420	1.4	<5.0	1.6	<5.0	<2.5
11/20/07	262.57	23.96	238.61	--	--	120	<0.5	<0.5	<0.5	<1.5	<2.5
2/16/08	262.57	16.40	246.17	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/08	262.57	16.96	245.61	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	262.57	22.27	240.30	--	--	650	<2.0[6]	1.2	1.8	<5.0[6]	<2.5
12/2/08	262.57	22.41	240.16	--	--	260	<0.5	<0.5	0.5	<1.5	<2.5
3/19/09	262.57	17.10	245.47	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	262.57	17.24	245.33	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	262.57	22.03	240.54	--	--	480	1.6	0.5	0.7	1.8	<2.5
12/1/09	262.57	16.94	245.63	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	262.57	11.65	250.92	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-10 (cont)											
8/21/10	262.57	18.50	244.07	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/14/11	262.57	11.67	250.90	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/4/11	273.05	18.15	254.90	--	--	540	<2.0[9]	2.5	1.4	<4.0[9]	<2.5[9]
11/30/11	273.05	22.40	250.65	--	--	510	<2.0	0.6	1.3	2.2	<2.5
MW-15											
5/30/96	260.65	9.32	251.33	--	--	ND	ND	ND	ND	ND	--
3/26/97	260.65	3.80	256.85	ND	ND	ND	ND	ND	ND	ND	--
6/30/97	260.65	9.12	251.53	--	--	--	--	--	--	--	--
9/29/97	260.65	15.55	245.10	--	--	ND	ND	ND	ND	ND	--
12/29/97	260.65	6.28	254.37	--	--	--	--	--	--	--	--
3/13/98	260.65	2.50	258.15	--	--	ND	ND	ND	ND	ND	--
6/24/98	260.65	12.79	247.86	--	--	--	--	--	--	--	--
9/11/98	260.65	15.71	244.94	--	--	ND	ND	ND	ND	ND	--
12/29/98	260.65	4.36	256.29	--	--	--	--	--	--	--	--
2/3/99	260.65	1.84	258.81	--	--	--	--	--	--	--	--
4/20/99	260.65	3.66	256.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
7/15/99	260.65	12.54	248.11	--	--	--	--	--	--	--	--
11/10/99	260.65	18.19	242.46	--	--	--	--	--	--	--	--
3/8/00	260.65	5.19	255.46	--	--	--	--	--	--	--	--
5/18/00	260.65	10.72	249.93	--	--	<80	<0.5	<0.5	<0.5	<0.5	--
9/5/00	260.65	16.59	244.06	--	--	--	--	--	--	--	--
11/2/00	260.65	18.65	242.00	--	--	62.3	<0.500	1.07	1.58	9.78	--
3/1/01	260.65	10.40	250.25	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
8/21/01	260.65	16.29	244.36	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
12/5/01	260.65	2.03	258.62	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	--
6/26/02	260.65	11.85	248.80	--	--	--	--	--	--	--	--
9/29/02	260.65	17.18	243.47	--	--	--	--	--	--	--	--
1/6/03	260.65	15.34	245.31	--	--	--	--	--	--	--	--
3/8/03	260.65	10.53	250.12	--	--	--	--	--	--	--	--
6/9/03	260.65	10.71	249.94	--	--	--	--	--	--	--	--
9/2/03	260.65	16.78	243.87	--	--	--	--	--	--	--	--
12/19/03	260.65	10.03	250.62	--	--	--	--	--	--	--	--
3/29/04	260.65	6.04	254.61	--	--	--	--	--	--	--	--
6/10/04	260.65	14.42	246.23	--	--	--	--	--	--	--	--
9/17/04	260.65	17.42	243.23	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-16 (cont)											
6/10/04	261.14	11.63	249.51	--	--	--	--	--	--	--	--
9/17/04	261.14	17.88	243.26	--	--	--	--	--	--	--	--
4/22/05	261.14	7.43	253.71	--	--	--	--	--	--	--	--
7/8/05	261.14	11.65	249.49	--	--	--	--	--	--	--	--
9/7/05	261.14	16.54	244.60	--	--	--	--	--	--	--	--
1/4/06[4]	261.14	5.83	255.31	--	--	--	--	--	--	--	--
3/15/06	261.14	5.92	255.22	--	--	--	--	--	--	--	--
7/2/06	261.14	12.08	249.06	--	--	--	--	--	--	--	--
9/28/06	261.14	18.30	242.84	--	--	--	--	--	--	--	--
11/21/06	261.14	17.34	243.80	--	--	--	--	--	--	--	--
2/15/07	261.14	6.51	254.63	--	--	--	--	--	--	--	--
6/2/07	261.14	11.21	249.93	--	--	--	--	--	--	--	--
9/7/07	261.14	17.60	243.54	--	--	--	--	--	--	--	--
11/20/07	261.14	18.30	242.84	--	--	--	--	--	--	--	--
2/16/08	261.14	5.40	255.74	--	--	--	--	--	--	--	--
6/2/08	261.14	10.98	250.16	--	--	**3,200**	**8.4**	5.2	150	49	18
9/12/08	261.14	17.79	243.35	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	261.14	15.27	245.87	SAMPLED ANNUALLY		--	--	--	--	--	--
3/19/09	261.14	8.45	252.69	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	261.14	11.69	249.45	--	--	**6,900**	**14**	10	260	110	**58**
9/12/09	261.14	17.54	243.60	--	--	**7,000**	**8.7**	35	240	160	**25**
12/1/09	261.14	5.70	255.44	--	--	**4,800**	**12**	10	170	51	**55**
2/23/10	261.14	4.55	256.59	--	--	**4,300**	<10[6,8]	4.7	110	41	**24**
8/4/11	272.59	13.50	259.09	--	--	**5,500**	<18[9]	11	100	<56[9]	**39**
12/1/11	272.59	15.40	257.19	--	--	**6,000**	**15**	11	130	65	**52**
MW-17											
8/21/10	261.14	14.41	246.73	--	--	**5,900**	<20[6]	12	130	57	<25[6]
2/14/11	261.14	4.19	256.95	--	--	**4,100**	**6.2**	4	41	23	**33**
12/5/01	259.91	9.00	250.91	--	--	**25,600**	**173**	757	**1,040**	**4,840**	--
6/26/02	259.91	14.59	245.32	--	--	--	--	--	--	--	--
9/29/02	259.91	19.90	240.01	--	--	--	--	--	--	--	--
1/6/03	259.91	16.71	243.20	--	--	--	--	--	--	--	--
3/8/03	259.91	12.27	247.64	--	--	--	--	--	--	--	--
6/9/03	259.91	13.48	246.43	--	--	--	--	--	--	--	--
9/2/03	259.91	19.49	240.42	--	--	--	--	--	--	--	--

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TABLE 1
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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-15 (cont)											
4/22/05	260.65	37.71	222.94	--	--	--	--	--	--	--	--
7/8/05	260.65	12.38	248.27	--	--	--	--	--	--	--	--
9/7/05	260.65	15.75	244.90	--	--	--	--	--	--	--	--
1/4/06[4]	260.65	5.16	255.49	--	--	--	--	--	--	--	--
3/15/06	260.65	5.09	255.56	--	--	--	--	--	--	--	--
7/2/06	260.65	12.83	247.82	--	--	--	--	--	--	--	--
9/28/06	260.65	18.11	242.54	--	--	--	--	--	--	--	--
11/21/06	260.65	16.57	244.08	--	--	--	--	--	--	--	--
2/15/07	260.65	5.92	254.73	--	--	--	--	--	--	--	--
6/2/07	260.65	10.51	250.14	--	--	--	--	--	--	--	--
9/7/07	260.65	16.79	243.86	--	--	--	--	--	--	--	--
11/20/07	260.65	17.01	243.64	--	--	--	--	--	--	--	--
2/16/08	260.65	7.91	252.74	--	--	--	--	--	--	--	--
6/2/08	260.65	9.33	251.32	--	--	--	--	--	--	--	--
9/12/08	260.65	16.81	243.84	--	--	--	--	--	--	--	--
12/2/08	260.65	15.69	244.96	--	--	--	--	--	--	--	--
3/19/09	260.65	8.45	252.20	--	--	--	--	--	--	--	--
6/30/09	260.65	11.53	249.12	--	--	--	--	--	--	--	--
9/12/09	260.65	16.75	243.90	--	--	--	--	--	--	--	--
12/1/09	260.65	4.24	256.41	--	--	--	--	--	--	--	--
2/23/10	260.65	2.96	257.69	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	260.65	14.17	246.48	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/14/11	260.65	2.09	258.56	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/4/11	271.15	13.10	258.05	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/11	271.15	16.10	255.05	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-16											
12/5/01	261.14	3.97	257.17	--	--	**5,260**	**31.7**	35.4	444	304	--
6/26/02	261.14	14.92	246.22	--	--	--	--	--	--	--	--
9/29/02	261.14	18.59	242.55	--	--	--	--	--	--	--	--
1/6/03	261.14	12.58	248.56	--	--	--	--	--	--	--	--
3/8/03	261.14	8.03	253.11	--	--	--	--	--	--	--	--
6/9/03	261.14	9.31	251.83	--	--	--	--	--	--	--	--
9/2/03	261.14	17.59	243.55	--	--	--	--	--	--	--	--
12/19/03	261.14	7.49	253.65	--	--	--	--	--	--	--	--
3/29/04	261.14	6.71	254.43	--	--	--	--	--	--	--	--

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-17 (cont)											
12/19/03	259.91	13.18	246.73	--	--	--	--	--	--	--	--
3/29/04	259.91	9.82	250.09	--	--	--	--	--	--	--	--
6/10/04	259.91	15.84	244.07	--	--	--	--	--	--	--	--
9/17/04	259.91	19.91	240.00	--	--	--	--	--	--	--	--
4/22/05	259.91	12.03	247.88	--	--	--	--	--	--	--	--
7/8/05	259.91	15.24	244.67	--	--	--	--	--	--	--	--
9/7/05	259.91	18.46	241.45	--	--	--	--	--	--	--	--
1/4/06[4]	259.91	8.93	250.98	--	--	--	--	--	--	--	--
3/15/06	259.91	9.02	250.89	--	--	--	--	--	--	--	--
7/2/06	259.91	15.65	244.26	--	--	--	--	--	--	--	--
9/28/06	259.91	DRY	--	--	--	--	--	--	--	--	--
11/21/06	259.91	19.27	240.64	--	--	--	--	--	--	--	--
2/15/07	259.91	8.56	251.35	--	--	--	--	--	--	--	--
6/2/07	259.91	13.37	246.54	--	--	--	--	--	--	--	--
9/7/07	259.91	19.12	240.79	--	--	--	--	--	--	--	--
11/20/07	259.91	DRY	--	--	--	--	--	--	--	--	--
2/16/08	259.91	7.82	252.09	--	--	--	--	--	--	--	--
6/2/08	259.91	13.50	246.41	--	--	**7,900**	**37**	140	170	590	<100[6]
9/12/08	259.91	19.21	240.70	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	259.91	19.84	--[7]	SAMPLED ANNUALLY		--	--	--	--	--	--
3/19/09	259.91	12.15	247.76	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	259.91	ABLE TO LOCATE		--	--	--	--	--	--	--	--
9/12/09	259.91	18.75	241.16	--	--	**5,500**	**13**	56	63	320	<20[6]
12/1/09	259.91	8.37	251.54	--	--	**2,000**	**23**	18	32	91	**180**
2/23/10	259.91	5.50	254.41	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	259.91	15.98	243.93	--	--	**5,200**	**20**	59	32	470	<50[6]
2/14/11	259.91	4.74	255.17	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/4/11	273.82	15.22	258.60	--	--	**2,500**	**15**	45	78	140	**34**
12/1/11	273.82	19.85	253.97	--	--	**1,400**	**5.8**	10	24	41	18
MW-18											
12/5/01	259.72	9.69	250.03	--	--	**18,400**	**56.7**	164	**990**	**3,190**	--
6/26/02	259.72	12.59	247.13	--	--	--	--	--	--	--	--
9/29/02	259.72	DRY	--	--	--	--	--	--	--	--	--
1/6/03	259.72	DRY	--	--	--	--	--	--	--	--	--
3/8/03	259.72	DRY	--	--	--	--	--	--	--	--	--

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-18 (cont)											
6/9/03	259.72	13.88	245.84	--	--	--	--	--	--	--	--
9/2/03	259.72	DRY	--	--	--	--	--	--	--	--	--
12/19/03	259.72	17.06	242.66	--	--	--	--	--	--	--	--
3/29/04	259.72	9.86	249.86	--	--	--	--	--	--	--	--
6/10/04	259.72	DRY	--	--	--	--	--	--	--	--	--
4/22/05	259.72	13.71	246.01	--	--	--	--	--	--	--	--
7/8/05	259.72	15.86	243.86	--	--	--	--	--	--	--	--
9/7/05	259.72	DRY	--	--	--	--	--	--	--	--	--
1/4/06[4]	259.72	9.07	250.65	--	--	--	--	--	--	--	--
3/15/06	259.72	9.19	250.53	--	--	--	--	--	--	--	--
7/2/06	259.72	16.03	243.69	--	--	--	--	--	--	--	--
9/28/06	259.72	DRY	--	--	--	--	--	--	--	--	--
11/21/06	259.72	DRY	--	--	--	--	--	--	--	--	--
2/15/07	259.72	8.72	251.00	--	--	--	--	--	--	--	--
6/2/07	259.72	13.75	245.97	--	--	--	--	--	--	--	--
9/7/07	259.72	DRY	--	--	--	--	--	--	--	--	--
11/20/07	259.72	DRY	--	--	--	--	--	--	--	--	--
2/16/08	259.72	8.38	251.34	--	--	--	--	--	--	--	--
6/2/08	259.72	13.98	245.74	--	--	**25,000**	<60[7]	120	**870**	**1,800**	**200**
9/12/08	259.72	18.95	--[7]	SAMPLED ANNUALLY		--	--	--	--	--	--
12/2/08	259.72	DRY	--	--	--	--	--	--	--	--	--
3/19/09	259.72	12.67	247.05	SAMPLED ANNUALLY		--	--	--	--	--	--
6/30/09	259.72	13.56	246.16	--	--	**24,000**	**60**	130	**1,200**	**2,300**	**290**
9/12/09	259.72	DRY	--	--	--	--	--	--	--	--	--
12/1/09	259.72	8.85	250.87	--	--	**20,000**	**53**	100	**920**	**1,400**	**270**
2/23/10	259.72	6.28	253.44	--	--	**15,000**	<30[6]	52	590	790	**150**
8/21/10	259.72	16.29	243.43	--	--	**21,000**	<100[6]	97	**820**	**1,300**	<150[6]
2/14/11	259.72	6.98	252.74	--	--	**15,000**	**26**	58	**760**	850	**210**
8/4/11	274.01	15.23	258.78	--	--	**19,000**	**58**	100	**870**	**1,200**	**180**
11/30/11	274.01	DRY	--	--	--	--	--	--	--	--	--
MW-19											
8/4/11	274.52	16.47	258.05	--	--	**1,700**	**5.7**	1.8	3.0	7.4	4.6
12/1/11	274.52	20.40	254.12	--	--	**1,700**	**5.4**	1.8	3.3	5.4	11
MW-20											
8/4/11	273.82	16.53	257.29	--	--	**14,000**	**570**	370	410	**1,600**	**250**
12/1/11	273.82	20.70	253.12	--	--	**7,900**	**350**	190	130	710	260

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-21											
8/4/11	273.06	13.75	259.31	--	--	700	**11**	<0.5	1.6	<1.5	<2.5
12/1/11	273.06	15.70	257.36	--	--	760	**17**	0.9	6.6	2.2	**33**
MW-22											
8/4/11	272.60	13.54	259.06	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/11	272.60	16.05	256.55	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
MW-23											
8/4/11	274.48	16.75	257.73	--	--	96	3.3	<0.5	<0.5	<1.5	<2.5
12/1/11	274.48	19.60	254.88	--	--	62	<0.5	<0.5	<0.5	<1.5	<2.5
MW-1											
12/21/93	263.10	21.28	241.82	ND	--	ND	ND	ND	ND	ND	--
3/7/95	263.10	9.36	253.74	--	--	80	**76.7**	1	1	3	
8/4/95	263.10	19.57	243.53			80	**116**	2	3	3	
3/25/96	263.10	11.55	251.55	ND	--	ND	0.9	ND	ND	1.4	--
5/30/96	263.10	14.78	248.32	--	--	104	**57.9**	1.29	ND	1.65	--
6/13/96	263.10	13.25	249.85	--	--	ND	**7.9**	0.7	ND	ND	--
9/26/96	263.10	21.7	241.40	--	--	237	**126.0**	3.0	1.3	3.6	--
12/18/96	263.10	9	254.10	--	--	218	**32.5**	1.2	ND	1.3	--
3/26/97	263.10	7.75	255.35	--	--	77	**11**	0.7	ND	1.4	--
6/30/97	263.10	15.155	247.95	--	--	268	**110**	4.05	ND	5.73	--
9/29/97	263.10	20.2	242.90	--	--	304	**85**	3.72	ND	ND	--
12/29/97	263.10	12.42	250.68	--	--	151	**72**	1.8	0.771	1.00	--
3/13/98	263.10	5.15	257.95	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.10	14.94	248.16	--	--	ND	ND	ND	ND	ND	--
9/11/98	263.10	18.42	244.68	--	--	ND	2.7	ND	ND	1.07	--
12/29/98	263.10	10.5	252.60	--	--	ND	3.43	ND	ND	ND	--
2/3/99	263.10	4.62	258.48	--	--	168	**67.5**	<2.00	<1.00	3.07	--
4/20/99	263.10	8.35	254.75	--	--	129	**90.8**	<1.12	<1.00	<3.20	--
7/15/99	263.10	15.06	248.04	--	--	145	**61.6**	1.35	0.668	1.98	--
11/10/99	263.10	20.54	242.56	--	--	--	--	--	--	--	--
3/8/00	263.10	8.02	255.08	--	--	441	**46.6**	<1.40	<0.650	2.38	--
5/18/00	263.10	13.13	249.97	--	--	438	**74.3**	1.81	0.89	2.26	--
9/5/00	263.10	19.01	244.09	--	--	682	**69.5**	4.73	6.14	33.0	<0.5
11/2/00	263.10	21.12	241.98	--	--	**2,540**	**79.4**	22.8	40.6	244	--
3/1/01	263.10	13.27	249.83	--	--	173	**30.8**	1.25	1.46	10.4	--
ABANDONED/DESTROYED[2]											

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-2											
12/21/93	263.35	22.68	240.67	ND	--	**3,300**	**170**	160	180	540	--
3/7/95	263.35	11.07	252.28	--	--	**11,500**	**209**	615	609	**1,960**	
8/4/95	263.35	20.94	242.41			**27,000**	**91.6**	**1,120**	**1,060**	**3,300**	
3/25/96	263.35	13.2	250.15	--	--	--	--	--	--	--	--
5/30/96	263.35	15.32	248.03	--	--	**16,800**	**196**	841	**781**	**2,560**	--
6/13/96	263.35	14.72	248.63	--	--	**8,980**	**196**	586	478	**1,460**	--
9/26/96	263.35	19.1	244.25	--	--	--	--	--	--	--	--
12/18/96	263.35	11.66	251.69	--	--	**17,600**	**64.6**	896	**703**	**3,240**	--
3/26/97	263.35	9.73	253.62	--	--	--	--	--	--	--	--
6/30/97	263.35	15.85	247.50	--	--	--	--	--	--	--	--
9/29/97	263.35	21.8	241.55	--	--	**23,000**	**74.5**	854	**852**	**3,750**	--
12/29/97	263.35	15.38	247.97	--	--	--	--	--	--	--	--
3/13/98	263.35	6.78	256.57	--	--	--	--	--	--	--	--
6/24/98	263.35	10.7	252.65	--	--	--	--	--	--	--	--
9/11/98	263.35	19.4	243.95	--	--	**5,410**	**175**	212	316	618	--
12/29/98	263.35	11.54	251.81	--	--	--	--	--	--	--	--
2/3/99	263.35	5	258.35	--	--	**8,450**	**164**	394	408	994	--
4/20/99	263.35	9.95	253.40	--	--	**10,200**	**193**	572	587	**1,410**	--
7/15/99	263.35	15.95	247.40	--	--	**1,570**	**123**	118	139	234	--
11/10/99	263.35	21.47	241.88	--	--	**14,700**	**219**	714	**826**	**1,950**	--
3/8/00	263.35	9.4	253.95	--	--	**8,810**	**194**	493	549	**1,070**	--
5/18/00	263.35	13.55	249.80	--	--	**5,120**	**182**	228	372	641	--
9/5/00	263.35	19.76	243.59	--	--	**1,990**	**149**	68.9	206	227	<50
11/2/00	263.35	22.14	241.21	--	--	--	--	--	--	--	--
3/1/01	263.35	16.48	246.87	--	--	**2,040**	**103**	82.0	162	250	<1.00
ABANDONED/DESTROYED[2]											
MW-3											
12/21/93	263.72	24.44	239.28	820	--	**42,000**	**460**	**1,100**	**2,600**	**6,700**	--
3/7/95	263.72	13.31	250.41	--	--	**35,000**	**1,130**	**2,200**	**830**	**4,750**	
8/4/95	263.72	22.12	241.60			**40,000**	**1,300**	**2,100**	**1,000**	**4,800**	
3/25/96	263.72	14.67	249.05	1500	--	**33,000**	**990**	**1,800**	**950**	**4,800**	--
5/30/96	263.72	17.37	246.35	--	--	**28,600**	**867**	**2,180**	**1,000**	**5,270**	--
6/13/96	263.72	15.98	247.74	--	--	**24,500**	**562**	**2,180**	**867**	**4,870**	--

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-3 (cont)											
9/26/96	263.72	20.85	242.87	--	--	41,100	751	2,350	1,240	6,920	--
12/18/96	263.72	14.4	249.32	--	--	18,600	215	1,390	559	4,390	--
3/26/97	263.72	11	252.72	--	--	32,000	793	1,900	1,000	5,330	--
6/30/97	263.72	17	246.72	--	--	36,100	316	2,040	1,190	6,430	--
9/29/97	263.72	21.98	241.74	--	--	34,300	171	1,800	1,190	6,880	--
12/29/97	263.72	17.32	246.40	--	--	25,500	130	1,380	711	5,530	--
3/13/98	263.72	7.2	256.52	--	--	3,400	906	2,160	1,240	6,480	--
6/24/98	263.72	13.01	250.71	--	--	38,400	341	1,790	1,120	6,570	--
9/11/98	263.72	20.05	243.67	--	--	28,100	280	1,490	959	5,580	--
12/29/98	263.72	15.4	248.32	--	--	19,200	121	694	244	5,130	--
2/3/99	263.72	7.85	255.87	--	--	30,600	554	1,460	830	5,770	--
4/20/99	263.72	11.26	252.46	--	--	25,700	783	1,650	1,020	5,370	--
7/15/99	263.72	16.23	247.49	--	--	19,800	490	997	616	2,960	--
11/10/99	263.72	21.64	242.08	--	--	--	--	--	--	--	--
3/8/00	263.72	11.34	252.38	--	--	30,700	809	1,520	1,220	5,750	--
5/18/00	263.72	14.76	248.96	--	--	26,700	789	1,380	994	4,850	--
9/5/00	263.72	20.42	243.30	--	--	36,600	654	1,320	1,170	5,870	<250
11/2/00	263.72	22.79	240.93	--	--	--	--	--	--	--	--
3/1/01	263.72	20.22	243.50	--	--	32,400	333	1,650	1,340	7,700	<1.00
ABANDONED/DESTROYED[2]											
MW-4											
3/7/95	264.54	6.56	257.98	--	--	ND	ND	ND	ND	ND	
8/4/95	264.54	16.46	248.08			ND	ND	ND	ND	ND	
3/25/96	264.54	--	--	--	--	--	--	--	--	--	--
5/30/96	264.54	11.36	253.18	--	--	ND	ND	ND	ND	ND	--
6/13/96	264.54	9.61	254.93	--	--	ND	ND	ND	ND	ND	--
9/26/96	264.54	17.9	246.64	--	--	ND	ND	ND	ND	ND	--
12/18/96	264.54	5.9	258.64	--	--	ND	ND	ND	ND	ND	--
3/26/97	264.54	4.45	260.09	--	--	--	--	--	--	--	--
6/30/97	264.54	10.65	253.89	--	--	--	--	--	--	--	--
9/29/97	264.54	16.25	248.29	--	--	ND	ND	ND	ND	ND	--
12/29/97	264.54	9.21	255.33	--	--	--	--	--	--	--	--
3/13/98	264.54	5.43	259.11	--	--	--	--	--	--	--	--
6/24/98	264.54	14.64	249.90	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-4 (cont)											
9/11/98	264.54	16.49	248.05	--	--	ND	ND	ND	ND	ND	--
12/29/98	264.54	7.29	257.25	--	--	--	--	--	--	--	--
2/3/99	264.54	3.88	260.66	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
4/20/99	264.54	9.24	255.30	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	264.54	14.54	250.00	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
11/10/99	264.54	20.08	244.46	--	--	--	--	--	--	--	--
3/8/00	264.54	7.68	256.86	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
5/18/00	264.54	12.42	252.12	--	--	<80	<0.5	<0.5	<0.5	<1.0	--
9/5/00	264.54	DRY	--	--	--	--	--	--	--	--	--
11/2/00	264.54	20.65	243.89	--	--	<50	<0.500	<0.500	<0.500	<1.00	--
3/1/01	264.54	12.53		--	--	<50	<0.500	<0.500	<0.500	<1.00	--
ABANDONED/DESTROYED[2]											
MW-5											
3/7/95	263.27	26.19	237.08	--	--	**9,000**	**427**	212	291	**1,020**	
8/4/95	263.27	32.13	231.14			730	**13.2**	<5	7	4	
3/25/96	263.27	26.11	237.16	690	--	**11,000**	**610**	280	280	**1,200**	--
5/30/96	263.27	28.62	234.65	--	--	**18,300**	**870**	349	484	**1,360**	--
6/13/96	263.27	27.5	235.77	--	--	**4,150**	**204**	59.0	15.4	356	--
9/26/96	263.27	32.9	230.37	--	--	**1,310**	**62.8**	24.9	36.7	104	--
12/18/96	263.27	30.9	232.37	--	--	ND	0.9	ND	ND	ND	--
3/26/97	263.27	20.91	242.36	--	--	ND	ND	ND	ND	ND	--
6/30/97	263.27	28.55	234.72	--	--	**3,630**	**128**	70.9	27.0	261	--
9/29/97	263.27	32.35	230.92	--	--	ND	ND	ND	ND	ND	--
12/29/97	263.27	30.8	232.47	--	--	ND	ND	ND	ND	ND	--
3/13/98	263.27	25.12	238.15	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.27	30.37	232.90	--	--	ND	ND	ND	ND	ND	--
9/11/98	263.27	33.35	229.92	--	--	ND	ND	ND	ND	ND	--
12/29/98	263.27	28.88	234.39	--	--	ND	ND	ND	ND	ND	--
2/3/99	263.27	24.17	239.10	--	--	**8,480**	**275**	183	312	868	--
4/20/99	263.27	26.67	236.60	--	--	**6,250**	**289**	165	220	726	--
7/15/99	263.27	31.72	231.55	--	--	**6,070**	**309**	169	144	772	--
11/10/99	263.27	34.61	228.66	--	--	--	--	--	--	--	--
3/8/00	263.27	28.22	235.05	--	--	**8,630**	**200**	118	220	570	--
5/18/00	263.27	30.23	233.04	--	--	**7,320**	**216**	143	180	650	--

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-5 (cont)											
9/5/00	263.27	DRY	--	--	--	--	--	--	--	--	--
11/2/00	263.27	35.78	227.49	--	--	**4,850**	**148**	87.7	172	569	--
3/1/01	263.27	35.89	227.38	--	--	**1,430**	**27.4**	15.9	15.5	107	--
8/21/01	263.27	35.77	227.50	--	--	**2,530**	**51.4**	33.4	76.9	224	--
12/5/01	263.27	35.72	227.55	--	--	**2,560**	**59.7**	51.7	89.4	349	--
6/26/02	263.27	31.05	232.22	<250[1]	<750[1]	99	4.0	1.5	3.0	5.6	<2.5
9/29/02	263.27	35.05	228.22	--	--	280	**8.1**	4.1	9.3	14	<2.5
1/6/03	263.27	36.61	226.66	--	--	**910**	**19**	10	19	31	<10
3/8/03	263.27	33.69	229.58	--	--	**1,100**	**18**	16	43	82	<20
6/9/03	263.27	31.75	231.52	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/2/03	263.27	35.33	227.94	--	--	380	**7.6**	4.8	12	23	<2.5
12/19/03	263.27	36.35	226.92	--	--	240	**7.3**	2.0	2.6	6.0	<2.5
3/29/04	263.27	30.22	233.05	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/10/04	263.27	32.70	230.57	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	263.27	35.88	227.39	--	--	790	**18**	9.5	27	43	<20
4/22/05	263.27	33.25	230.02	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
ABANDONED											
MW-6											
5/30/96	263.72	25.41	238.31	--	--	ND	ND	ND	ND	ND	--
3/26/97	263.75	16.73	247.02	--	--	ND	ND	ND	ND	ND	--
6/30/97	263.75	25.80	237.95	--	--	--	--	--	--	--	--
9/29/97	263.75	29.43	234.32	--	--	62.5	ND	ND	ND	ND	--
12/29/97	263.75	28.07	235.68	--	--	--	--	--	--	--	--
3/13/98	263.75	21.10	242.65	--	--	ND	ND	ND	ND	ND	--
6/24/98	263.75	27.52	236.23	--	--	--	--	--	--	--	--
9/11/98	263.75	30.29	233.46	--	--	59.4	ND	ND	ND	ND	--
12/29/98	263.75	26.15	237.60	--	--	--	--	--	--	--	--
2/3/99	263.75	18.67	245.08	--	--	--	--	--	--	--	--
4/20/99	263.75	23.09	240.66	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	263.75	27.06	236.69	--	--	--	--	--	--	--	--
11/10/99	263.75	31.30	232.45	--	--	--	--	--	--	--	--
3/8/00	263.75	--	--	--	--	--	--	--	--	--	--
5/18/00	263.75	27.56	236.19	--	--	93.8	0.65	<0.5	<0.5	<1.0	--
9/5/00	263.75	--	--	--	--	--	--	--	--	--	--

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1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-6 (cont)											
11/2/00	263.75	--	--	--	--	--	--	--	--	--	--
3/1/01	263.75	31.58	232.17	--	--	--	--	--	--	--	--
8/21/01	263.75	31.81	231.94	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
12/5/01	263.75	--	--	--	--	--	--	--	--	--	--
6/26/02	263.75	LOCATE - PAVED OVER			--	--	--	--	--	--	--
9/29/02	263.75	LOCATE - PAVED OVER			--	--	--	--	--	--	--
1/6/03	263.75	LOCATE - PAVED OVER			--	--	--	--	--	--	--
3/8/03	263.75	LOCATE - PAVED OVER			--	--	--	--	--	--	--
6/9/03	263.75	LOCATE - PAVED OVER			--	--	--	--	--	--	--
PAVED OVER											
MW-7											
3/7/95	217.60	2.03	215.57	--	--	ND	ND	ND	ND	ND	--
8/4/95	217.60	--	--	--	--	--	--	--	--	--	--
3/25/96	217.60	1.95	215.65	ND	--	ND	ND	ND	ND	ND	--
5/30/96	263.72	2.45	261.27	--	--	ND	ND	ND	ND	ND	--
6/13/96	217.60	2.27	215.33	--	--	--	--	--	--	--	--
9/26/96	217.60	3.40	214.20	--	--	ND	ND	ND	ND	ND	--
12/18/96	217.60	2.10	215.50	--	--	--	--	--	--	--	--
3/26/97	217.60	1.45	216.15	--	--	ND	ND	ND	ND	ND	--
6/30/97	217.60	2.25	215.35	--	--	--	--	--	--	--	--
9/29/97	217.60	3.00	214.60	--	--	ND	ND	ND	ND	ND	--
12/29/97	217.60	2.11	215.49	--	--	--	--	--	--	--	--
3/13/98	217.60	1.70	215.90	--	--	ND	ND	ND	ND	ND	--
6/24/98	217.60	2.61	214.99	--	--	--	--	--	--	--	--
9/11/98	217.60	4.45	213.15	--	--	ND	0.756	ND	ND	1.78	--
12/29/98	217.60	2.05	215.55	--	--	--	--	--	--	--	--
2/3/99	217.60	1.21	216.39	--	--	--	--	--	--	--	--
4/20/99	217.60	--	--	--	--	--	--	--	--	--	--
7/15/99	217.60	--	--	--	--	--	--	--	--	--	--
6/26/02	217.60	UNABLE TO LOCATE - OVERGROWN VEGETATION				--	--	--	--	--	--
9/29/02	217.60	UNABLE TO LOCATE - OVERGROWN VEGETATION				--	--	--	--	--	--
ABANDONED/DESTROYED[2]											

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-11											
5/30/96		27.76	--	--	--	180	**8.34**	6.23	3.87	24	--
2/3/99	--	11.10	--	ND	ND	<50	<0.5	<0.5	<0.5	<1.0	--
4/20/99	--	25.54	--	--	--	<50	<0.5	<0.5	<0.5	<1.0	--
7/15/99	--	30.34	--	--	--	--	--	--	--	--	--
11/10/99	--	DRY	--	--	--	--	--	--	--	--	--
3/8/00	--	27.29	--	--	--	--	--	--	--	--	--
5/18/00	--	29.78	--	--	--	<80	<0.5	<0.5	<0.5	<1.0	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--
3/1/01	--	DRY	--	--	--	--	--	--	--	--	--
8/21/01	--	DRY	--	--	--	--	--	--	--	--	--
12/5/01	--	DRY	--	--	--	--	--	--	--	--	--
6/26/02	--	30.49	--	--	--	--	--	--	--	--	--
9/29/02	--	DRY	--	--	--	--	--	--	--	--	--
1/6/03	--	DRY	--	--	--	--	--	--	--	--	--
3/8/03	--	30.37	--	--	--	--	--	--	--	--	--
6/9/03	--	30.44	--	--	--	--	--	--	--	--	--
9/2/03	--	DRY	--	--	--	--	--	--	--	--	--
12/19/03	--	DRY	--	--	--	--	--	--	--	--	--
3/29/04	--	30.41	--	--	--	--	--	--	--	--	--
6/10/04	--	30.92	--	--	--	--	--	--	--	--	--
9/17/04	--	DRY	--	--	--	--	--	--	--	--	--
4/22/05	--	30.32	--	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
ABANDONED											
MW-12											
5/30/96	--	DRY	--	--	--	--	--	--	--	--	--
2/3/99	--	--	--	--	--	--	--	--	--	--	--
4/20/99	--	--	--	--	--	--	--	--	--	--	--
7/15/99	--	DRY	--	--	--	--	--	--	--	--	--
11/10/99	--	DRY	--	--	--	--	--	--	--	--	--
3/8/00	--	DRY	--	--	--	--	--	--	--	--	--
5/18/00	--	DRY	--	--	--	--	--	--	--	--	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--

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TABLE 1
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1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-12 (cont)											
3/1/01	--	DRY	--	--	--	--	--	--	--	--	--
8/21/01	--	DRY	--	--	--	--	--	--	--	--	--
12/5/01	--	DRY	--	--	--	--	--	--	--	--	--
6/26/02	--	DRY/OBSTRUCTED AT 14.55 FEET			--	--	--	--	--	--	--
ABANDONED											
MW-13											
5/30/96	--	13.26	--	--	--	**26,700**	**298**	718	520	**4,900**	--
2/3/99	--	--	--	--	--	**31,800**	**506**	**1,500**	229	**6,500**	--
4/20/99	--	10.33	--	--	--	**31,700**	**659**	**1,850**	**1,100**	**7,260**	--
7/15/99	--	15.46	--	--	--	--	--	--	--	--	--
11/10/99	--	21.78	--	--	--	--	--	--	--		--
3/8/00	--	9.87	--	--	--	**29,300**	**386**	**1,700**	**1,300**	**6,840**	--
5/18/00	--	13.64	--	--	--	**38,200**	**524**	**1,590**	**1,130**	**6,620**	--
9/5/00	--	19.98	--	--	--	**40,400**	**476**	**1,920**	**1,420**	**8,520**	<500
11/2/00	--	22.70	--	--	--	--	--	--	--	--	--
3/1/01	--	18.11	--	--	--	**35,400**	**456**	**1,460**	559	**8,820**	<1.00
8/21/01	--	--	--	--	--	--	--	--	--	--	--
12/5/01	--	--	--	--	--	--	--	--	--	--	--
ABANDONED/DESTROYED[2]											
MW-14											
5/30/96	--	12.67	--	--	--	**39,800**	**704**	**2,990**	**854**	7,050	--
2/3/99	--	--	--	--	--	279	<0.5	0.582	2.05	9.876	--
4/20/99	--	9.51	--	--	--	547	<1.1	<4.10	19.5	23.1	--
7/15/99	--	DRY	--	--	--	--	--	--	--	--	--
11/10/99	--	14.35	--	--	--	--	--	--	--		--
3/8/00	--	8.26	--	--	--	**1,150**	<0.550	4.05	22.8	<10.5	--
5/18/00	--	13.16	--	--	--	**34,900**	**449**	**1,530**	**1,080**	**6,200**	--
9/5/00	--	DRY	--	--	--	--	--	--	--	--	--
11/2/00	--	DRY	--	--	--	--	--	--	--	--	--
3/1/01	--	14.18	--	--	--	**6,110**	<30.8	103	225	579	--
ABANDONED/DESTROYED[2]											
VEW-1											
3/7/95	263.17	7.70	255.47	--	--	**44,000**	**953**	**2,030**	**1,050**	**7,700**	--
8/4/95	263.17	17.68	245.49			**53,000**	**1,020**	**1,900**	**1,320**	**7,100**	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
VEW-1 (cont)											
3/25/96	263.17	9.75	253.42	--	--	--	--	--	--	--	--
5/30/96	263.17	12.87	250.30	--	--	853,000	544	1,350	1,680	8,960	--
6/13/96	263.17	11.69	251.48	--	--	25,800	702	2,820	669	5,060	--
9/26/96	263.17	19.10	244.07	--	--	--	--	--	--	--	--
12/18/96	263.17	8.00	255.17	--	--	43,800	646	1,420	1,300	7,320	--
3/26/97	263.17	5.55	257.62	--	--	35,000	458	1,070	1,120	5,610	--
6/30/97	263.17	12.42	250.75	--	--	429,000	506	1,230	1,280	5,890	--
9/29/97	263.17	18.03	245.14	--	--	--	--	--	--	--	--
12/29/97	263.17	12.15	251.02	--	--	39,900	698	1,580	1,550	8,450	--
3/13/98	263.17	6.95	256.22	--	--	48,000	507	1,310	1,310	7,250	--
6/24/98	263.17	--	--	--	--	--	--	--	--	--	--
9/11/98	263.17	19.37	243.80	--	--	--	--	--	--	--	--
12/29/98	263.17	10.23	252.94	--	--	23,300	242	653	953	4,050	--
2/3/99	263.17	5.13	258.04	--	--	--	--	--	--	--	--
4/20/99	263.17	9.73	253.44	--	--	26,700	362	994	980	5,460	--
7/15/99	263.17	15.89	247.28	--	--	52,300	517	1,160	1,180	6,460	--
11/10/99	263.17	DRY	--	--	--	--	--	--	--	--	--
3/8/00	263.17	9.02	254.15	--	--	27,700	214	800	1,210	5,700	--
5/18/00	263.17	14.12	249.05	--	--	35,700	365	1,040	1,140	6,450	--
9/5/00	263.17	DRY	--	--	--	--	--	--	--	--	--
11/2/00	263.17	DRY	--	--	--	--	--	--	--	--	--
3/1/01	263.17	15.50	247.67	--	--	705,000	954	3,280	4,700	33,300	--
8/21/01	263.17	19.54	243.63	--	--	193,000	734	3,080	3,310	17,600	--
12/5/01	263.17	9.38	253.79	--	--	38,800	440	1,760	1,360	8,590	--
ABANDONED/DESTROYED[2]											
VEW-2											
3/7/95	263.02	6.28	256.74	--	--	25,500	<10	858	997	4,800	--
8/4/95	263.02	16.53	246.49	--	--	33,000	28	730	680	3,400	--
3/25/96	263.02	8.55	254.47	--	--	--	--	--	--	--	--
5/30/96	263.02	11.52	251.50	--	--	26,000	79.7	468	678	3,510	--
6/13/96	263.02	9.51	253.51	--	--	--	--	--	--	--	--
9/26/96	263.02	18.25	244.77	--	--	--	--	--	--	--	--
12/18/96	263.02	5.90	257.12	--	--	--	--	--	--	--	--
3/26/97	263.02	--	--	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
VEW-2 (cont)											
6/30/97	263.02	17.25	245.77	--	--	--	--	--	--	--	--
9/29/97	263.02	--	--	--	--	--	--	--	--	--	--
12/29/97	263.02	--	--	--	--	--	--	--	--	--	--
3/13/98	263.02	--	--	--	--	--	--	--	--	--	--
6/24/98	263.02	--	--	--	--	--	--	--	--	--	--
9/11/98	263.02	--	--	--	--	--	--	--	--	--	--
12/29/98	263.02	--	--	--	--	--	--	--	--	--	--
2/3/99	263.02	4.15	258.87	--	--	--	--	--	--	--	--
4/20/99	263.02	8.60	254.42	--	--	**17,300**	<60	311	392	**2,700**	--
7/15/99	263.02	14.65	248.37	--	--	**26,500**	**78.5**	410	601	**3,490**	--
11/10/99	263.02	DRY	--	--	--	--	--	--	--	--	--
3/8/00	263.02	7.77	255.25	--	--	**19,500**	<10.0	201	286	**1,970**	--
5/18/00	263.02	12.56	250.46	--	--	**19,800**	**21.6**	309	320	**2,980**	--
9/5/00	263.02	19.06	243.96	--	--	--	--	--	--	--	--
11/2/00	263.02	DRY	--	--	--	--	--	--	--	--	--
3/1/01	263.02	13.20		--	--	**28,300**	<85.0	531	**808**	**4,070**	--
ABANDONED/DESTROYED[2]											
TRIP BLANK											
QA											
6/26/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
9/29/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
1/6/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
3/8/03[3]	--	--	--	--	--	--	--	--	--	--	--
6/9/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/2/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/19/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/29/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/10/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/17/04	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
4/22/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
7/8/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/05	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
1/4/06[4]	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
3/15/06[5]	--	--	--	--	--	--	--	--	--	--	--

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1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

Well ID/ Date	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO	TPH-HRO	TPH-GRO	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
QA (cont)											
7/2/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
9/28/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
11/21/06	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
2/15/07	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/7/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
11/20/07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/16/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/2/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/2/08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
3/19/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
6/30/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
9/12/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
12/1/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/23/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/21/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/14/11	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
8/4/11	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
11/30/11	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
Standard Laboratory Reporting Limits:				--	--	50	0.5	0.5	0.5	1.5	2.5
MTCA Method A CULs:				500	500	800/1,000	5	1,000	700	1,000	20
Current Method:				NWTPH-Dx + Extended		NWTPH-Gx and EPA 8260					

EXPLANATIONS:

Historical data has been requested, but electronic file has not yet been received.

Analytical results in bold font indicate concentrations exceed MTCA Method A CULs.

CULs = Cleanup levels
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean Sea Level
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
QA = Quality Assurance/Trip Blank
QC = Quality control
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as diesel-range organics
TPH-GRO = TPH as gasoline-range organics
TPH-HRO = TPH as heavy oil-range organics
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

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FORMER TEXACO SERVICE STATION NO. 21-1558
1366 31st Avenue South
Seattle, Washington
Concentrations reported in µg/L

EXPLANATIONS (cont.):

* Prior to 8/4/11 TOC elevations have been surveyed in feet relative to msl. Wells were surveyed on 8/1/11 by GeoDimensions of Bellevue, WA. The coordinates are on Washington State Plane Coordinated NAD83 and the elevations are NAVD88. Groundwater elevations are relative to benchmark with elevation of 273.28 feet.

1 Analyzed with silica-gel cleanup.
2 Reported as ABANDONED/DESTROYED because confirmation has not yet been received.
3 Analysis was not performed as requested on the chain of custody.
4 Due to a scheduling error, monitoring and sampling was performed in 2006 but reflects the 4th quarter 2005 event.
5 Samples were not received by laboratory.
6 Laboratory report indicates due to the presence of an interferent near its retention time, the normal reporting limit was not attained for this compound. The presence or concentration of this compound cannot be determined due to the presence of this interferent.
7 Insufficient water to determine GWE.
8 Laboratory report indicates the reporting limits were raised. See individual report for details.
9 Laboratory report indicates that reporting limits were raised due to interference from the sample matrix.

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REPORT OF PERMANENT UST DECOMMISSIONING AND CLOSURE AT THE BARRET PROPERTY 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON

Fluor Daniel GTI Project 106580

October 14, 1998

Prepared for:

Robert Walker
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Submitted by:
Fluor Daniel GTI, Inc.

Chris Storey
Associate Engineer

Approved by:
Fluor Daniel GTI, Inc.

Stanley C. Haskins, R.G.
Project Manager

EXECUTIVE SUMMARY

Fluor Daniel GTI, Inc. was contracted to observe decommissioning of three (3) steel underground storage tanks (USTs) and ancillary piping at the Barret Property located at 416 Rainier Avenue South in Seattle, Washington.

Observations and findings:

- The three steel USTs, two 3,000-gallon and one 1,000 gallon, appeared to be intact and in good condition, except for the 1,000-gallon tank on the north end of the property which showed evidence of rusting and pitting.
- Forty-seven soil samples collected from the tank pit excavation extents, below the dispensers, and from the soil excavated from the tank pit were analyzed for benzene, toluene, ethyl-benzene, total xylenes (BTEX), total phase hydrocarbons-as-gasoline (TPH-G), total phase hydrocarbons-as-diesel (TPH-D), and total phase hydrocarbons-as-oil (TPH-O) concentrations. Benzene concentrations were reported to exceed the Washington State Department of Ecology (WDOE) Method A Compliance Cleanup Levels [CCL(a)s] in soil samples DISP-3B and SP-2E at concentrations of 0.56 milligrams per kilogram (mg/kg) and 0.55 mg/kg. TPH-G concentrations were reported to exceed the CCL(a) in soil samples SP-2A, SW-2, TPB-1, TPB-4, DISP-3A, SW-6, SP-2E, SWB-N, SWB-N1, and OX-1 at concentrations ranging between 120 mg/kg, 3,800 mg/kg. TPH-D concentrations were reported to exceed the CCL(a) in soil samples DISP-3B and DISP-3C at concentrations of 3,700 mg/kg and 1,400 mg/kg, respectively.
- One groundwater sample (TP-2W) was collected from the north tank pit, which was approximately eight feet deep and contained approximately one foot of standing water. TP-2W was analyzed for BTEX, TPH-G, TPH-D, and TPH-O. Benzene and TPH-G concentrations were reported above the CCL(a)s in sample TP-2W at concentrations of 13.4 micrograms per liter (ug/L) and 2,500 ug/L, respectively. TPH-D and TPH-O were not detected at the method detection limits.
- Approximately 400 cubic yards of soil was excavated from the site and transported to TPS Technologies of Tacoma, WA.
- Soil exceeding the CCL(a) for TPH-G was left in place along the west sidewall, beneath the sidewalk adjacent to Rainier Avenue South.

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1.0 INTRODUCTION/BACKGROUND

Fluor Daniel GTI was contracted by Joe Hall Construction (Joe Hall) to observe and document the permanent closure of two 3,000-gallon and one 1,000-gallon steel underground storage tanks (USTs) at the Barret Property located at 416 Rainier Avenue South, Seattle, Washington (Figure 1). Tank decommissioning and removal were performed by Joe Hall of Fife, Washington. Soil samples were collected by Fluor Daniel GTI personnel and analyzed by a mobile laboratory operated by Transglobal Environmental Geosciensces Northwest Inc. (TEG) of Lacey, Washington, and by North Creek Analytical of Bothell, Washington. The UST system closure was conducted in accordance with Washington Department of Ecology (WDOE) UST Site Check Assessment Guidelines (WAC 173-360).

1.1 Work Scope

The following outline summarizes the specific work steps involved.

- Observed and documented the removal of two 3,000-gallon and one 1,000-gallon steel USTs and ancillary piping.
- Collected soil samples from the excavations and analyzed selected samples for benzene, toluene, ethyl-benzene, total xylenes (BTEX), total petroleum hydrocarbons-as-gasoline (TPH-G), total petroleum hydrocarbons-as-diesel (TPH-D), and total petroleum hydrocarbons-as-oil (TPH-O) concentrations.
- Collected and analyzed one water sample for BTEX, TPH-G, TPH-D, and TPH-O.
- Excavated and transported approximately 400 cubic yards of petroleum contaminated soil (PCS) to TPS Technologies of Tacoma, Washington.
- Prepared this report which summarizes the work performed, including results and findings.

1.2 Background

The site is located in a mixed residential and commercial area in Seattle, Washington, east of Rainier Avenue South and north of King Street. The site is situated in the northwest quarter of the northwest quarter of Section 4, Township 24 North, Range 4 East. Topographically, the site slopes to the south. The site was a former gas station. Historically, leaded gasolines were stored in the two 3,000- gallon USTs located west of the building and dispensed from islands located north and south of the USTs (Figure 2). Kerosene was stored in the 1,000-gallon UST located on the north end of the site and dispensed from the island to the west (Figure 2).

2.0 UNDERGROUND STORAGE SYSTEM DECOMMISSIONING

On August 18, 1998, Sound Testing of Seattle, Washington, inerted the USTs with carbon dioxide in preparation for removal. The two 3,000-gallon steel USTs appeared to be in good condition prior to removal. The 1,000-gallon steel UST showed signs of rusting and pitting on the southern end of the tank, but no holes were observed. On August 18, the USTs were removed and transported to General Metals of Tacoma, Washington for disposal. Fluor Daniel GTI personnel observed and documented the decommissioning by removal of the UST system by Joe Hall. The WDOE UST Closure and Site Assessment Notice is included in Appendix A.

During the removal of the USTs and the subgrade equipment, excavated soil was screened using a field photo-ionization detector (PID) calibrated to an isobutylene gas standard. Selected soil samples were placed in sealed plastic bags and allowed to volatilize for ten minutes prior to measuring the concentration of volatile organics in the sample headspace. Soil samples were collected at the excavation extents following tank removal and from the location of the former dispensers. Based on the results from the on-site analysis of soil samples, soil was removed until MTCA Method A cleanup levels were obtain or until a point at which continued excavation would undermine the Rainier Avenue sidewalk. The excavation activity spanned the period from August 18 through August 22, 1998. A total of fifty soil samples were collected from the excavations to guide soil removal, characterize soil for disposal, and document the final excavation extents. The sample locations are shown in Figure 3. The final excavation extent soil samples are shown in Figure 4.

Soils encountered during decommissioning activities included dark to medium brown, fine-grained sand and silt, with some gravel. Very dense, grey, glacial-till was encountered at a depth of approximately eight feet below grade under the location of dispenser #3. The top of the till sloped south to a depth of approximately 15 feet beneath the location of the two 3,000-gallon USTs.

The final PCS excavation extended from the north side of the dispenser #3 pit at the depth of the glacial till (8 feet) to the south end of the gasoline UST pit, also at the depth of till (15 feet). Soil was removed across this area to the depth of the till and excavation extent soil samples were collected for documentation. Groundwater was not encountered in this excavation to a depth of fifteen feet below grade.

A second area was excavated around the north UST and samples were collected at the excavation extents. These sample locations are also shown on Figures 3 and 4. Water was noted to be seeping into the excavation through the northern side wall from a depth of 8 to 9 feet. Approximately one foot of standing water eventually pooled in the bottom of this excavation on August 18, 1998, but on August 19 only 2-3 inches remained. A water sample, TP-2W, was collected on August 18 and analyzed for BTEX, TPH-G, TPH-D, and TPH-O concentrations.

Approximately 400 cubic yards of PCS was transported to Fife Sand And Gravel for treatment. Clean imported material was used to backfill the excavations to grade.

3.0 ANALYTICAL RESULTS

Soil and groundwater samples were analyzed by a mobile laboratory operated by TEG of Lacey, Washington. The final six confirmation soil samples were analyzed by North Creek Analytical of Bothell, Washington.

Soil

Forty-one soil samples were analyzed for BTEX, TPH-G, TPH-D, and TPH-O by EPA Method 8020 and WDOE Method NWTPH-Gx and NWTPH-Dx/Dx-Extended. An additional six samples were analyzed for BTEX and TPH-G. Analytical results and MTCA Method A Compliance Cleanup Levels [CCL(a)s] for soil are summarized in Table 1. A complete laboratory report is contained in Appendix B.

Only one sample collected at the excavation extents exceeded a CCL(a). This sample, OX-1, was collected from beneath the Rainier Avenue sidewalk at a depth of 8 feet. Only TPH-G exceeded the CCL(a) at concentration of 3,110 mg/kg.

Water

Water sample TP-2W was analyzed for BTEX, TPH-G, TPH-D, and TPH-O by EPA Method 8020 and WDOE Method NWTPH-Gx and NWTPH-Dx/Dx-Extended. Chemical analytical results and MTCA Method A Compliance Cleanup Levels [CCL(a)s] for water are summarized in Table 2. A complete laboratory report is contained in Appendix B.

The reported BTEX and TPH-G concentrations exceeded CCL(a)s. Benzene was reported at a concentration of 13.4 micrograms per liter (ug/L), and TPH-G at a concentration of 2,500 ug/l.

4.0 CONCLUSIONS/RECOMMENDATIONS

Three steel underground storage tanks, two 3,000-gallon and one 1,000-gallon, and the ancillary piping were decommissioned as part of the closure of the UST system at the Barret property located at 416 Rainier Avenue South in Seattle, Washington. The UST and subgrade equipment removal was conducted on August 18, 1998, by Joe Hall Construction. During the tank decommissioning, the three steel USTs were taken to General Metals of Tacoma, Washington, for disposal. Prior to removal, the USTs appeared to be intact and in good condition, except for the 1,000-gallon tank on the north end of the property which showed evidence of rusting and pitting.

Based on laboratory results, approximately 400 cubic yards of soil was removed from the area between the northern dispenser and the southern tank pit, and from the southern tank pit southwest and east sidewalls and bottom to a maximum depth of approximately fifteen feet below grade. Excavation extent confirmation soil samples SW-5, SWB-E, SW-W1, TPB-5, TPB-6, OXB-1, OX-2, OX-3, and OX-4 collected along the final excavation sidewalls and bottom confirmed that PCS was removed from these areas.

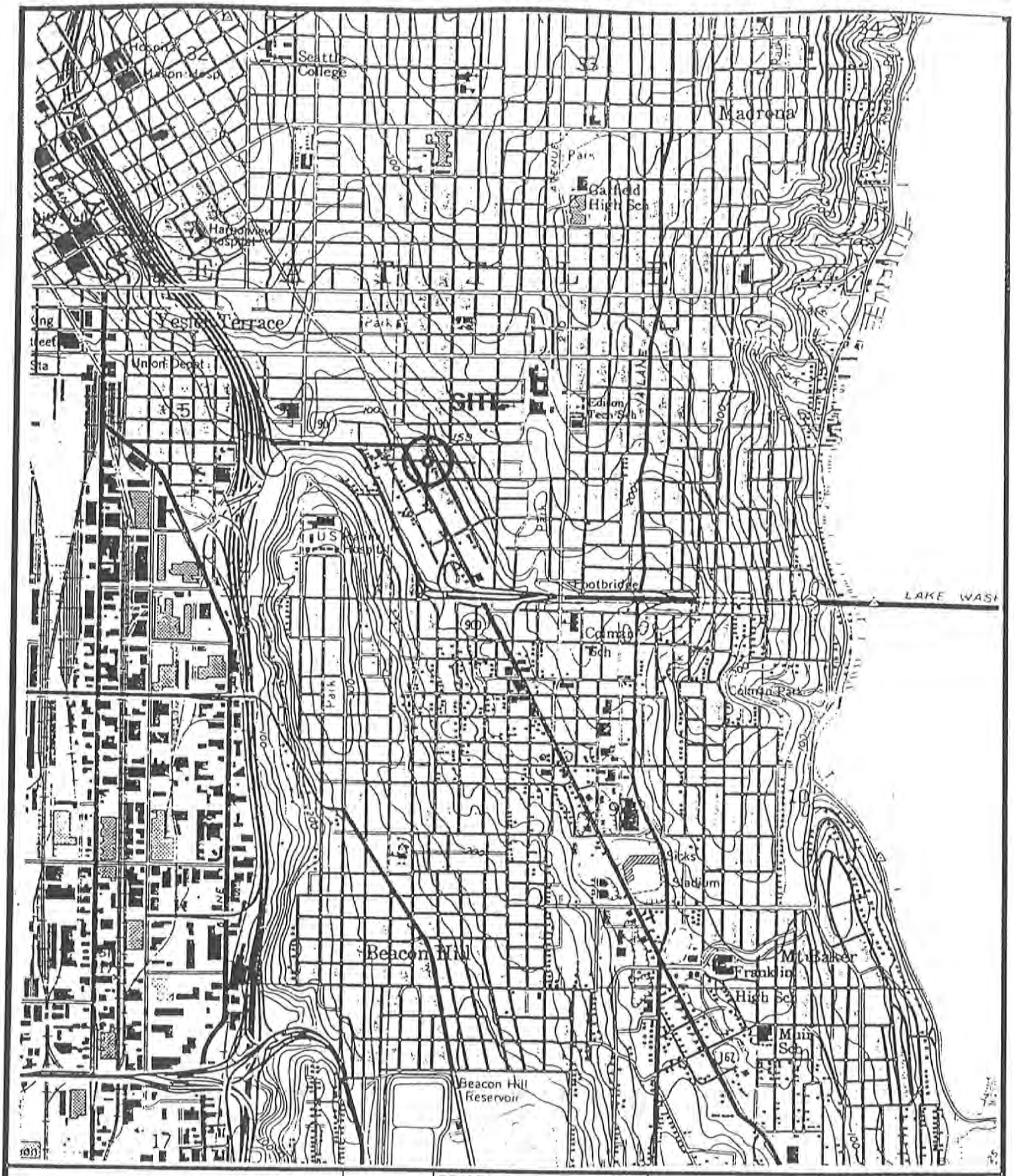
Confirmation soil sample, OX-1, collected along the western sidewall of the excavation in the area between the northern dispenser and the southern tank pit, contained a TPH-G concentration in excess of the CCL(a). Water sample TP-2W collected from the northern tank pit contained BTEX and TPH-G concentrations exceeding the CCL(a)s.

Joe Hall personnel backfilled the excavation to grade with clean imported backfill. Based on the

results of this investigation, petroleum impacted soil and groundwater remain in place between the western sidewall of the excavation and Rainier Avenue South.

Based on the results of the tank closure investigation and laboratory results, further assessment activities are recommended along the Rainier Avenue sidewalk.

FIGURES



FLUOR DANIEL GTI

SOURCE: U.S.G.S. 7.5' QUAD SHEET
SEATTLE S., WASHINGTON
PHOTOREVISED 1979

N

SCALE: 0 FEET 2000

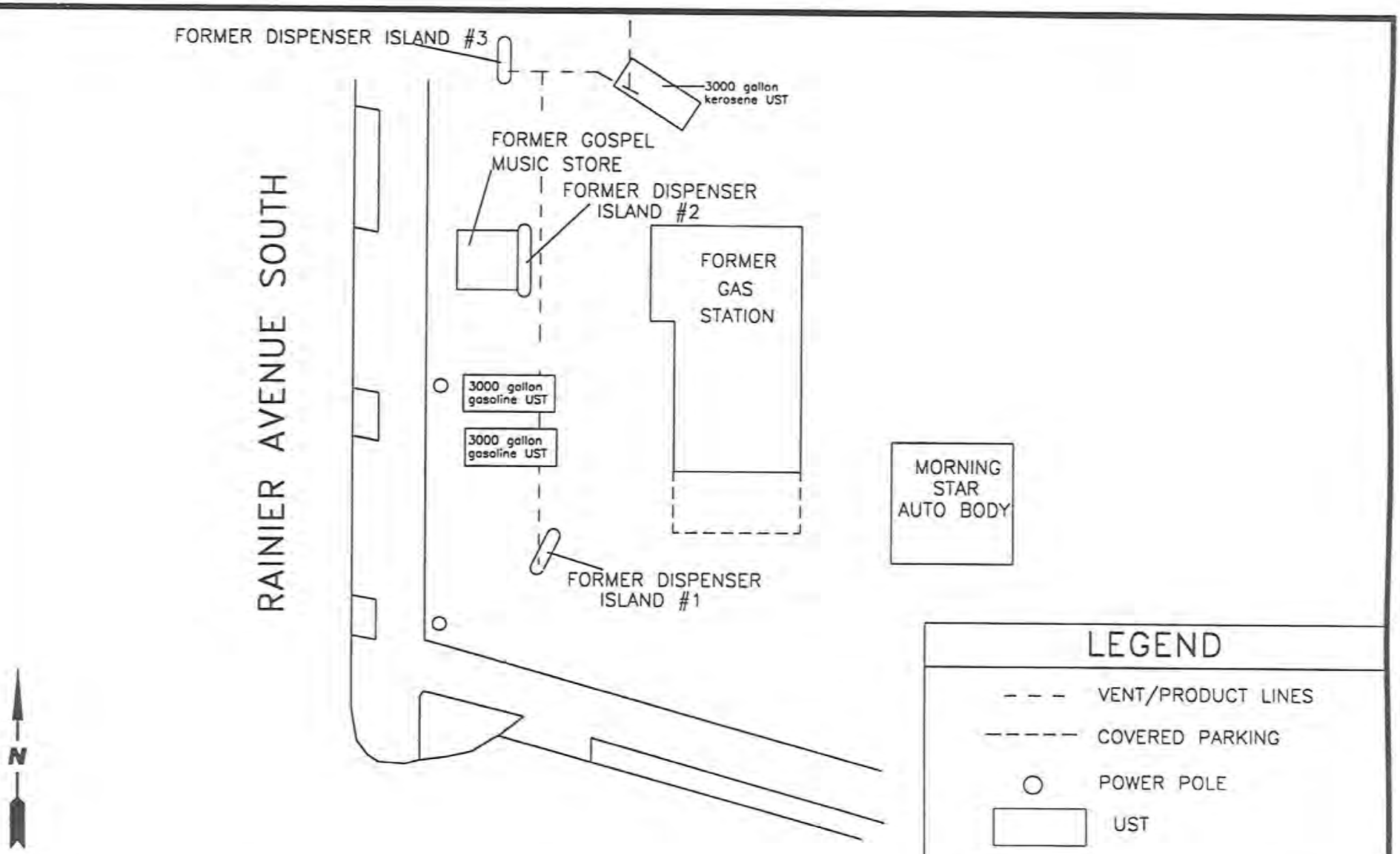
SITE LOCATION MAP

CLIENT: JOE HALL CONSTRUCTION
BARRET PROPERTY

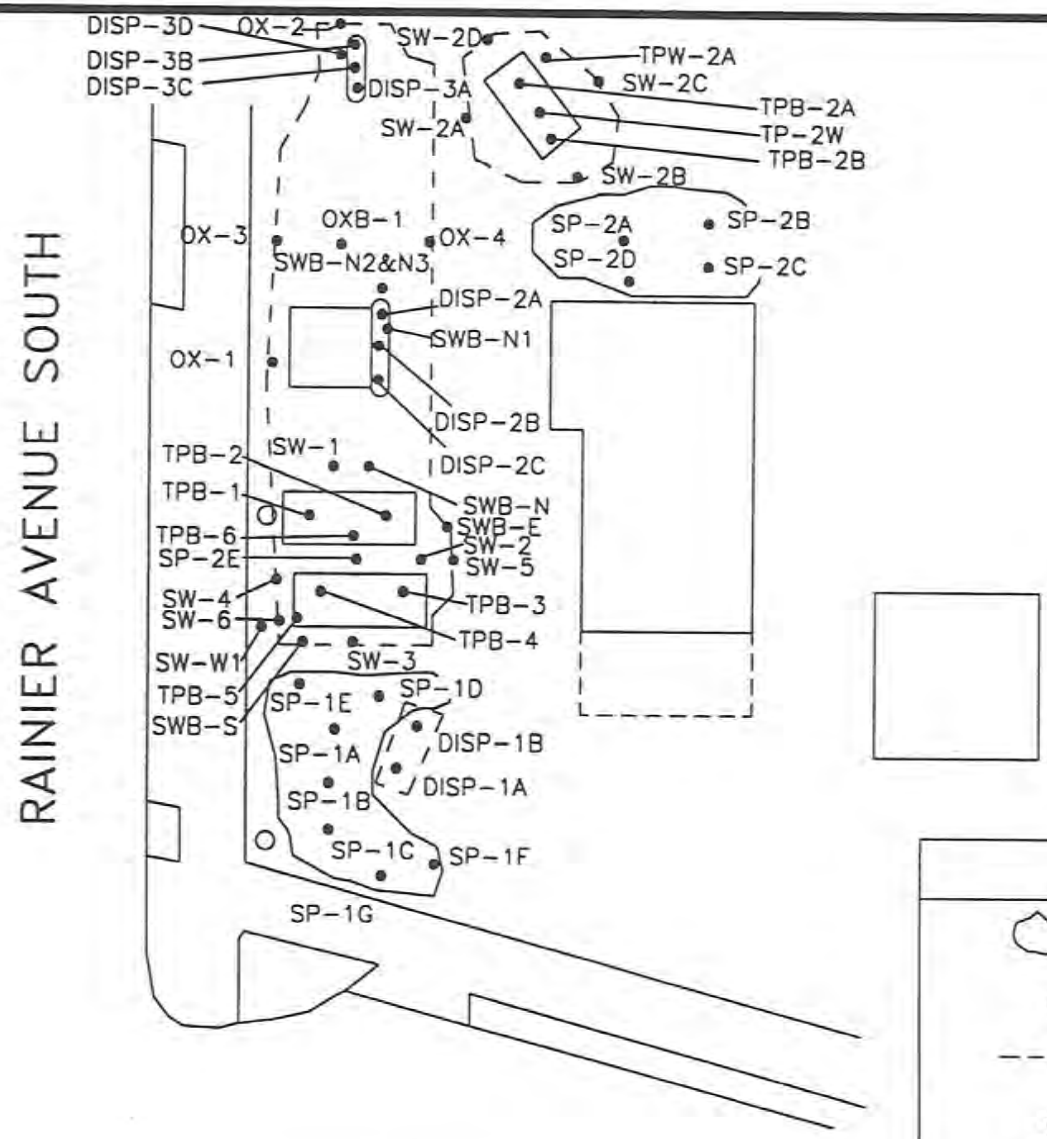
DATE: 9/15/98

LOCATION: 416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FIGURE: 1



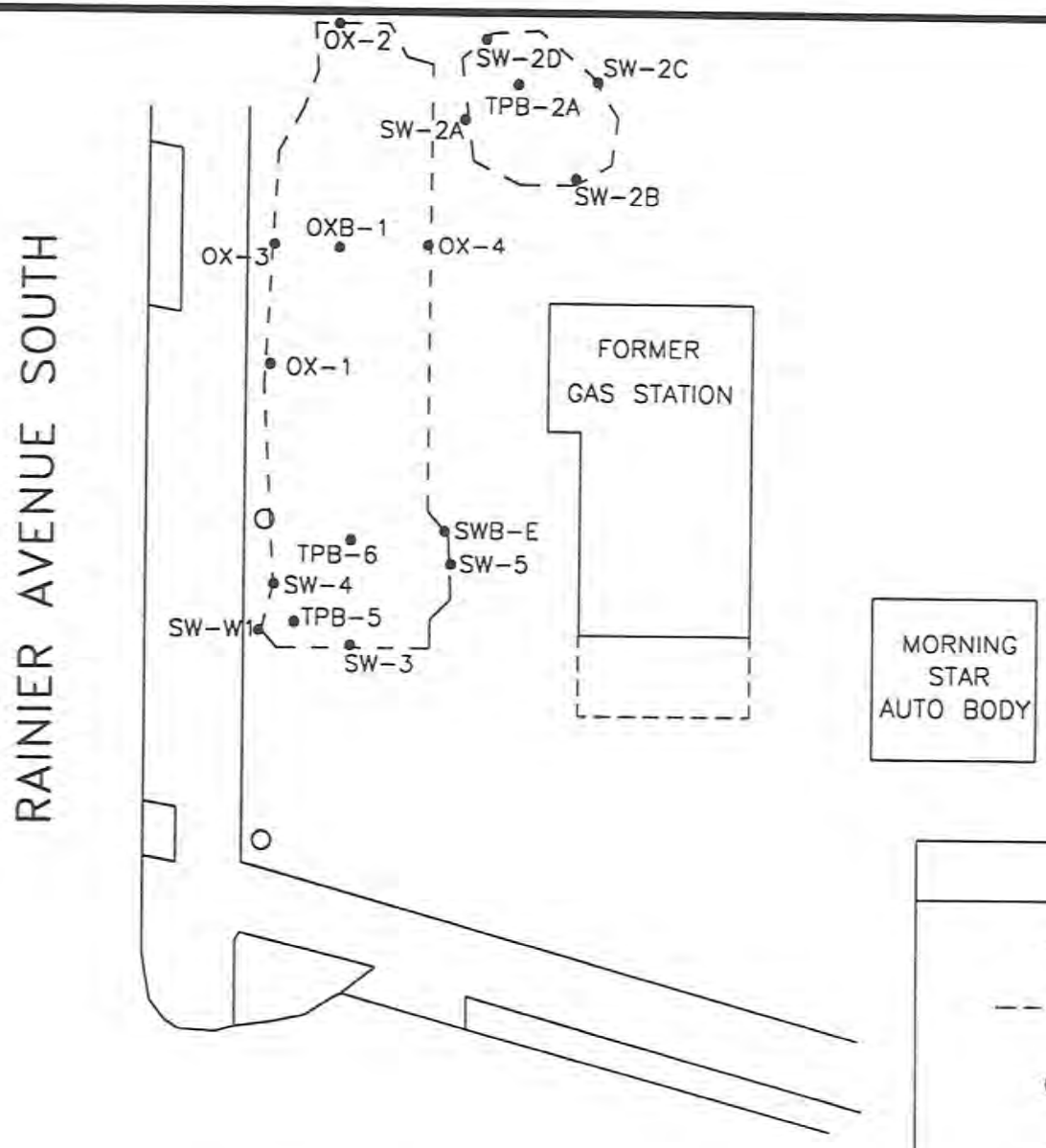
FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	BARRET PROPERTY SITE PLAN
FILE: \STOREYC\MAPS\BARETSP1	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 2
REV:		DES: / DET: CNS / DATE: 10/13/98	



LEGEND

- SOIL PILE
- SAMPLE LOCATION
- COVERED PARKING
- POWER POLE
- EXCAVATION EXTENTS

FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	**BARRET PROPERTY SOIL SAMPLE LOCATION MAP**	
FILE: \STOREYC\MAPS\BARTSAMP	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM:	RG/PE:
REV:	DES:	DET: CNS	DATE: 10/13/98	FIGURE: 3



FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	**BARRET PROPERTY EXCAVATION EXTENTS**
FILE: \STOREYC\MAPS\BARRET4	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 4
REV:		DES: / DET: CNS / DATE: 10/13/98	

TABLES

TABLE 1
SUMMARY OF LABORATORY RESULTS - SOIL
BARRET PROPERTY
416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
(Results in milligrams per kilogram)
August 18-22, 1998

Sample ID	Sample Depth (feet bg)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-G	TPH-D	TPH-O
Method Detection Limits for TEG		0.05	0.05	0.05	0.05	20	50	100
DISP-1A	3	<0.05	<0.05	<0.05	0.32	<20	<50	<100
DISP-1B	3	<0.05	<0.05	<0.05	<0.05	<20	<50	<100
DISP-2A	3	<0.05	<0.05	<0.05	<0.05	<20	<50	<100
DISP-2B	3	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
DISP-2C	3	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
DISP-3A	4	<0.05	<0.05	<0.05	0.26	**1,200**	<50	<100
DISP-3B	4	**0.56**	1.42	<0.05	0.63	<10	**3,700**	<100
DISP-3C	4	<0.05	<0.05	<0.05	0.72	<10	**1,400**	<100
DISP-3D	8	<0.05	0.37	<0.05	0.25	<10	<50	<100
TPB-1	12	<0.05	<0.05	<0.05	0.38	**120**	<50	<100
TPB-2	12	<0.05	<0.05	<0.05	<0.05	68	<50	<100
TPB-4	12	<0.05	<0.05	<0.05	12	**1,200**	<50	<100
TPB-5	15	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
TPB-6	15	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
TPB-2A	8	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-1A	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-1C	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-1D	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-1E	--	<0.05	<0.05	<0.05	0.18	<10	<50	<100
SP-1F	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-1G	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-2A	--	<0.05	0.55	<0.05	3.6	**720**	<50	<100
SP-2B	--	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SP-2D	--	0.2	0.68	<0.05	6.1	<10	<50	<100
SP-2E	12	**0.55**	1.7	<0.05	1.43	**330**	<50	<100

TABLE 1
SUMMARY OF LABORATORY RESULTS - SOIL
BARRET PROPERTY
416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
(Results in milligrams per kilogram)
August 18-22, 1998

Sample ID	Sample Depth (feet bg)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-G	TPH-D	TPH-O
Method Detection Limits for TEG		0.05	0.05	0.05	0.05	20	50	100
SW-1	10	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SW-2	10	<0.05	0.01	<0.05	15	**2,100**	<50	<100
SW-3	10	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SW-4	10	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SW-5	10	<0.05	0.15	<0.05	<0.05	<10	<50	<100
SW-6	10	<0.05	0.19	<0.05	6.87	**800**	<50	<100
SW-2A	6	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SW-2B	6	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SW-2C	6	<0.05	<0.05	<0.05	2.6	<10	<50	<100
SW-2D	6	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SWB-S	15	<0.05	<0.05	<0.05	0.19	15	<50	<100
SWB-E	15	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SWB-N	12	<0.05	<0.05	<0.05	0.23	**670**	<50	**1,000**
SWB-N1	8-10	<0.05	1.85	5.23	**30.6**	**3,800**	<50	<100
SWB-N2	6	<0.05	<0.05	<0.05	<0.05	<10	<50	<100
SWB-N3	10	<0.05	<0.05	<0.05	<0.05	<10	<50	<100

TABLE 1
SUMMARY OF LABORATORY RESULTS - SOIL
BARRET PROPERTY
416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
(Results in milligrams per kilogram)
August 18-22, 1998

Sample ID	Sample Depth (feet bg)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-G	TPH-D	TPH-O
Method Detection Limits for NCA		0.05	0.05	0.05	0.1	5	--	--
SW-W1	15	<0.05	<0.05	<0.05	<0.1	36	--	--
OX-1	8	<0.05	<0.05	<0.05	<0.1	**3,110**	--	--
OX-2	8	<0.05	<0.05	<0.05	<0.1	<5	--	--
OX-3	9	<0.05	<0.05	<0.05	<0.1	<5	--	--
OX-4	9	<0.05	<0.05	<0.05	<0.1	<5	--	--
OXB-1	11	<0.05	<0.05	<0.05	<0.1	<5	--	--
MTCA-CCL (a)		0.5	40	20	20	100	200	200

TPH-G = Total petroleum hydrocarbons-as-gasoline
TPH-D = Total petroleum hydrocarbons-as-diesel
TPH-O = Total petroleum hydrocarbons-as-oil
MTCA-CCL[a] = Model Toxics Control Act Method A Compliance Cleanup Level
< = Less than the method detection limit
-- = Not Sampled
bg = Below grade
TEG = Transglobal Environmental Geosciences Northwest Inc.
NCA = North Creek Analytical
Bold values exceed MTCA-CCL[a]
Sample depths are approximate.

TABLE 2
SUMMARY OF LABORATORY RESULTS - WATER
BARRET PROPERTY
416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
(Results in micrograms per liter)
August 18, 1998

Sample ID	Sample Location	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-G	TPH-D	TPH-O
Method Detection Limit		1	1	1	1	100	200	400
TP-2W	North	**13.4**	**130**	**42.5**	**287**	**2,500**	<200	<400
MTCA-CCL (a)		5	40	30	20	1,000	1,000	1,000

TPH-G = Total petroleum hydrocarbons-as-gasoline
TPH-D = Total petroleum hydrocarbons-as-diesel
TPH-O = Total petroleum hydrocarbons-as-oil
MTCA-CCL[a] = Model Toxics Control Act Method A Compliance Cleanup Level
< = Less than the method detection limit
Bold values exceed MTCA-CCL[a]

APPENDIX A

UST SITE CLOSURE NOTICE

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

WASHINGTON STATE DEPARTMENT OF ECOLOGY

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #:
Owner ID #:

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☒ Permanent Tank Closure ☐ Site Check/Site Assessment

Site Information

Site ID Number _____
(Available from Ecology if the tanks are registered)
Site/Business Name N/A
Site Address 416 Rainer Avenue S.
Street
City/State Seattle, WA
Zip Code _____ Telephone (___) _____
Owner's Signature Harriet C Barrett

Owner Information

(This form will be returned to this address)
UST Owner/Operator HARRIET C. BARRETT
Mailing Address 2400 EAST HELEN
Street
P.O. Box
City/State SEATTLE, WA
Zip Code 98112 Telephone (206) 322-4163

Tank Closure/Change-In-Service Company

Service Company Joe Hall Construction
Certified Supervisor Dennis Padilla Decommissioning Certification No. 1057723-26
Supervisor's Signature
ress 1317 54th AVE EAST
Street P.O. Box
FIFE WA 98424-1226 Telephone (253) 922.6815
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor Chris N. Storey
Address Street 955 S. Renton Village Pl. #700
P.O. Box
City Seattle State WA Zip Code 98055 Telephone (425) 228-9645

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
1	8/18/98	Removal	3000	GAS
2	8/18/98	Removal	3000	GAS
3	8/18/98	"	1000	Kerosene

Contamination Present at the Time of Closure

☒ Yes ☐ No ☐ Unknown

Check unknown if no obvious contamination was observed 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 1-800-826-7716 (voice) OR (360) 407-6006 (TDD).
ECY 020-94 (Rev. 6/95)

APPENDIX B

LABORATORY ANALYTICAL RESULTS

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

BTEX (EPA 8020) Analyses for Soils

Sample Number	Date Analyzed	Benzene mg/kg	Toluene mg/kg	Eth Benz mg/kg	Xylene mg/kg	Recovery (%)
Meth. Blank	08/18/98	nd	nd	nd	nd	76
SP 1A	08/18/98	nd	nd	nd	nd	97
SP 1C	08/18/98	nd	nd	nd	nd	105
SP 1D	08/18/98	nd	nd	nd	nd	103
SP 1D Dup.	08/18/98	nd	nd	nd	nd	103
SP 1E	08/18/98	nd	nd	nd	0.18	103
SP 2A	08/18/98	nd	0.55	nd	3.6	68
SP 2B	08/18/98	nd	nd	nd	nd	76
SP 2D	08/18/98	0.2	0.68	nd	6.1	68
SW 1	08/18/98	nd	nd	nd	nd	97
SW 2	08/18/98	nd	0.1	nd	15	100
SW 3	08/18/98	nd	nd	nd	nd	100
SW 4	08/18/98	nd	nd	nd	nd	76
SW 2A	08/18/98	nd	nd	nd	nd	100
SW 2B	08/18/98	nd	nd	nd	nd	107
SW 2C	08/18/98	nd	nd	nd	2.6	107
SW 2D	08/18/98	nd	nd	nd	nd	95
TPB 1	08/18/98	nd	nd	nd	0.38	107
TPB 2	08/18/98	nd	nd	nd	nd	84
TPB 4	08/18/98	nd	nd	nd	12	131
TPB 2A	08/18/98	nd	nd	nd	nd	102
Detection Limits		0.05	0.05	0.05	0.05	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interferences prevent determination.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

BTEX (EPA 8020) Analyses for Water

Sample Number	Date Analyzed	Benzene ug/l	Toluene ug/l	Eth Benz ug/l	Xylene ug/l	Recovery (%)
Meth. Blank	08/18/98	nd	nd	nd	nd	74
TP 2W	08/18/98	13.4	130	42.5	287	88
TP 2W Dup	08/18/98	19.1	139	50.9	338	69
Detection Limits		1	1	1	1	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interferences prevent determination.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

Hydrocarbon Identification by NWTPH-HCID for Soils

Sample Number	Date	Recovery %	Gasoline mg/kg	Diesel mg/kg	Heavy Oil mg/kg
Meth. Blank	08/18/98	92	nd	nd	nd
SP 1A	08/18/98	131	nd	nd	nd
SP 1C	08/18/98	113	nd	nd	nd
SP 1D	08/18/98	116	nd	nd	nd
SP 1D Dup.	08/18/98	131	nd	nd	nd
SP 1E	08/18/98	99	nd	nd	nd
SP 2A	08/18/98	90	D	nd	nd
SP 2B	08/18/98	107	nd	nd	nd
SP 2D	08/18/98	81	nd	nd	nd
SW 1	08/18/98	114	nd	nd	nd
SW 2	08/18/98	int	D	nd	nd
SW 3	08/18/98	70	nd	nd	nd
SW 4	08/18/98	101	nd	nd	nd
SW 2A	08/18/98	79	nd	nd	nd
SW 2B	08/18/98	102	nd	nd	nd
SW 2C	08/18/98	88	nd	nd	nd
SW 2D	08/18/98	81	nd	nd	nd
TPB 1	08/18/98	72	D	nd	nd
TPB 2	08/18/98	97	D	nd	nd
TPB 4	08/18/98	94	D	nd	nd
TPB 2A	08/18/98	76	nd	nd	nd
Method Detection Limits			20	50	100

"nd" Indicates not detected at the listed detection limit.

"D" Indicates detected above the listed detection limit.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

Hydrocarbon Identification by NWTPH-HCID for Water

Sample Number	Date	Recovery %	Gasoline ug/l	Diesel ug/l	Heavy Oil ug/l
Meth. Blank	08/18/98	92	nd	nd	nd
TP 2W	08/18/98	74	D	nd	nd
TP 2W Dup.	08/18/98	133	D	nd	nd
MDL			200	500	1000

"nd" Indicates not detected at the listed detection limit.
"D" Indicates detected above the listed detection limit.

RAINEER AVE. S. PROJECT
Seattle, Washingtoon
Fluor Daniel GTI

Gasoline, Diesel and Oil in Soil by NWTPH-Gx and NWTPH-Dx/Dx-Extended

Sample Number	Date	Recovery %	Gasoline mg/kg	Diesel mg/kg	Heavy Oil mg/kg
Meth. Blank	08/18/98	100	nd	nd	nd
SP 1A	08/18/98	116	nd	nd	nd
SP 1C	08/18/98	90	nd	nd	nd
SP 1D	08/18/98	128	nd	nd	nd
SP 1D Dup.	08/18/98	105	nd	nd	nd
SP 1E	08/18/98	103	nd	nd	nd
SP 2A	08/18/98	124	720	nd	nd
SP 2B	08/18/98	123	nd	nd	nd
SP 2D	08/18/98	103	nd	nd	nd
SW 1	08/18/98	119	nd	nd	nd
SW 2	08/18/98	int	2100	nd	nd
SW 3	08/18/98	133	nd	nd	nd
SW 4	08/18/98	120	nd	nd	nd
SW 2A	08/18/98	89	nd	nd	nd
SW 2B	08/18/98	123	nd	nd	nd
SW 2C	08/18/98	100	nd	nd	nd
SW 2D	08/18/98	104	nd	nd	nd
TPB 1	08/18/98	99	120	nd	nd
TPB 2	08/18/98	113	68	nd	nd
TPB 4	08/18/98	92	1200	nd	nd
TPB 2A	08/18/98	71	nd	nd	nd
MDL			10	20	40

"nd" Indicates not detected at the listed detection limit.

"int" Indicates that interference peaks prevent determination.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

Gasoline, Diesel and Oil in Water by NWTPH-Gx and NWTPH-Dx/Dx-Extended

Sample Number	Date	Recovery %	Gasoline ug/l	Diesel ug/l	Heavy Oil ug/l
Meth. Blank	08/18/98	100	nd	nd	nd
TP 2W	08/18/98	106	2500	nd	nd
TP 2W Dup.	08/18/98	94	3000	nd	nd
MDL			100	200	400

"nd" Indicates not detected at the listed detection Limit.
"int" Indicates that interference peaks prevent determination.

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: Fluor Daniel GTI
ADDRESS: 555 S. Renton Village Place, Renton
PHONE: (425) 228-9645 FAX: (425) 228-9793
CLIENT PROJECT #: PROJECT MANAGER: Stan Haskins

DATE: 8/18/98 PAGE 1 OF
PROJECT NAME: ~~416~~ 416 Rainier Ave. S.
LOCATION: Seattle, WA
COLLECTOR: C. Kilday / CNS DATE OF COLLECTION 8/18/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH (8015 (diesel)	TPH 8015 (g & d)	PAH 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	HCl	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SP-1A	N/A	858	Soil	Glass	X														X		soil pile sample		
SP-1B	↓	901	↓	↓	X														X		↓		
SP-1C		904			X														X				
SP-2A		845			X														X				
SP-2B		847			X														X				
SP-2C		849	↓	↓	X														X	HOLD	↓ HOLD		
SP-2W	↓	940	Water	VOA	X														X		tank pit water sample		
SP-1D	↓	1015	Soil	Glass	X														X	HOLD	soil pile sample		
SP-1E		1050			X														X		↓		
TPB-1		1056			X														X		tank pit bottom TP-1		
TPB-2		1059			X														X		tank pit bottom TP-4		
SW-1		1101			X														X		side wall (N)		
TPB-3		1133			X														X	HOLD	tank (2) pit bottom TP-4		
TPB-4		1134			X														X		tank (2) pit bottom TP-1		
SW-2		1130			X														X		side wall (E)		
SW-3		1139			X														X		side wall (S)		
SW-4		1153	↓	↓	X														X		side wall (W)		
SP-2D		1234	↓	↓	X														X		soil pile-2 (E)		

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Richard M. Kilday	8/18/98 12:00		
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

teg

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: Floor Daniel GTI

ADDRESS: 1555 S. Renton Village Place, Renton

PHONE (425) 228-9645 FAX: (425) 228-9793

CLIENT PROJECT #: PROJECT MANAGER:

DATE: 8/18/98 PAGE 1 OF

PROJECT NAME: 416 Rainier Ave. South

LOCATION: Seattle, WA

COLLECTOR: C. Kirkley / CNS DATE OF COLLECTION 8/18/98

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH (8015 (diesel)	TPH 8015 (g & d)	PAH 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	HOLD	FIELD NOTES	Total Number of Containers	Laboratory Note Number
TPB-2A		2:27	Soil	Glass	X														X				
TPB-2B		2:30			X														X		HOLD		
SW-2A		2:33			X														X				
SW-2B		2:38			X														X				
SW-2C		2:43			X														X				
SW-2D		2:D/I			X														X				

RELINQUISHED BY (Signature) C. Kirkley DATE/TIME 8/18/98 10:00 RECEIVED BY (Signature) Jim McCall DATE/TIME 8/18/98 1000

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST INC.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

BTEX (EPA 8020) Analyses for Soils

Sample Number	Date Analyzed	Benzene mg/kg	Toluene mg/kg	Eth Benz mg/kg	Xylene mg/kg	Recovery (%)
Meth. Blank	08/19/98	nd	nd	nd	nd	80
Disp 1A	08/19/98	nd	nd	nd	0.32	107
Disp 1B	08/19/98	nd	nd	nd	nd	110
Disp 2A	08/19/98	nd	nd	nd	nd	105
Disp 2A Dup.	08/19/98	nd	nd	nd	nd	71
Disp 2B	08/19/98	nd	nd	nd	nd	105
Disp 2C	08/19/98	nd	nd	nd	nd	90
Disp 3A	08/19/98	nd	nd	nd	0.26	105
Disp 3B	08/19/98	0.56	1.42	nd	0.63	90
Disp 3C	08/19/98	nd	nd	nd	0.72	123
Disp 3D	08/19/98	nd	0.37	nd	0.25	70
TPB S	08/19/98	nd	nd	nd	nd	110
TPB 6	08/19/98	nd	nd	nd	nd	108
SW S	08/19/98	nd	0.15	nd	nd	121
SW 6	08/19/98	nd	0.19	nd	6.87	123
SP 1F	08/19/98	nd	nd	nd	nd	94
SP 1G	08/19/98	nd	nd	nd	nd	102
SP 2E	08/19/98	0.55	1.7	nd	1.43	71
SWB S	08/19/98	nd	nd	nd	0.19	116
SWB E	08/19/98	nd	nd	nd	nd	125
SWB N	08/19/98	nd	nd	nd	0.23	118
SWB N1	08/19/98	nd	1.85	5.23	30.6	70
SWB N2	08/19/98	nd	nd	nd	nd	113
SWB N3	08/19/98	nd	nd	nd	nd	126
Detection Limits		0.05	0.05	0.05	0.05	

"nd" Indicates not detected at the listed detection limits.
"int" Indicates that interferences prevent determination.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

Hydrocarbon Identification by NWTPH-HCID for Soils

Sample Number	Date	Recovery %	Gasoline mg/kg	Diesel mg/kg	Heavy Oil mg/kg
Meth. Blank	08/19/98	92	nd	nd	nd
Disp 1A	08/19/98	96	nd	nd	nd
Disp 1B	08/19/98	111	nd	nd	nd
Disp 2A	08/19/98	98	nd	nd	nd
Disp 2A Dup.	08/19/98	102	nd	nd	nd
Disp 2B	08/19/98	97	nd	nd	nd
Disp 2C	08/19/98	92	nd	nd	nd
Disp 3A	08/19/98	100	D	nd	nd
Disp 3B	08/19/98	114	nd	D	nd
Disp 3C	08/19/98	119	nd	D	nd
Disp 3D	08/19/98	99	nd	nd	nd
TPB 5	08/19/98	112	nd	nd	nd
TPB 6	08/19/98	86	nd	nd	nd
SW 5	08/19/98	108	nd	nd	nd
SW 6	08/19/98	int	D	nd	nd
SP 1F	08/19/98	91	nd	nd	nd
SP 1G	08/19/98	99	nd	nd	nd
SP 2E	08/19/98	111	D	nd	nd
SWB S	08/19/98	112	D	nd	nd
SWB E	08/19/98	124	nd	nd	nd
SWB N	08/19/98	74	D	nd	D
SWB N1	08/19/98	int	D	nd	nd
SWB N2	08/19/98	71	nd	nd	nd
SWB N3	08/19/98	129	nd	nd	nd
Method Detection Limits			20	50	100

"nd" Indicates not detected at the listed detection limit.
"D" Indicates detected above the listed detection limit.

RAINEER AVE. S. PROJECT
Seattle, Washington
Fluor Daniel GTI

Gasoline, Diesel and Oil in Soil by NWTPH-Gx and NWTPH-Dx/Dx-Extended

Sample Number	Date	Recovery %	Gasoline mg/kg	Diesel mg/kg	Heavy Oil mg/kg
Meth. Blank	08/19/98	95	nd	nd	nd
Disp 1A	08/19/98	106	nd	nd	nd
Disp 1B	08/19/98	100	nd	nd	nd
Disp 2A	08/19/98	101	nd	nd	nd
Disp 2A Dup.	08/19/98	102	nd	nd	nd
Disp 2B	08/19/98	107	nd	nd	nd
Disp 2C	08/19/98	101	nd	nd	nd
Disp 3A	08/19/98	95	1200	nd	nd
Disp 3B	08/19/98	int	nd	3700	nd
Disp 3C	08/19/98	int	nd	1400	nd
Disp 3D	08/19/98	106	nd	nd	nd
TPB 5	08/19/98	108	nd	nd	nd
TPB 6	08/19/98	88	nd	nd	nd
SW 5	08/19/98	103	nd	nd	nd
SW 6	08/19/98	int	800	nd	nd
SP 1F	08/19/98	99	nd	nd	nd
SP 1G	08/19/98	120	nd	nd	nd
SP 2E	08/19/98	97	330	nd	nd
SWB S	08/19/98	109	15	nd	nd
SWB E	08/19/98	108	nd	nd	nd
SWB N	08/19/98	127	670	nd	1000
SWB N1	08/19/98	125	3800	nd	nd
SWB N2	08/19/98	127	nd	nd	nd
SWB N3	08/19/98	125	nd	nd	nd
MDL			10	20	40

"nd" Indicates not detected at the listed detection limit.
"int" Indicates that interference peaks prevent determination.

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES (teg)

CHAIN-OF-CUSTODY RECORD

CLIENT: Fluor Daniel GTI

ADDRESS: 555 S. Renton Village Place Suite 700

PHONE: (425) 228-9644 ext. 10 FAX: (425) 228-9793

CLIENT PROJECT #: ______ PROJECT MANAGER: [illegible]

DATE: 8/19/98 PAGE 1 OF ___

PROJECT NAME: 416 Rainer Avenue South

LOCATION: ______

COLLECTOR: CNS DATE OF COLLECTION ______

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH (8015 (diesel)	TPH 8015 (g & d)	PAH 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	HCID	FIELD NOTES	Total Number of Containers	Laboratory Note Number
Disp-2A	3'	9:00			X														X				
Disp-2B	3'	9:02			X														X				
Disp-2C	3'	9:05			X														X				
[illegible]		9:25			X														X				
[illegible]		9:30			X														X				
SP-1F	–	10:08			X														X		~~Hold~~ CD		
SP-10	–	10:13			X														X		~~Hold~~		
Disp-1A	3'	10:30			X														X				
Disp-1B	3'	[illegible]			X														X				
TPB-5	15'	11:54			X														X				
SP-2E	–	12:04			X														X				
TPB-6	14'	12:15			X														X				
[illegible]-5	8'	1:33			X														X				
Disp-3C	5'	1:55			X														X				
[illegible]-6	14'	2:20			X														X				
[illegible]-2A		2:45			X														X		~~Don't Run~~ CNS		
Disp-3D	9'	3:00			X														X				
[illegible]S	13'	4:00			X														X				

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Chris N. Stone	8/19/98 6:45	Jim [illegible]	8/19/98 6:[illegible]
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

teg TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES

CHAIN-OF-CUSTODY RECORD

CLIENT: Fluor Daniel GTI

ADDRESS: 555 [illegible] Village [illegible]

PHONE: 425-223-[illegible] FAX: [illegible]

CLIENT PROJECT #: PROJECT MANAGER: [illegible]

DATE: 5/19/98 PAGE 1 OF

PROJECT NAME: [illegible]

LOCATION:

COLLECTOR: CNS

DATE OF COLLECTION

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH (8015 (diesel)	TPH 8015 (g & d)	PAH 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	[illegible]	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SW/D-E	13'	4:41			X														X				
[illegible]-W	[illegible]	[illegible]			[illegible]														X				
SWB-N1	8-10'	[illegible]			X														X				
[illegible]-N2	[illegible]	5:57			X														[illegible]				
[illegible]-N3	0"	6:00			X																		

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Kris N. Storey	5/19/98 6:15	Jim McC[illegible]	5/19/98 [illegible]

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES: AT [illegible] CNS

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 420-9200 ▪ FAX 420-9210
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
SW-W1	B808427-01	Soil	8/20/98
OX-1	B808427-02	Soil	8/20/98
OX-2	B808427-03	Soil	8/20/98
OX-3	B808427-04	Soil	8/20/98
OX-4	B808427-05	Soil	8/20/98
OXB-1	B808427-06	Soil	8/20/98

Joyb Chang, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 420-9200 ▪ FAX 420-9210
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SW-W1			B808427-01				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/25/98		5.00	36.0	mg/kg dry	1,4
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*98.2*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*94.4*	"	
OX-1			B808427-02				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/24/98		250	3110	mg/kg dry	1,4
Benzene	"	"	"		2.50	ND	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	ND	"	
Xylenes (total)	"	"	"		7.50	ND	"	2
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*NR*	*%*	*3*
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*NR*	"	*3*
OX-2			B808427-03				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/25/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*91.3*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*93.3*	"	
OX-3			B808427-04				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/25/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*95.9*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*96.6*	"	
OX-4			B808427-05				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

BOTHELL ▪ (425) 420-9200 ▪ FAX 420-9210
SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
OX-4 (continued)			B808427-05				Soil	
Toluene	0880665	8/24/98	8/24/98		0.0500	ND	mg/kg dry	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*93.2*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*94.1*	"	
OXB-1			B808427-06				Soil	
Gasoline Range Hydrocarbons	0880665	8/24/98	8/25/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*82.6*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*90.9*	"	

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PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SW-W1			B808427-01				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	ND	mg/kg dry	
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*90.2*	*%*	
OX-1			B808427-02				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	**120**	mg/kg dry	4
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*87.7*	*%*	
OX-2			B808427-03				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	ND	mg/kg dry	
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*91.7*	*%*	
OX-3			B808427-04				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	ND	mg/kg dry	
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*80.6*	*%*	
OX-4			B808427-05				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	ND	mg/kg dry	
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*81.9*	*%*	
OXB-1			B808427-06				Soil	
Diesel Range Hydrocarbons	0880666	8/24/98	8/25/98		10.0	ND	mg/kg dry	
Heavy Oil Range Hydrocarbons	"	"	"		25.0	ND	"	
Surrogate: 2-FBP	"	"	"	*50.0-150*		*91.7*	*%*	

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Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled:	8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received:	8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported:	8/25/98 14:33

Dry Weight Determination
North Creek Analytical - Bothell

Sample Name	Lab ID	Matrix	Result	Units
SW-W1	B808427-01	Soil	89.0	%
OX-1	B808427-02	Soil	90.0	%
OX-2	B808427-03	Soil	83.2	%
OX-3	B808427-04	Soil	70.9	%
OX-4	B808427-05	Soil	90.9	%
OXB-1	B808427-06	Soil	83.0	%

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Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0880665	**Date Prepared: 8/24/98**					**Extraction Method: EPA 5030B (MeOH)**				
Blank	**0880665-BLK1**									1
Gasoline Range Hydrocarbons	8/25/98			ND	mg/kg dry	5.00				
Benzene	"			ND	"	0.0500				
Toluene	"			ND	"	0.0500				
Ethylbenzene	"			ND	"	0.0500				
Xylenes (total)	"			ND	"	0.100				
Surrogate: 4-BFB (FID)	"	*4.00*		*4.06*	"	*50.0-150*	*101*			
Surrogate: 4-BFB (PID)	"	*4.00*		*4.11*	"	*50.0-150*	*103*			
LCS	**0880665-BS1**									
Gasoline Range Hydrocarbons	8/25/98	25.0		30.6	mg/kg dry	70.0-130	122			
Surrogate: 4-BFB (FID)	"	*4.00*		*4.31*	"	*50.0-150*	*108*			
Duplicate	**0880665-DUP1**	**B808427-04**								
Gasoline Range Hydrocarbons	8/25/98		ND	ND	mg/kg dry			50.0		
Surrogate: 4-BFB (FID)	"	*5.64*		*5.32*	"	*50.0-150*	*94.3*			
Duplicate	**0880665-DUP2**	**B808428-02**								
Gasoline Range Hydrocarbons	8/25/98		19.4	20.2	mg/kg dry			50.0	4.04	
Surrogate: 4-BFB (FID)	"	*4.38*		*4.22*	"	*50.0-150*	*96.3*			
Matrix Spike	**0880665-MS1**	**B808427-05**								
Benzene	8/25/98	0.550	ND	0.430	mg/kg dry	60.0-140	78.2			
Toluene	"	0.550	ND	0.439	"	60.0-140	79.8			
Ethylbenzene	"	0.550	ND	0.443	"	60.0-140	80.5			
Xylenes (total)	"	1.65	ND	1.33	"	60.0-140	80.6			
Surrogate: 4-BFB (PID)	"	*4.40*		*4.09*	"	*50.0-150*	*93.0*			
Matrix Spike Dup	**0880665-MSD1**	**B808427-05**								
Benzene	8/25/98	0.550	ND	0.445	mg/kg dry	60.0-140	80.9	20.0	3.39	
Toluene	"	0.550	ND	0.457	"	60.0-140	83.1	20.0	4.05	
Ethylbenzene	"	0.550	ND	0.459	"	60.0-140	83.5	20.0	3.66	
Xylenes (total)	"	1.65	ND	1.39	"	60.0-140	84.2	20.0	4.37	
Surrogate: 4-BFB (PID)	"	*4.40*		*4.29*	"	*50.0-150*	*97.5*			

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Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0880666	**Date Prepared: 8/24/98**					**Extraction Method: EPA 3550B**				
Blank	**0880666-BLK1**									
Diesel Range Hydrocarbons	8/25/98			ND	mg/kg dry	10.0				
Heavy Oil Range Hydrocarbons	"			ND	"	25.0				
Surrogate: 2-FBP	"	*11.0*		*9.85*	"	*50.0-150*	*89.5*			
LCS	**0880666-BS1**									
Diesel Range Hydrocarbons	8/25/98	66.7		64.5	mg/kg dry	60.0-140	96.7			
Surrogate: 2-FBP	"	*11.0*		*10.4*	"	*50.0-150*	*94.5*			
Duplicate	**0880666-DUP1**	**B808427-01**								
Diesel Range Hydrocarbons	8/25/98		ND	ND	mg/kg dry			50.0		
Heavy Oil Range Hydrocarbons	"		ND	ND	"			50.0		
Surrogate: 2-FBP	"	*12.3*		*12.1*	"	*50.0-150*	*98.4*			

North Creek Analytical - Bothell

**Refer to end of report for text of notes and definitions.*

Joy B Chang, Project Manager

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Fluor Daniel - GTI, Inc. - Renton	Project:	Joe Hall/Rainier	Sampled: 8/20/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 8/24/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 8/25/98 14:33

Notes and Definitions

#	Note
1	The chromatogram for this sample does not resemble a typical gasoline pattern.
2	The reporting limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
3	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
4	The sample chromatogram closely matches the stoddard solvent hydrocarbon pattern.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

1

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Environmental Laboratory Services

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

CHAIN OF CUSTODY REPORT

Work Order # B808427

REPORT TO: ~~Stan~~ Flour Daniel GTI
ATTENTION: Stan Hastins
ADDRESS: 555 S. Renton Village Place #700
Renton, WA 98055
PHONE: (425) 228-9645 FAX: (425) 228-9793
PROJECT NAME: Joe Hall / Rainier
PROJECT NUMBER: 106580
SAMPLED BY: Chris Story

INVOICE TO: Connie Hofman
ATTENTION:
ADDRESS: " "
P.O. NUMBER: NCA QUOTE #:

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 Standard | 7 | 5 | 4 | 3 | 2 | 1 | Same Day
Fuels & Hydrocarbon Analyses: ~~4~~ Standard | 3-4 | 2 | 1 | Same Day
OTHER Specify: ASAP Sandy
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	WTPH-Dx	TPH-G	BTEX	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1.	~~Ø~~ SW-W1	~~8/20/98~~ 8/21/98 10:57	B808427-01	X	X	X	W	1	
2.	OX-1	8/21/98 2:50	02	X	X	X	W	1	
3.	OX-2	8/22/98 11:23	03	X	X	X	W	1	
4.	OX-3	1:06	04	X	X	X	W	1	
5.	OX-4	1:31	05	X	X	X	W	1	
6.	OXB-1	1:10	06	X	X	X	W	1	
7.			~~Ø~~						
8.									
9.									
10.									

RELINQUISHED BY: Stan Hastins		DATE: 8/24/98	RECEIVED BY: K Barker		DATE: 8/24/98
PRINT NAME: Stan	FIRM: FDGTI	TIME: 1545	PRINT NAME: K. Barker	FIRM: NCA	TIME: 1545
RELINQUISHED BY: K Barker		DATE: 8/24/98	RECEIVED BY:		DATE:
PRINT NAME: K. Barker	FIRM: NCA	TIME: 1640	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:

10.2 w/o

PAGE OF

APPENDIX C

STANDARD OPERATING PROCEDURES

1.0 DRILLING

1.1 The principle reason for requiring on-site drilling supervision is to acquire reliable information.

1.2 While supervising a test boring or well installation, the geologist should always make certain that the driller is making accurate depth measurements by ruler and not by visually "eyeballing" the measurements (five foot auger lengths or drill rods may vary in length by +/- .75 feet.

1.3 Discrepancies between the driller's statements of depth and the geologist's should be immediately clarified by remeasurement so that the driller and geologist are in agreement.

1.4 Note lithologic changes that occur between sampling depths. Lithologic changes can be estimated by: noting changes in the rate of penetration of the drilling tools; noting color and/or soil-type changes in the drill cuttings; and, noting the soil on the auger flights.

1.5 Samples obtained by split-spoon sampler should follow the standard penetration test procedure (see Section 2.0).

1.6 For each soil sample taken, the following information must be recorded on the well/boring log:

- sample depth
- sample number
- sampling method: split-spoon (SS), wash sample, auger flight sample, drill cutting sample.
- blow counts for every 6 inches penetration of the split-spoon sampler
- sample description should follow the Unified Soil Classification System.

1.7 The sample brass tubes must be labeled with the following information

- job number
- date and time
- well/boring number
- sample number
- sample depth
- name of sampler

1.8 Insure that samples are sealed in brass tubes as nearly intact and undisturbed as possible. Soil structure can be an important feature in interpreting the subsurface geology.

1.9 Seal the ends of the brass tubes with aluminum foil or teflon tape prior to placing on the air tight cap. Place the sealed and labeled tube on ice in a cooler for shipment to the lab along with a chain-of-custody.

1.10 Seal the contents of a second brass tube in a plastic sample bag for vapor level measurements.

1.11 Measure vapor levels with a photoionization detector (PID) when the samples reach room temperature (70 degrees F). Otherwise keep the samples cool until an instrument is available. Bring the samples to room temperature prior to measuring the vapor levels.

1.12 Attempt to determine the depth to groundwater as drilling progresses. After a well has been installed, measure the initial groundwater level. If no well has been installed,

measure the water level in the boring prior to removing all of the auger flights or casing and backfilling the borehole.

1.13 When drilling in soils such as loose sands and silts, which tend to run up into the borehole, whether it is stabilized with casing or augers or not, the driller should maintain a positive head of water in the borehole (that is above the water table) at ALL times.

1.14 All pertinent data concerning drilling method, groundwater, penetration resistance, soil description, etc. should be entered onto the well/boring log.

1.15 Locate each well/boring location by taping the distances to at least three permanent physical features at the site. These may include any feature that is shown on the site plan provided, such as building corners, pump island, light standards, fences, planters, etc. DO NOT measure to another well/boring as one of the three measurements unless it is absolutely necessary. DO include measurements between well/borings as additional location information. This information, entered onto the well/boring log, will be used in conjunction with survey data to complete the site map and to generate groundwater contour and petroleum distribution maps.

1.16 At the completion of drilling, arrange to survey the well/boring locations and elevations.

1.17 Groundwater Technology does not assume the responsibility of directing the operations of independent contractors or insuring the safety of their workmen. Inform the contractor of the project requirements. Do not drive contractor trucks or operate or borrow his equipment.

1.18 Comply with all applicable articles of the Occupational Safety and Health Act of 1970, (OSHA).

2.0 STANDARD PENETRATION TEST

2.1 The standard split-spoon sampler consists of a 2-inch O.D. by 1-3/8-inch I.D., 18-inch minimum length, heat treated, case hardened, steel head, split-spoon and shoe assembly.

2.2 The head is vented to prevent pressure buildup during sampling and must be kept clean. A ball check valve is located in the head to prevent downward water pressure during sampling and sample retrieval. Removal of the water check valve often results in sample loss.

2.3 The drive rods which connect the split-spoon must have a stiffness equal or greater than an A-rod. In order to reduce rod deflection, especially in deep holes, it may be preferable to use larger diameter rods. The size of the drive rods must be consistent throughout a specific exploration as the energy absorbed will vary with the size and the weight of the rods used. The type of drive rod should be noted on the well/boring log.

2.4 The drive head consists of a guide rod to give the drop hammer a free fall in order to strike the anvil attached to the lower end of the assembly. The rod must be a minimum of 3-1/2 feet in length to insure the correct 30-inch hammer drop.

2.5 The drop hammer must weigh 140 pounds and have a 2-1/2-inch diameter hole through the center for the passage of the drive head rod.

2.6 The hammer is raised with a rope activated by the drill rig cathead. No more than two turns of rope should be allowed on the cathead.

2.7 A 30-inch free hammer drop is mandatory and extreme care should be exercised to insure consistent results.

2.8 Automatic trip hammers are available which insure a 30-inch, free-fall drop. These are recommended when retaining soil-structure data is critical, such as in liquefaction studies.

2.9 Attach the split-spoon sampler to the drill rods and lower the assembly to the bottom of the hole. Measure the drill rod stickup to determine if the bottom of the sampler is resting on the bottom of the hole. If the sampler is not on the bottom (ex. blow-up of the stratum being sampled), remove the assembly and clean out the hole to the appropriate sampling depth.

2.10 Note any penetration of the sampler/rod assembly due to the weight of the rods. Do not drop the assembly to the bottom of the hole.

2.11 Raise the 140-pound hammer 30 inches above the drivehead anvil and then allow it to drop, free-fall, and strike the anvil. This procedure is repeated until the sampler has been driven 18 inches into the stratum at the bottom of the hole (a 24-inch sampler may be driven 24 inches).

2.12 The number of blows of the hammer required for each 6 inches of penetration of the sampler is counted and recorded.

2.13 A penetration rate of 100 blows per foot is normally considered refusal; however, this criterion may be varied depending on the nature of the project and the desired information.

2.14 The penetration resistance, density, is calculated by adding together the second and the third resistance blowcounts. (Ex: for blow counts 2-6-6, density = 12.)

2.15 The sampler is then withdrawn form the borehole, preferably by pulling the rope rather than by bumping it out using the cathead and hammer in reverse.

2.16 Keeping the casing/augers/borehole full of water when removing the sampler will enhance sample recovery. however, this practice may not be appropriate when drilling at contamination sites.

2.17 When sampling soils where recovery is poor, lining the sampler with a flexible material such as plastic wrap or placing a sand catch in the shoe will often increase sample recovery.

2.18 Careful measurement of all drilling tools, samplers, casing, etc. must be exercised throughout all phases of the test boring operation.

2.19 Carefully open the sampler and describe the contents, noting soil structure, color, characteristics, etc. following the Unified Soils Classification System.

2.20 All pertinent data concerning sampling activities including sampling, interval, blow counts and sample recovery should be entered on the well/boring log.

3.0 WATER QUALITY SAMPLING

3.1 Water samples should not be taken from the stagnant water in the well.

3.2 Water samples should be taken in triplicate.

3.3 Remove 3 to 5 volumes of water in the well prior to sampling. The water may be removed by bailing, submersible pump, or purge system. Wells with a slow recovery period should be bailed dry and then sampled within 1 hour or when recovered to 80%. Monitor pH, temperature and specific conductivity with each well volume to insure water quality stabilization has occurred. However, this is not necessary at every well or in all circumstances.

3.4 Use only Teflon, stainless steel, or glass bailers to obtain the sample. Use Teflon only for sampling water containing chlorinated compounds and also for bacteriological samples. PVC bailers can be used for one-time sampling for other than EPA 624 analysis. Using a bailer for a one-time sampling reduces the possibility for cross-contamination.

3.5 When sampling, avoid stirring up any sediments in the well and agitating the water to reduce volitization of any dissolved compounds that may be present.

3.6 All sampling equipment must be cleaned following the appropriate procedure to avoid cross contamination from site to site and sample to sample. The sampling equipment should be cleaned before each well sampling, between each sampling, and at the end of each sampling round.

3.7 Monitoring wells should be gauged prior to sampling.

3.8 If possible, the monitoring wells should be sampled starting with the cleanest well and ending with the most contaminated well.

3.9 Wells containing free-phase contaminants should not be sampled.

3.10 When filling out the chain of custody form:
- enter the samples in the order in which they were collected;
- make a note as to the cleaning fluid used to clean the sampling equipment;
- attempt to identify which samples are the most contaminated;
- complete all other requested information.

3.11 The laboratory sample identification label should be filled out with a waterproof pen and firmly affixed to each sample container. Typically, identification labels require that the following information be supplied:
- job name
- job number
- sampler's name
- sample identification
- date sampled and time
- analysis requested

3.12 Acidification is required for samples that will be analyzed by the EPA 624 method. (see Acidification Procedure in this section)

3.13 Acidification is recommended for EPA method 601 and 602 samples to preserve them and increase their holding life. (see Acidification Procedure in this section)

3.14 Field blanks should be taken as part of each sampling round. A field blank consists of a sample of distilled water which has been collected by putting the distilled water into a sampling bailer after the bailer has been cleaned following the procedure used to clean that bailer during the sampling round. The field blank is stored with the samples. It is not analyzed unless requested by the Project Manager. The field blank should not be identified as such to the laboratory.

3.15 Handling of decontaminated equipment:
- Always use "pristine" gloves (latex, solvex, etc.).
- Place decontaminated bailers on clean surface (plastic).
- Do not wipe down bailer with paper towels or cloth.
- Follow decontamination procedure.

3.16 Sample accuracy can be adversely affected by the entrainment of sediment in wells which have not been properly developed. Contaminants adhering to the sediments can be released when samples are acidified for preservation. Therefore, if sediments are present, field filtering of the samples is recommended.

3.17 Chemical changes can take place because the sample was oxidized during sampling. It is critical to avoid oxidation of samples when sampling for volatile organic compounds (VOC). Therefore, take care to insure minimal agitation occurs during sampling.

3.18 All samples should be properly and promptly preserved.

3.19 All samples should be analyzed quickly; arrangements should be made with the testing laboratory to insure prompt analysis is performed within the allowable times for the specific analyses to be done.

3.20 Bailer strings that have contacted water or contaminants should be replaced between each well to avoid contamination from a bailer string which has absorbed contamination. A good practice is to replace the string between wells. Caution: some bailer strings are treated with a fungicide which may be detected in priority pollutant analysis.

3.21 Notify laboratory that samples are being shipped in advance of sampling to insure proper delivery and turnaround.

3.22 On the chain of custody, note what type of decontamination or preservation fluids, chemicals were used.

4.0 ACIDIFICATION PROCEDURE (EPA Methods 601,602, and 624)

4.1 At the start of each sampling round, the amount of acid required to lower a sampling container of water to be sampled to a pH of less than 2 should be determined.

4.2 After removing 3 to 5 well volumes from the first well to be sampled, put 5-10 drops of 50% HCL into a 40 ml sample vial (larger sampling container will require more acid) and fill the vial with water form the well; determine the pH of water in the vial with pH paper; if the pH is too high, repeat the procedure using 15-20 drops of acid in the vial; repeat until the pH of the water in the sample vial is a pH of less than 2 on the pH paper. Note the amount of acid required to lower the pH of the volume of water in the sampling vial. (pH paper should not be placed into sampling container. Pour sample onto pH paper to check for proper pH.)

4.3 Discard the practice acidified sample.

4.4 Once the amount of acid required to reach a pH of <2 is known, the acid can be routinely added to each sample container directly; the water to be analyzed is added to vial or container containing the appropriate amount of acid.

4.5 Note that the amount of acid required is site specific and should be noted on the Chain of Custody form.

4.6 The procedure should be repeated for each site at the start of each sampling round.

4.7 Equipment

- Bailer or other means to remove 3 to 5 well volumes
- Sampling bailer
- Polyethylene squirt bottle of 50% hydrochloric (HCL) acid
- Narrow range pH paper (1.0 - 2.5 pH range)
- Paper towels
- Waterproof pen
- Laboratory sample identification labels
- Cooler with ice
- Chain of custody forms
- Sample containers (usually 40 ml glass vials with teflon faced septums)
- Alconox solution and/or methanol
- Distilled water
- Safety equipment (gloves, etc.)
- Dissolved oxygen meter (sometimes used in limited biorec projects in conjunction with bacteriological testing)

5.0 SURVEYING

5.1 Equipment Handling

- The level/transit is a sensitive, expensive instrument, handle it accordingly. Keep it dry and clean as possible. Never carry the instrument in the back of the truck.
- Never leave the instrument on the tripod without securely attaching it.
- Make sure that the tripod is stable at all times.
- Always setup the tripod and instrument so that it is easily seen.
- Never leave a tripod and instrument unattended when surveying in an area with vehicular traffic. Place protective cones around the survey station.
- Keep an eye on the equipment at all times.
- Keep the survey rod free of dirt and grit.

5.2 Leveling the Instrument

- Center the level and screw it into the tripod.
- Firmly plant the tripod legs.
- Use foot screw to level the instrument. The bubble must be within the setting circle in order for the instrument the be level.
- Rotate the level 360 degrees, checking to be sure that the bubble remains inside the circle at every point.

5.3 Focusing the Cross Hairs and Siting

- To focus the cross hairs, look through the instrument and turn the ring around the eyepiece until the hairs come into focus.
- Relax your eye while looking through the eyepiece.
- Use a sun shade.

5.4 Rod

- Be careful when using a rod around overhead power and utility lines.
- The rod is graduated into hundredths of a foot. The bottom of each black line is an odd hundredth; the top of each black line is an even hundredth.
- When surveying to the rod, the rod should be slowly rocked forward and back to determine the lowest, and most accurate, reading.

5.5 Stadia Surveys

- Readings should be taken at the intersection of the vertical cross hair with the three horizontal cross hairs. (A level survey requires reading only the center cross hair.)

- Distance (D) calculation:

  D = (High Stadia - Low Stadia) x 100

  ex:
  High Stadia = 8.87 D = (8.87 - 8.29) x 100
  Low Stadia = 8.29 D = 58.0

- Check the accuracy of your readings as you survey. An acceptable error is .01 feet difference between calculations per siting.

- Check Readings: high - mid = mid - low

5.6 Bench Marks

- Clearly note the location and type of the bench mark used for each survey. The location should be marked permanently in the field so that it may be reused.

- If an existing bench mark with a known elevation is within a reasonable distance of the site, the surveyors should attempt to use it as the bench mark for the survey. possible existing bench marks are sewer manhole rims, storm drains, USGS (from topo map)

- If there is no known bench mark in the area, a bench mark must be created arbitrarily.

- Use the following guidelines for establishing an arbitrary bench mark:

  a) use permanent physical features such as the corner of a pump island, a cement floor slab, manhole or sewer rim.
  b) assign an elevation to the bench mark; if the nearest 10-foot contour is known, use it as the BM elevation; if the contour elevation is not known, assign an arbitrary elevation.
  c) clearly note the location and elevation of the BM in the field and on all site plans.
  d) DO NOT USE MONITORING OR RECOVERY WELLS AS BENCH MARKS.

5.7 Level Surveys

- When surveying wells, make certain to choose a survey point that can be used when gauging the well; if the top of the PVC casing is greater than 6 inches below the ground surface, do not use it as the survey point, instead use the lip or rim of the protective casing. Clearly note the survey point of each well in the survey notes.

- Obtain the following for each monitoring well survey location:

  a) the elevation of the top of the well casing (T.O.C.);
  b) the elevation of the lip or rim of the protective casing (T.O.R.)

- Permanently mark the survey point with paint or permanent marker.

- Place the rod on the survey point and hold it vertical; move it backwards and forwards to determine the most accurate reading.

- Calculate the elevation from the middle cross hair reading.

- Limit the number of times the instrument must be moved.

- After completing level readings at each set up, shoot back to two or more wells to close the level run.

- In a multiple-station survey, always shoot at least two known points for each station.

- Where there is a significant topographic change across a site, additional survey information will be required in order to document the ground surface elevation differences; this information is critical when drawing cross-sections and in planning trenching and infiltration gallery installations.

- Calculate elevations before moving instrument to determine if there are any irregularities or errors.

5.8 Turning Points

- A TP (turning point) is used when all of the survey points cannot be seen form one instrument position and the instrument must be moved.

- The TP essentially establishes a new bench mark from which a new height of instrument is calculated.

- A TP can be a permanent structure, a PK, the original BM or a well. (A PK is a surveyor's nail driven into the ground/asphalt to create a hub for the rod to rest upon.)

- Complete the following steps to create a TP:

  a) take a FS (foresight) on the TP and record the measurement under the FS column in the field book;
  b) the FS is subtracted from the HI (height of instrument) for the current instrument location to determine the elevation of the TP;
  c) the instrument is then moved to a new location and leveled;
  d) a BS (backsight) reading is taken to the TP and entered in the BS column in the field book;
  e) the BS is added to the TP to determine the new HI elevation;
  f) NOTE: the TP entry in the survey data in the field book will always have 4 entries: BS, FS, HI, and elevation.

5.9 Taping locations

- Use a tape to verify distances that were surveyed with the instrument.

- Obtain three measurements for each location.

- Pull the tape tightly between points being measured.

- Measure dimensions of buildings on site to confirm base maps.

7.0 EXCAVATION AND TRENCH SOIL SAMPLING

7.1 Purpose

Underground Storage Tank (UST) decommissioning requires documentation of soil conditions. If tank closure is accomplished by excavation, removal and destruction of the tanks and lines, collection of representative samples for subsequent analysis is imperative. Utilizing the following procedures enables Groundwater Technology to secure the best possible retrieval of observations and samples.

7.2 Equipment

- Field Book, standard Surveyor's, waterproof, 5" x 7"
- Pencils
- Clipboard
- 6' folding ruler
- 50' cloth or fiberglass tape with weight
- Interface probe
- PID or other organic vapor screening device
- Sampling jars with air-tight Teflon lids, brass liners, 2" dia. x 6" long
- Aluminum foil or Teflon tape
- Bailer
- Rags probe wipers
- Alconox solution, distilled water, and H_2O
- Contract Documents, site plan, site sampling plan (QAPP), Site Safety Plan
- Lumber crayon or waterproof marking pen
- Safety equipment such as hard hat, appropriate footwear, respirator, goggles, ear plugs, gloves
- Copies of maps such as topographic or site vicinity
- Pocket knife
- Camera

7.3 Procedure

There are a number of preparations to be made by the Geologist/ Environmental Scientist before a site investigation begins. Attending to these preparations can increase the efficiency and quality of the work to be accomplished.

Before going into the field, each Geologist/Environmental Scientist should be completely familiar with the long and short term project objectives. He or she should review all of the available information about a site including site geology and the nature of the project. He or she should be familiar with all installation and sampling procedures that will be required.

It is the responsibility of the Project Manager to clearly describe the nature of each project and the amount of and type of work to be performed at a site. It is the responsibility of the Geologist/Environmental Scientist to make certain they understand what they are being asked to find out or do and, if they do not understand, then to ASK QUESTIONS.

The importance of communication and documentation cannot be stressed enough. What is not written down is often lost. What is written down and not pointed out may be inadvertently overlooked.

7.3.1 The principle reason for requiring excavation supervision is to acquire reliable information.

7.3.2 While supervising a tank or piping excavation, the Geologist should always make certain that accurate depth measurements are made by ruler and not by visually "eyeballing" the measurements.

7.3.3 Discrepancies between the excavator's statements of depth and the Geologist's should be immediately clarified by remeasurement so that the operator and the Geologist are in agreement.

7.3.4 Note strata changes that occur during excavation. Strata changes can be estimated by observing changes in color, soil-type, or the ease of excavation.

7.3.5 Photographic records of site conditions are an important tool for filling in narrative discussion. Do not hesitate to take pictures of all site activities before, during, and after. Label and record each photograph in your field notes according to procedures similar to section 7.4.1 (b).

7.4 Sample Collection Methods

7.4.1 The following information must be kept during the sampling events:

(a) A sketch of the site must be made which clearly shows all of the sample locations and identifies each location with a unique sample identification code.

(b) Each soil and water sample must be clearly labeled with its sample identification code. A written record must be maintained which includes, but is not limited to: the date, time and location of the sample collection; the name of the person collecting the sample; how the sample was collected; and any unusual or unexpected problems encountered during the sample collection which may have affected the sample integrity.

(c) Formal chain-of-custody records must be maintained for each sample.

7.4.2 If soil samples cannot be safely collected from the excavation, a backhoe may be used to remove a bucket of native soil from each of the sample areas. The soil is to be brought rapidly to the surface where samples are to be immediately taken from the soil in the bucket.

7.4.3 The following procedures must be used for the collection of soil samples from open pits or trenches:

(a) Just prior to collecting each soil sample, approximately three inches of soil must be rapidly scraped away from the surface of the sample location.

(b) To minimize the loss of volatile materials, it is recommended that samples be taken using a driven-tube type sampler. A clean brass or stainless steel tube of at least one inch in diameter and three inches in length may be used for this purpose. The tube should be driven into the soil with a suitable instrument such as a wooden mallet or hammer.

(c) The ends of the sample-filled tube must be immediately covered with clean aluminum foil or Teflon^{R} tape. The foil must be held in place by plastic end caps which are then sealed onto the tube with a suitable tape.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office, 3190 - 160th Ave S.E. • Bellevue, Washington 98008-5452 • (425) 649-7000

March 24, 1999

Harriet Barret
2400 East Helen St.
Seattle, Washington 98144

Dear Mrs. Barret

Re: Independent Remedial Action
Barret Property 416 Rainier Avenue South, Seattle, WA.

Thank you for submitting the results of your independent remedial action(s) for review by the State of Washington Department of Ecology (Ecology). Ecology appreciates your initiative in pursuing this administrative option under the Model Toxics Control Act (MTCA).

Ecology's Toxics Cleanup Program has reviewed the following information regarding the former Barret Property located at 416 Rainier Avenue South, Seattle, Washington:

1. Report of Permanent UST Decommissioning and Closure at the Barret Property 416 Rainier Avenue South, Seattle, WA.: October 14, 1998; Flour Daniel GTI.

2. Request for Review of Completed Cleanup at the Barret Property 416 Rainier Avenue South Seattle, WA: October 21, 1998; Flour Daniel GTI.

3. Addendum to " Review of Completed Cleanup at the Barret Property 416 Rainier Avenue South Seattle, WA: March 23, 1999; Flour Daniel GTI.

The report(s) listed above will be kept in the Central Files of the Northwest Regional Office (NWRO) of Ecology for review by appointment only. Appointments can be made by calling Sally Perkins at the NWRO at (425) 649-7190.

Based upon the information in the reports listed above, Ecology has determined that, at this time, the release of petroleum hydrocarbons into the soil and groundwater no longer poses a threat to human health or the environment.

Therefore, Ecology is issuing this determination that no further remedial action is necessary at this site under MTCA, chapter 70.105D RCW. However, please note that because your actions were not conducted under a consent decree with Ecology, this letter is written pursuant to RCW 70.105D.030(1)(i) and does not constitute a settlement by the state under RCW 70.105D.040(4) and is not binding on Ecology.

Ecology will update its Leaking Underground Storage Tank database to reflect this "No Further Action" determination. Your site will not appear in future publications of the LUST database.

The state, Ecology, and its officers and employees are immune from all liability and no cause of action of any nature may arise from any act or omission in providing this determination.

If you have any questions, please contact me at 425-649-4446.

Sincerely,

John Lillie
Toxics Cleanup Program

JTL:jtl

cc: Stan Haskins Flour Daniel GTI

IT Corporation
555 South Renton Village Place, Suite 700
Renton, WA 98055-3295
Tel. 425.228.9645
Fax. 425.228.9793

A Member of The IT Group

March 23, 1999

Mr. John Lilly
Washington Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-4542

**RE: Addendum to "Request for Review of Completed Cleanup at The Barrett Property"
416 Rainier Avenue South Seattle, Washington**

Dear Mr. Lilly:

IT Corporation (IT), on behalf of Harriet Barrett, is sending this Addendum to the letter "Request for Review of the Completed Cleanup at the Barrett Property", dated October 21, 1998. On March 1, 1999, IT collected a soil sample for Interim TPH analysis. The sample was collected from the petroleum impacted area located underneath the sidewalk bordering the western edge of the site (Figure 1). To ensure sample GB-1 was collected from the impacted soil interval identified in previous work it was taken at a depth of eight to nine feet below grade, from soil matching the lithology of the two previous soil samples impacted with TPH-G. Further, it was noted during collection that soil sample GB-1 had a petroleum odor.

Compounds analyzed by the Interim TPH method were not detected at or above the method reporting limit. A complete analytical breakdown can be found in the attached Laboratory report. This sample data limits the extent to which petroleum contaminated soil (PCS) could remain at the site to a very few cubic feet which we were unable to excavate due to the proximity of the sidewalk and a power pole.

Based on the GB-1 sample data and the information delineated in the previous letter we conclude that cleanup of petroleum hydrocarbons at the site has been achieved to the point that the Barrett Property warrants "No Further Action" status. Please call Stan Haskins at (425) 228-9645 if you have questions or comments.

Sincerely,
IT Corporation

Stan Haskins for

Chris N. Storey
Staff Engineer

IT Corporation

Stan Haskins

Stan Haskins, R.G.
Project Manager

cc: John Barrett
attachments

IT Corporation
555 South Renton Village Place, Suite 700
Renton, WA 98055-3295
Tel. 425.228.9645
Fax. 425.228.9793

A Member of The IT Group

the IT group

Fax Transmission

Date: 3/23/99 Project: Barrett

To: John Lilly

Location: WDOE NW

Fax #:

From: Stan Hastings Total Pages (including cover): 7

Originals to follow: ☐ by mail ☐ by courier ☐ fax only

Message: Letter and labs + figure sent out in Todays mail.

Stan

IT Corporation
555 South Renton Village Place, Suite 700
Renton, WA 98055-3295
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Fax. 425.228.9793

A Member of The IT Group

March 23, 1999

Mr. John Lilly
Washington Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-4542

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Sincerely,
IT Corporation

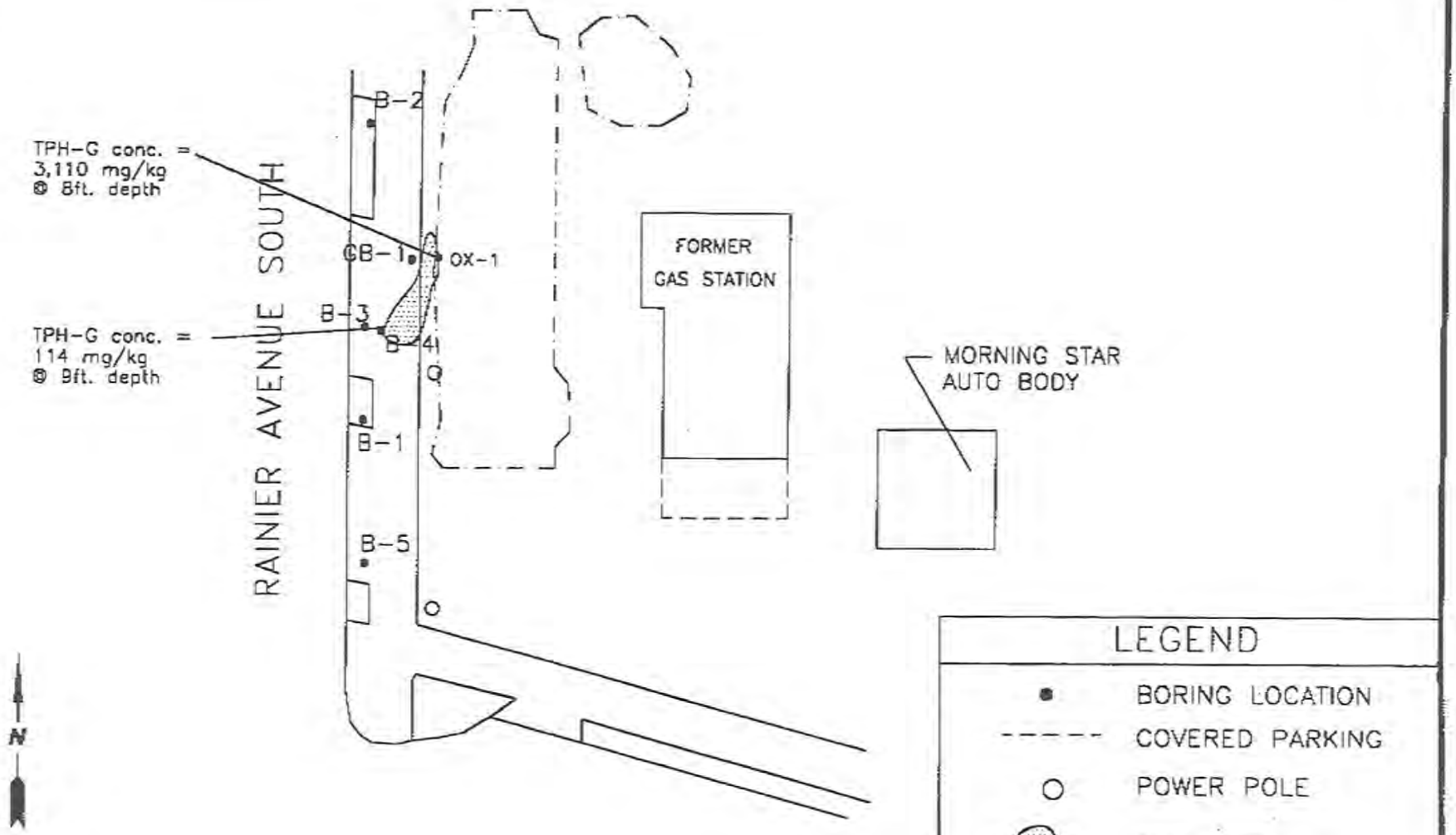
Stan Haskins for:

Chris N. Storey
Staff Engineer

IT Corporation

Stan Haskins, R.G.
Project Manager

cc: John Barrett
attachments



FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	BARRET PROPERTY BORING LOCATION MAP
FILE: REVSP	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 1
REV:		DES: / DET: CNS / DATE: 3/22/99	

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541.383.9310 fax 541.382.7588

IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
GB-1	B903043-01	Soil	3/1/99

RECEIVED MAR 1 3 1999

North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joy B Chang, Project Manager

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Environmental Laboratory Network

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Volatile Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
C5-C6 Aliphatics	0390389	3/15/99	3/15/99		5.00	ND	mg/kg dry	
C6-C8 Aliphatics	"	"	"		5.00	ND	"	
C8-C10 Aliphatics	"	"	"		5.00	ND	"	
C10-C12 Aliphatics	"	"	"		5.00	ND	"	
C8-C10 Aromatics	"	"	"		5.00	ND	"	
C10-C12 Aromatics	"	"	"		5.00	ND	"	
C12-C13 Aromatics	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*60.0-140*		*84.4*	%	
Surrogate: 4-BFB (PID)	"	"	"	*60.0-140*		*87.6*	"	

North Creek Analytical - Bothell

**Refer to end of report for text of notes and definitions.*

Joy B Chang, Project Manager

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

BTEX, MTBE and Naphthalene by WDOE Interim TPH Policy Method using GC/MS
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
Methyl tert-butyl ether	0390065	3/3/99	3/3/99		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.100	ND	"	
Toluene	"	"	"		0.100	ND	"	
Ethylbenzene	"	"	"		0.100	ND	"	
m,p-Xylene	"	"	"		0.200	ND	"	
o-Xylene	"	"	"		0.100	ND	"	
Naphthalene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*91.6*	*%*	
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*81.4*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*89.0*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*80.6*	"	

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**Refer to end of report for text of notes and definitions.*

Joy B Chang, Project Manager

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Extractable Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
C8-C10 Aliphatics	0390147	3/9/99	3/8/99		5.00	ND	mg/kg dry	
C10-C12 Aliphatics	"	"	"		5.00	ND	"	
C12-C16 Aliphatics	"	"	"		5.00	ND	"	
C16-C21 Aliphatics	"	"	"		5.00	ND	"	
C21-C34 Aliphatics	"	"	"		5.00	ND	"	
C10-C12 Aromatics	"	"	3/13/99		5.00	ND	"	
C12-C16 Aromatics	"	"	"		5.00	ND	"	
C16-C21 Aromatics	"	"	"		5.00	ND	"	
C21-C34 Aromatics	"	"	"		5.00	ND	"	
Extractable Petroleum Hydrocarbons	"	"	3/8/99			ND	"	
Surrogate: 2-FBP	"	"	*3/13/99*	*50.0-150*		*76.2*	*%*	
Surrogate: Octacosane	"	"	*3/8/99*	*50.0-150*		*64.5*	"	
Surrogate: Undecane	"	"	"	*30.0-150*		*69.4*	"	

North Creek Analytical - Bothell

**Refer to end of report for text of notes and definitions.*

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

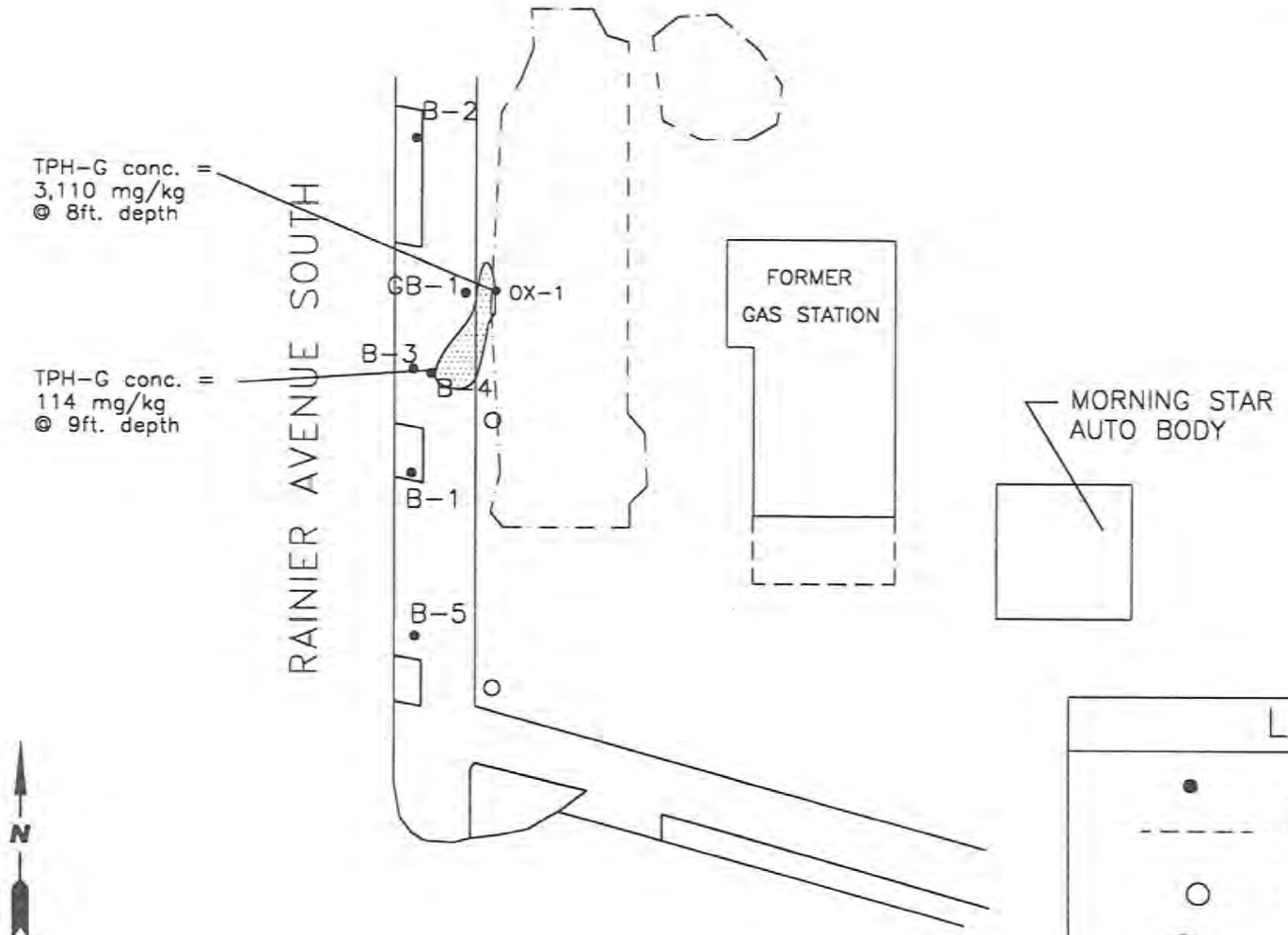
Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
Acenaphthene	0390147	3/9/99	3/12/99		0.0100	ND	mg/kg dry	
Acenaphthylene	"	"	"		0.0100	ND	"	
Anthracene	"	"	"		0.0100	ND	"	
Benzo (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0100	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0100	ND	"	
Benzo (ghi) perylene	"	"	"		0.0100	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0100	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0100	ND	"	
Fluoranthene	"	"	"		0.0100	ND	"	
Fluorene	"	"	"		0.0100	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.0100	ND	"	
2-Methylnaphthalene	"	"	"		0.0100	ND	"	
Naphthalene	"	"	"		0.0100	ND	"	
Phenanthrene	"	"	"		0.0100	ND	"	
Pyrene	"	"	"		0.0100	ND	"	
Surrogate: p-Terphenyl-d14	"	"	"	*30.0-150*		*66.1*	%	

North Creek Analytical - Bothell

**Refer to end of report for text of notes and definitions.*

Joy B Chang, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	BARRET PROPERTY BORING LOCATION MAP
FILE: REVSP	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 1
REV:	DES: / DET: CNS / DATE: 3/22/99		

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
GB-1	B903043-01	Soil	3/1/99

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Volatile Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
C5-C6 Aliphatics	0390389	3/15/99	3/15/99		5.00	ND	mg/kg dry	
C6-C8 Aliphatics	"	"	"		5.00	ND	"	
C8-C10 Aliphatics	"	"	"		5.00	ND	"	
C10-C12 Aliphatics	"	"	"		5.00	ND	"	
C8-C10 Aromatics	"	"	"		5.00	ND	"	
C10-C12 Aromatics	"	"	"		5.00	ND	"	
C12-C13 Aromatics	"	"	"		5.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*60.0-140*		*84.4*	%	
Surrogate: 4-BFB (PID)	"	"	"	*60.0-140*		*87.6*	"	

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

BTEX, MTBE and Naphthalene by WDOE Interim TPH Policy Method using GC/MS
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			**B903043-01**				**Soil**	
Methyl tert-butyl ether	0390065	3/3/99	3/3/99		1.00	ND	mg/kg dry	
Benzene	"	"	"		0.100	ND	"	
Toluene	"	"	"		0.100	ND	"	
Ethylbenzene	"	"	"		0.100	ND	"	
m,p-Xylene	"	"	"		0.200	ND	"	
o-Xylene	"	"	"		0.100	ND	"	
Naphthalene	"	"	"		0.100	ND	"	
Surrogate: 2-Bromopropene	"	"	"	*70.0-130*		*91.6*	%	
Surrogate: 1,2-DCA-d4	"	"	"	*70.0-130*		*81.4*	"	
Surrogate: Toluene-d8	"	"	"	*70.0-130*		*89.0*	"	
Surrogate: 4-BFB	"	"	"	*70.0-130*		*80.6*	"	

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Extractable Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			B903043-01				Soil	
C8-C10 Aliphatics	0390147	3/9/99	3/8/99		5.00	ND	mg/kg dry	
C10-C12 Aliphatics	"	"	"		5.00	ND	"	
C12-C16 Aliphatics	"	"	"		5.00	ND	"	
C16-C21 Aliphatics	"	"	"		5.00	ND	"	
C21-C34 Aliphatics	"	"	"		5.00	ND	"	
C10-C12 Aromatics	"	"	3/13/99		5.00	ND	"	
C12-C16 Aromatics	"	"	"		5.00	ND	"	
C16-C21 Aromatics	"	"	"		5.00	ND	"	
C21-C34 Aromatics	"	"	"		5.00	ND	"	
Extractable Petroleum Hydrocarbons	"	"	3/8/99			ND	"	
Surrogate: 2-FBP	"	"	*3/13/99*	*50.0-150*		*76.2*	*%*	
Surrogate: Octacosane	"	"	*3/8/99*	*50.0-150*		*64.5*	"	
Surrogate: Undecane	"	"	"	*30.0-150*		*69.4*	"	

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**Refer to end of report for text of notes and definitions.*

Joy B Chang, Project Manager

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
GB-1			**B903043-01**				**Soil**	
Acenaphthene	0390147	3/9/99	3/12/99		0.0100	ND	mg/kg dry	
Acenaphthylene	"	"	"		0.0100	ND	"	
Anthracene	"	"	"		0.0100	ND	"	
Benzo (a) anthracene	"	"	"		0.0100	ND	"	
Benzo (a) pyrene	"	"	"		0.0100	ND	"	
Benzo (b) fluoranthene	"	"	"		0.0100	ND	"	
Benzo (ghi) perylene	"	"	"		0.0100	ND	"	
Benzo (k) fluoranthene	"	"	"		0.0100	ND	"	
Chrysene	"	"	"		0.0100	ND	"	
Dibenz (a,h) anthracene	"	"	"		0.0100	ND	"	
Fluoranthene	"	"	"		0.0100	ND	"	
Fluorene	"	"	"		0.0100	ND	"	
Indeno (1,2,3-cd) pyrene	"	"	"		0.0100	ND	"	
2-Methylnaphthalene	"	"	"		0.0100	ND	"	
Naphthalene	"	"	"		0.0100	ND	"	
Phenanthrene	"	"	"		0.0100	ND	"	
Pyrene	"	"	"		0.0100	ND	"	
Surrogate: p-Terphenyl-d14	"	"	"	*30.0-150*		*66.1*	%	

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IT Corporation - Renton	Project:	Barrett	Sampled:	3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received:	3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported:	3/16/99 11:23

Dry Weight Determination
North Creek Analytical - Bothell

Sample Name	Lab ID	Matrix	Result	Units
GB-1	B903043-01	Soil	84.3	%

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Volatile Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0390389	**Date Prepared: 3/15/99**					**Extraction Method: EPA 5030B (P/T)**				
Blank	**0390389-BLK1**									
C5-C6 Aliphatics	3/15/99			ND	mg/kg dry	5.00				
C6-C8 Aliphatics	"			ND	"	5.00				
C8-C10 Aliphatics	"			ND	"	5.00				
C10-C12 Aliphatics	"			ND	"	5.00				
C8-C10 Aromatics	"			ND	"	5.00				
C10-C12 Aromatics	"			ND	"	5.00				
C12-C13 Aromatics	"			ND	"	5.00				
Surrogate: 4-BFB (FID)	"	*4.00*		*3.89*	"	*60.0-140*	*97.3*			
Surrogate: 4-BFB (PID)	"	*4.00*		*3.90*	"	*60.0-140*	*97.5*			
LCS	**0390389-BS1**									
C5-C6 Aliphatics	3/15/99	2.00		1.83	mg/kg dry	70.0-130	91.5			
C6-C8 Aliphatics	"	1.00		0.721	"	70.0-130	72.1			
C8-C10 Aliphatics	"	1.00		0.870	"	70.0-130	87.0			
C10-C12 Aliphatics	"	1.00		1.01	"	70.0-130	101			
C8-C10 Aromatics	"	4.00		3.96	"	70.0-130	99.0			
C10-C12 Aromatics	"	1.00		1.03	"	70.0-130	103			
C12-C13 Aromatics	"	2.00		2.64	"	70.0-130	132			1
Surrogate: 4-BFB (FID)	"	*4.00*		*4.06*	"	*60.0-140*	*101*			
Surrogate: 4-BFB (PID)	"	*4.00*		*4.07*	"	*60.0-140*	*102*			
Duplicate	**0390389-DUP1**	**B903043-01**								
C5-C6 Aliphatics	3/15/99		ND	ND	mg/kg dry			25.0		
C6-C8 Aliphatics	"		ND	ND	"			25.0		
C8-C10 Aliphatics	"		ND	ND	"			25.0		
C10-C12 Aliphatics	"		ND	ND	"			25.0		
C8-C10 Aromatics	"		ND	ND	"			25.0		
C10-C12 Aromatics	"		ND	ND	"			25.0		
C12-C13 Aromatics	"		ND	ND	"			25.0		
Surrogate: 4-BFB (FID)	"	*4.75*		*4.42*	"	*60.0-140*	*93.1*			
Surrogate: 4-BFB (PID)	"	*4.75*		*4.57*	"	*60.0-140*	*96.2*			

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

BTEX, MTBE and Naphthalene by WDOE Interim TPH Policy Method using GC/MS/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0390065	**Date Prepared: 3/3/99**					**Extraction Method: EPA 5030B [MeOH]**				
Blank	**0390065-BLK1**									
Methyl tert-butyl ether	3/3/99			**ND**	mg/kg dry	**1.00**				
Benzene	"			**ND**	"	**0.100**				
Toluene	"			**ND**	"	**0.100**				
Ethylbenzene	"			**ND**	"	**0.100**				
m,p-Xylene	"			**ND**	"	**0.200**				
o-Xylene	"			**ND**	"	**0.100**				
Naphthalene	"			**ND**	"	**0.100**				
Surrogate: 2-Bromopropene	"	*2.00*		*1.95*	"	*70.0-130*	*97.5*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.96*	"	*70.0-130*	*98.0*			
Surrogate: Toluene-d8	"	*2.00*		*2.14*	"	*70.0-130*	*107*			
Surrogate: 4-BFB	"	*2.00*		*1.77*	"	*70.0-130*	*88.5*			
LCS	**0390065-BS1**									
Benzene	3/3/99	1.00		0.875	mg/kg dry	70.0-130	87.5			
Toluene	"	1.00		0.840	"	70.0-130	84.0			
Surrogate: 2-Bromopropene	"	*2.00*		*1.89*	"	*70.0-130*	*94.5*			
Surrogate: 1,2-DCA-d4	"	*2.00*		*1.84*	"	*70.0-130*	*92.0*			
Surrogate: Toluene-d8	"	*2.00*		*1.91*	"	*70.0-130*	*95.5*			
Surrogate: 4-BFB	"	*2.00*		*1.66*	"	*70.0-130*	*83.0*			
Matrix Spike	**0390065-MS1**		**B902473-04**							
Benzene	3/3/99	1.12	ND	1.03	mg/kg dry	70.0-130	**92.0**			
Toluene	"	1.12	ND	0.915	"	70.0-130	**81.7**			
Surrogate: 2-Bromopropene	"	*2.23*		*2.12*	"	*70.0-130*	*95.1*			
Surrogate: 1,2-DCA-d4	"	*2.23*		*2.08*	"	*70.0-130*	*93.3*			
Surrogate: Toluene-d8	"	*2.23*		*2.03*	"	*70.0-130*	*91.0*			
Surrogate: 4-BFB	"	*2.23*		*1.91*	"	*70.0-130*	*85.7*			
Matrix Spike Dup	**0390065-MSD1**		**B902473-04**							
Benzene	3/3/99	1.12	ND	1.03	mg/kg dry	70.0-130	**92.0**	20.0	**0**	
Toluene	"	1.12	ND	1.06	"	70.0-130	**94.6**	20.0	**14.6**	
Surrogate: 2-Bromopropene	"	*2.23*		*1.94*	"	*70.0-130*	*87.0*			
Surrogate: 1,2-DCA-d4	"	*2.23*		*1.85*	"	*70.0-130*	*83.0*			
Surrogate: Toluene-d8	"	*2.23*		*2.19*	"	*70.0-130*	*98.2*			
Surrogate: 4-BFB	"	*2.23*		*1.82*	"	*70.0-130*	*81.6*			

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Extractable Petroleum Hydrocarbons by modified WDOE Interim TPH Policy Method/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0390147	**Date Prepared: 3/4/99**					**Extraction Method: EPA 3550B**				
Blank	**0390147-BLK1**									
C8-C10 Aliphatics	3/13/99			ND	mg/kg dry	5.00				
C10-C12 Aliphatics	"			ND	"	5.00				
C12-C16 Aliphatics	"			ND	"	5.00				
C16-C21 Aliphatics	"			ND	"	5.00				
C21-C34 Aliphatics	"			ND	"	5.00				
C10-C12 Aromatics	3/8/99			ND	"	5.00				
C12-C16 Aromatics	"			ND	"	5.00				
C16-C21 Aromatics	"			ND	"	5.00				
C21-C34 Aromatics	"			ND	"	5.00				
Extractable Petroleum Hydrocarbons	"			ND	"					
Surrogate: 2-FBP	"	*12.0*		*9.90*	"	*50.0-150*	*82.5*			
Surrogate: Octacosane	*3/13/99*	*12.3*		*10.7*	"	*50.0-150*	*87.0*			
Surrogate: Undecane	"	*13.3*		*9.72*	"	*30.0-150*	*73.1*			
LCS	**0390147-BS1**									
Extractable Petroleum Hydrocarbons	3/8/99	167		138	mg/kg dry	30.0-120	82.6			
Surrogate: 2-FBP	"	*12.0*		*7.79*	"	*50.0-150*	*64.9*			
Surrogate: Octacosane	*3/12/99*	*12.3*		*14.2*	"	*50.0-150*	*115*			
Surrogate: Undecane	"	*13.3*		*10.9*	"	*30.0-150*	*82.0*			
LCS Dup	**0390147-BSD1**									
Extractable Petroleum Hydrocarbons	3/8/99	167		123	mg/kg dry	30.0-120	73.7	40.0	11.4	
Surrogate: 2-FBP	"	*12.0*		*8.49*	"	*50.0-150*	*70.7*			
Surrogate: Octacosane	"	*12.3*		*6.23*	"	*50.0-150*	*50.7*			
Surrogate: Undecane	"	*13.3*		*10.5*	"	*30.0-150*	*78.9*			
Matrix Spike	**0390147-MS1**		**B902408-16**							
Extractable Petroleum Hydrocarbons	3/8/99	194	3760	3640	mg/kg dry	30.0-120	NR			2
Surrogate: 2-FBP	"	*14.0*		*10.4*	"	*50.0-150*	*74.3*			
Surrogate: Octacosane	"	*14.3*		*ND*	"	*50.0-150*	*NR*			*3*
Surrogate: Undecane	"	*15.4*		*11.1*	"	*30.0-150*	*72.1*			

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IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0390147	**Date Prepared: 3/4/99**				**Extraction Method: EPA 3550B**					
Blank	**0390147-BLK1**									
Acenaphthene	3/9/99			ND	mg/kg dry	0.0100				
Acenaphthylene	"			ND	"	0.0100				
Anthracene	"			ND	"	0.0100				
Benzo (a) anthracene	"			ND	"	0.0100				
Benzo (a) pyrene	"			ND	"	0.0100				
Benzo (b) fluoranthene	"			ND	"	0.0100				
Benzo (ghi) perylene	"			ND	"	0.0100				
Benzo (k) fluoranthene	"			ND	"	0.0100				
Chrysene	"			ND	"	0.0100				
Dibenz (a,h) anthracene	"			ND	"	0.0100				
Fluoranthene	"			ND	"	0.0100				
Fluorene	"			ND	"	0.0100				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.0100				
2-Methylnaphthalene	"			ND	"	0.0100				
Naphthalene	"			ND	"	0.0100				
Phenanthrene	"			ND	"	0.0100				
Pyrene	"			ND	"	0.0100				
Surrogate: p-Terphenyl-d14	"	*0.267*		*0.224*	"	*30.0-150*	*83.9*			
Blank	**0390147-BLK2**									
Acenaphthene	3/12/99			ND	mg/kg dry	0.0100				
Acenaphthylene	"			ND	"	0.0100				
Anthracene	"			ND	"	0.0100				
Benzo (a) anthracene	"			ND	"	0.0100				
Benzo (a) pyrene	"			ND	"	0.0100				
Benzo (b) fluoranthene	"			ND	"	0.0100				
Benzo (ghi) perylene	"			ND	"	0.0100				
Benzo (k) fluoranthene	"			ND	"	0.0100				
Chrysene	"			ND	"	0.0100				
Dibenz (a,h) anthracene	"			ND	"	0.0100				
Fluoranthene	"			ND	"	0.0100				
Fluorene	"			ND	"	0.0100				
Indeno (1,2,3-cd) pyrene	"			ND	"	0.0100				
2-Methylnaphthalene	"			ND	"	0.0100				
Naphthalene	"			ND	"	0.0100				
Phenanthrene	"			ND	"	0.0100				
Pyrene	"			ND	"	0.0100				

www.ncalabs.com

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425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20354 Empire Avenue, Suite E-9, Bend, OR 97708-1883
541.383.9310 fax 541.382.7588

IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0390147-BLK2**									
Surrogate: p-Terphenyl-d14	*3/12/99*	*0.267*		*0.214*	*mg/kg dry*	*30.0-150*	*80.1*			
LCS	**0390147-BS2**									
Chrysene	3/12/99	0.333		0.290	mg/kg dry	10.0-125	87.1			
Fluorene	"	0.333		0.291	"	11.0-116	87.4			
Indeno (1,2,3-cd) pyrene	"	0.333		0.316	"	10.0-147	94.9			
Surrogate: p-Terphenyl-d14	"	*0.267*		*0.197*	"	*30.0-150*	*73.8*			
LCS Dup	**0390147-BSD2**									
Chrysene	3/12/99	0.333		0.311	mg/kg dry	10.0-125	93.4	28.0	6.98	
Fluorene	"	0.333		0.292	"	11.0-116	87.7	32.0	0.343	
Indeno (1,2,3-cd) pyrene	"	0.333		0.345	"	10.0-147	104	34.0	9.15	
Surrogate: p-Terphenyl-d14	"	*0.267*		*0.213*	"	*30.0-150*	*79.8*			
Matrix Spike	**0390147-MS2**		**B903043-01**							
Chrysene	3/12/99	0.396	ND	0.382	mg/kg dry	10.0-125	**96.5**			
Fluorene	"	0.396	ND	0.320	"	10.0-154	**80.8**			
Indeno (1,2,3-cd) pyrene	"	0.396	ND	0.419	"	10.0-144	**106**			
Surrogate: p-Terphenyl-d14	"	*0.316*		*0.259*	"	*30.0-150*	*82.0*			

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541.383.9310 fax 541.382.7588

IT Corporation - Renton	Project:	Barrett	Sampled: 3/1/99
555 South Renton Village Place, Ste 700	Project Number:	108314-60200000	Received: 3/2/99
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 3/16/99 11:23

Notes and Definitions

#	Note
1	The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
2	Analyses are not controlled on matrix spike RPD and/or percent recoveries when the sample concentration is significantly higher than the spike level.
3	Due to interference from coeluting organic compounds with the primary surrogate, results of the secondary surrogate have been used to control the analysis.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

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9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 906-9200 FAX 906-9210

CHAIN OF CUSTODY REPORT

Work Order # B903043

REPORT TO: THE IT CORP
ATTENTION: Stan Haskins
ADDRESS: 555 S. Renton Village Place #700
PHONE: 425-228-9645 FAX: 425-228-9793
PROJECT NAME: Barrett
PROJECT NUMBER: ~~Barrett~~ 108314-602000000
SAMPLED BY: Chris Storey

INVOICE TO: " "
ATTENTION: Connie Hoffman
ADDRESS: " "
P.O. NUMBER: NCA QUOTE #:

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: ~~10~~ Standard | 7 | 5 | 4 | 3 | 2 | 1 | Same Day
Fuels & Hydrocarbon Analyses: 5 Standard | 3-4 | 2 | 1 | Same Day
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	Analysis Request: X BTEX/MTBE TPH (EPA-WPH)	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1.	GB-1	3/1/99 10:35	B903043-01	X			
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

RELINQUISHED BY (Signature): Chris N. Storey	DATE: 3/2/99	RECEIVED BY (Signature): K Barker	DATE: 3/2/99
PRINT NAME: Chris N. Storey	FIRM: IT CORP	TIME: 8:45	PRINT NAME: K Barker	FIRM: NCA	TIME: 1110
RELINQUISHED BY (Signature): K. Barker	DATE: 3/2/99	RECEIVED BY (Signature): Dana Heinz	DATE: 3/2/99
PRINT NAME: K Barker	FIRM: NCA	TIME: 1435	PRINT NAME: D. Heinz	FIRM: NCAB	TIME: 1435

ADDITIONAL REMARKS:

13.0 w/o

PAGE OF

FLUOR DANIEL GTI

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DEPT. OF ECOLOGY

October 21, 1998

Washington Department of Ecology
Independent Report Review
3190 160th Avenue SE
Bellevue, WA 98008-4542

RE: Request for Review of Completed Cleanup at
The Barrett Property
416 Rainier Avenue South Seattle, Washington

Dear Sir or Madam:

Fluor Daniel GTI (FDGTI), on behalf of Harriet Barrett, is requesting review of the completed cleanup activities under the WDOE Voluntary Cleanup Program (VCP) for the above-referenced site. Enclosed with this letter report is a copy of "Permanent UST Decommissioning and Closure at the Barrett Property 416 Avenue South", receipts for soil disposal, a VCP Request for Assistance Form, VCP Site Summary, and a check for $500.

Background

The site is located in a mixed residential and commercial area in Seattle, Washington east of Rainier Avenue South and north of King Street. The site is situated in the northwest quarter of the northwest quarter of Section 4, Township 24 North, Range 4 East. Topographically, the site slopes to the south. The site was a former gas station. Historically, leaded fuels and kerosene have been stored and dispensed at the site. The former underground storage tank system included two 3,000-gallon and one 1,000-gallon steel tanks and the associated subgrade piping.

In August, 1998 the UST and subgrade equipment was decommissioned and removed by Joe Hall Construction. The USTs were intact and in good condition except for the 1,000 gallon tank on the north end of the property, which showed evidence of rusting and pitting. Two excavations were completed to remove Petroleum contaminated soil (PCS) from the site.

Based on laboratory results, approximately 400 cubic yards of soil was removed from the site. The two excavations were 8 to 15 feet deep and extended down to the top a very dense glacial till. Of the 17 soil samples collected at the excavation extents, only one failed to meet the Washington State Department of Ecology (WDOE) Method A Compliance Cleanup Levels (CCL(a)s). Confirmation soil sample OX-1, collected along the western sidewall of the excavation, contained a reported total petroleum hydrocarbons-as-gasoline (TPH-G) concentration exceeding the CCL(a) (Figure 3). A water sample TP-2W collected from the northern tank pit contained benzene, toluene, ethylbenzene, xylene, and TPH-G concentrations exceeding the CCL(a)s. No water was encountered in the larger and deeper of the two excavations.

555 South Renton Village Place, Suite 700 / Renton, WA 98055 USA (425) 228-9645 FAX (425) 228-9793

Site Assessment Soil Borings

A site assessment was completed at the site on September 17, 1998 to define the limits of PCS along Rainier Avenue South. During the investigation five soil borings up to 13 feet deep were drilled by Transglobal Environmental Geosciences Northwest Inc. (TEG) using mobile soil probe equipment. The borings were drilled along Rainier Avenue South west of the former excavation (Figure 3). The boring locations and depths were chosen based on their proximity to earlier sample locations where PCS had been confirmed. Soil samples were collected between 6 and 13 feet below grade to investigate the horizon represented by sample OX-1. The borings were driven into the glacial till observed during PCS excavation. Approximately 6 to 18 inches of moist to wet soil was encountered in each of the borings just above the glacial till, however the glacial till itself was dry.

Eleven soil samples were submitted to North Creek Analytical for BTEX and TPH-G analysis. Only one soil sample, B-4B, had an analyte concentration reported above CCL(a)s. Sample B-4B was collected at a depth of nine feet below grade and approximately ten feet southwest of sample OX-1. TPH-G was the only analyte reported above the CCL(a) at a concentration of 114 milligrams per kilogram. A complete listing of the analytical results from the assessment soil borings is shown in Table 1.

Discussion

It appears that approximately 5-6 cubic yards of PCS containing TPH-G may remain in place along Rainier Avenue South. This soil is located in a 6 by 15 foot area in between samples OX-1 and B-4B in an 18 inch layer of soil at an approximate depth of eight feet below grade.

Groundwater was encountered at the site, but appears to be limited both areally and in quantity to local perched horizons resting on the glacial till. This assertion is supported by the fact that the large excavation at the site, which was 15 feet deep and extended to the top of the till, did not encounter water even though an 8 foot deep excavation 10 feet east collected some water. Further, during assessment drilling the glacial till was dry in each of five borings, although the soil immediately above it was moist to wet.

Recommendations

Fluor Daniel GTI believes that no further actions are necessary at the subject site. The following list summarizes the data which supports our position:

- The underground storage tank system and subgrade piping, has been removed.
- Approximately ninety nine percent (389 out of 395 cubic yards) of the petroleum hydrocarbon mass has been mitigated by excavation.
- Petroleum impacted soil remaining along Rainier Avenue South is confined to an area approximately 6 by 15 feet in the vicinity of the samples OX-1 and B-4B. This constitutes an approximate soil volume of 5 to 6 cubic yards. Soil samples from this area did not contain detectable concentrations of BTEX.

- Although groundwater did accumulate briefly in one excavation and was impacted, the quantity was so small and limited in extent that an excavation open for seven days and seven feet deeper did not accumulate water.

- A review of WDOE records indicated that there are no drinking water wells within one mile of the subject property.

Based on this information FDGTI concludes that cleanup of petroleum hydrocarbons at the site has been achieved and that the Barrett Property warrants "No Further Action" status. Please call Stan Haskins at (425) 228-9645 if you have questions or comments.

Sincerely,
Fluor Daniel GTI

Chris N. Storey
Associate Engineer

Fluor Daniel GTI

Stan Haskins, R.G.
Project Manager

attachments

VCP Voluntary Cleanup Program

Washington State - Department of Ecology - Toxics Cleanup Program

RECEIVED
FEB 1 3 1998
Environmental Service

Site Summary

This summary is a required component of your request for assistance under the Voluntary Cleanup Program

Which of the following apply? __ Requesting assistance on a planned cleanup.
__ Requesting assistance on a ongoing cleanup.
x Requesting review of a completed cleanup.

Note: If you submitted your Request for Assistance (ECY 020-74) previously without a Site Summary (this form) or this is a revised Site Summary, please provide this completed form to Ecology at least five (5) working days prior to the meeting/site visit/documentation review (whichever comes first).

A) Site Identification:

Name of Site: Barret property
Alternate Name(s) for Site: _____
Street Address of Site: 416 Rainier Avenue South
City: Seattle State: WA Zip: _____
County: King UBI Number: _____
Mailing Address (if different from above): _____
City: _____ State: _____ Zip: _____

Township 24N Range 4E Section 4 Quarter-Quarter NW-NW
If known:
Latitude: Degree_____ Minute_____ Second_____
Longitude: Degree_____ Minute_____ Second_____
Method Used tp calculate Lat/Long: _____
How large (in Acres) is the site? less than 1/4 acre

Please attach two maps to this form.

1) An area map, showing general location of the site in relation to surrounding bodies of water, cities, highways, and streets. (Please mark site location.)

2) A site diagram showing surrounding cross-streets, labeled building outlines, sampling and well locations, etc..

B) Person/Organization making request for Assistance/Review:

Name: Stan Haskins
Firm: Fluor Daniel GTI
Street Address: 555 S. Renton Village Place, Suite 700
City: Renton State: WA Zip: 98055
Telephone Number: (425) 228-9645 Extension: _____
Fax Number: (425) 228-9793 E-Mail Address: _____

Which best describes your involvement with the site? (Check as many as apply.)

Current Owner __ Former Owner __ Potential Purchaser ___
Current Operator __ Former Operator __ Other (specify) _____
Environmental Consultant for Harriet Barret
Attorney for _____
Insurance Carrier for _____
Other (specify) _____ for _____

C) Release Information:

Date of Release(if known):_____ Date of Discovery: 8/18/98

Drinking Water: Number of Drinking Water Supply Wells within 1/2 mile 0
Are there any drinking water systems affected? _____ yes X no
If yes, has alternate drinking water been provided? _____ yes _____ no
If Drinking Water systems are affected, are the systems public, private, or both?
_____

Aquatics: Are there any creeks, streams, ponds, wetlands, or shorelands...
on or adjacent to the site? _____ yes x no
Within 1/4 mile of the site? _____ yes x no
Where are they located? _____
Are they impacted by contamination from the site? _____ yes _____ no _____ unknown

General Hazardous Substance Categories: Please complete the chart below. List the contaminants known or suspected at the site prior to cleanup, and mark the appropriate medium (i.e. soil) with: C (confirmed and above MTCA); B (confirmed but below MTCA); S (suspected); N/A (not-applicable); O (tested & not present); or U (unknown).

Contaminant	*Class (for Office Use)*	Affected Media: Soil	Ground-Water	Surface Water	Air	Sediment	Date of Release (if known)
Example: Lead		*C*	*O*	*S*	*U*	*S*	*1967-82*
1) Benzene		C	C				
2) TPH-G		C	C				
3) TPH-D		C					
4) TPH-O		C					
5)							
6)							

D) Report Information of Assessment or Remediation Work Done to Date

Assessment:

Has site assessment work been done at this site? Yes X No _____ In-progress _____
If Yes, when? _____ Were results reported to Ecology? Yes X No __ Date _____
Desc be: (list reports in "E" below)

Remediation:

Has any site cleanup work been done at the site? Yes _x_ No _____ In-progress _____
If yes, please continue to answer the remaining questions in this section to the best of your ability.

When was the cleanup work done? 8/18-8/21/98
Were results reported to Ecology? Yes _x_ No_____ Date _____
Describe: (list reports in "E" below) _____

Does contamination remain on-site after cleanup activities? Yes _x_ No _____
If yes, describe: (list reports in "E" below)

For each contaminant listed in ***Part C)Release Information (above)***, please describe the quantity of the contaminant (in pounds) which was removed or treated as a result of the cleanup activities:

Contaminant	*Class (for Office Use)*	Pounds of Contaminant: Incinerated	Washed	Removed	Treated	Contained
Example: lead		*10*	*20*	*40*	*10*	*60*
1) TPH-G				appr.3515		
2) Benzene				appr.0.60		
3) TPH-D				appr.153		
4) TPH-O				appr.60		
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						

As a result of the cleanup:
How many acres of land were returned to ***unrestricted*** use?_____
How many acres of land were returned to ***restricted*** use ?_____
How many cubic feet of contaminated soil was remediated or contained? 10,800 cu. ft.
How many gallons of contaminated groundwater was remediated or contained?_____
How many people are now at reduced risk as a result of the cleanup action?_____
How many pounds of potential pollution was prevented as a result of the cleanup action?_____

METHODS/TREATMENTS USED	SOIL	GROUNDWATER	SURFACE WATER	DRINKING WATER	AIR	WASTES	
Method A	X	X					
Method B							
Method C							
Have these levels been met throughout the site? Y or N	N	N					
Destruction or Detoxification							
Carbon Adsorption[1]	NA					NA	
Biological Treatment					NA		
Chemical Destruction							
Incineration		NA	NA	NA			
[1]Carbon followed by regeneration; use of granular activated carbon followed by landfillling would be classified in these tables as volume reduction and off-site landfill							
Media Transfer							
Air Stripping/Air Sparging	NA					NA	
Aeration/Vapor Extraction		NA	NA	NA	NA		
Thermal Desorption		NA	NA	NA		NA	
Immobilization							
Vitrification		NA	NA	NA			
Solidification/Stabilization		NA	NA	NA			
Reuse/Recycling[2]							
Specify							
[2]For example, reuse of free petroleum product recovered in a pump and treat system.							
Separation/Volume Reduction							
Solvent Extraction		NA	NA	NA			
Soil Washing		NA	NA	NA			
Physical Separation[3]							
[3]For example, oil/water separators.							
Land Disposal/Containment							
Containment or On-site Landfill	X		NA				
Off-site Landfill		NA	NA	NA			
Institutional Controls							
Specify							
Others							
Specify Treatment Method							

E) Documentation:

Please list titles of all site reports below. Include name of consulting firm & year completed. (If there is not enough room for the entire list, please attach additional page(s) as necessary.)

Title: _____ By: _____ Date: _____

Report of Permanent UST Decommissioning and Closure at the Barret Property, 416 Rainier Avenue South, Seattle, WA

Fluor Daniel GTI, October 14, 1998

Is additional information concerning the contaminants treated or removed, or cleanup or remediation methods used available in a database? Yes____ No X If yes, what programming software is used?_____ Is a copy included for our use? Yes___ No____

F) Property Type: Commercial X Industrial ___ Residential ___ Other____(Please specify)_____

Property currently being used? X Yes _____No

Plans for change in use? _____Yes X No If yes, please specify:_____

G) Standard Industrial Classification (SIC) Codes:

List all that apply. If none apply, or if you don't know your SIC code, list activities conducted at the site (i.e. automotive repair and maintenance, construction equipment storage. etc.).

Automotive painting and detailing

H) Dangerous Waste Facilities:

Does the facility have a dangerous waste identification number? No X Yes _____

If Yes, What is the number? WAD_____

I) Tank Information:

Complete this table for ALL tanks, whether underground (UST) or aboveground (AST), including unregulated tanks.

(* Unleaded, leaded, diesel, bunker-C, waste oil, heating oil, aviation fuel, other (identify))

(**Tank status: Left in Place, Removed, Closed in Place)

Tank ID	AST/UST	Size	*Product	Was free product encountered? on GW	in excavation	**Tank status
1	UST	1,000	Gas/kerosene	No	No	Removed
2	UST	3,000	Gas/oil	No	No	Removed
3	UST	3,000	Gas/oil	No	No	Removed

J) Owner/Operator History

(Please photocopy and attach copies if additional owners and/or operators are known)

Type (code) of Owner/Operator (for below):
Private(1) Municipal(2) County (3) Federal (4) State(5) Tribal(6) Mixed(7) Other (8) Unknown (9) Public Entity Acquisition via Bankruptcy (10) Financial Institution Acquisition via Bankruptcy (11)

1) Current Site Owner: Harriet Barret Type: 1
Street Address: East Helen
City: Seattle State: WA Zip: 98122
Contact Person (if different than owner, above): _____
Street Address: _____
City: _____ State: _____ Zip: _____
Telephone Number: (___) _____ Extension: _____
Fax Number: (___) _____ E-Mail Address: _____
Dates of Ownership: _____ to _____

2) Current Facility Operator: _____ Type: ___
Street Address: _____
City: _____ State: _____ Zip: _____
Contact Person (if different than operator, above): _____
Street Address: _____
City: _____ State: _____ Zip: _____
Telephone Number: (___) _____ Extension: _____
Fax Number: (___) _____ E-Mail Address: _____
Dates of Operation: _____ to _____

3) Former Site Owner: _____ Type: ___
Street Address: _____
City: _____ State: _____ Zip: _____
Contact Person (if different than owner, above): _____
Street Address: _____
City: _____ State: _____ Zip: _____
Telephone Number: (___) _____ Extension: _____
Fax Number: (___) _____ E-Mail Address: _____
Dates of Ownership: _____ to _____

4) Former Facility Operator: _____ Type: _____
Street Address: _____
City: _____ State: _____ Zip: _____
Contact Person (if different than operator, above): _____
Street Address: _____
City: _____ State: _____ Zip: _____
Telephone Number: (___) _____ Extension: _____
Fax Number: (___) _____ E-Mail Address: _____
Dates of Operation: _____ to _____

K) Other Involved Parties:
(Please photocopy and attach copies if additional parties are involved)

1) Environmental Consultant: Stan Haskins
Representing: Harriet Barret
Firm: Fluor Daniel GTI
Street Address: 555 S. Renton Village Place, #700
City: Renton State: WA Zip: 98055
Telephone Number: (425) 228-9645 Extension:
Fax Number: (425) 228-9703 E-Mail Address:

2) Site Control Person if other than Owner/Operator. (This must be a person who is on-site during normal working hours and is authorized and qualified to answer questions about the site, or a person who is available during normal business hours and has knowledge about the site and the remediations)
Name: Chris Storey
Relation to site/owner/operator: Assoc. Engineer
Firm: Fluor Daniel GTI
Street Address: 555 S. Renton Village Place, #700
City: Renton State: WA Zip: 98055
Telephone Number: (425) 228-9645 Extension:
Fax Number: (425) 228-9793
Dates of Involvement with site: August '98 to present

3)Name:
Relation to site/owner/operator:
Firm:
Street Address:
City: State: Zip:
Telephone Number: ( ) Extension:
Fax Number: ( )
Dates of Involvement with site: to

4)Name:
Relation to site/owner/operator:
Firm:
Street Address:
City: State: Zip:
Telephone Number: ( ) Extension:
Fax Number: ( )
Dates of Involvement with site: to

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 9/21/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 9/28/98 13:11

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
B-1B	B809515-01	Soil	9/17/98
B-2B	B809515-02	Soil	9/17/98
B-4B	B809515-03	Soil	9/17/98
B-5B	B809515-04	Soil	9/17/98
B-3A	B809515-05	Soil	9/17/98
B-1A	B809515-06	Soil	9/17/98
B-2A	B809515-07	Soil	9/17/98
B-2C	B809515-08	Soil	9/17/98
B-4A	B809515-09	Soil	9/17/98
B-4C	B809515-10	Soil	9/17/98
B-5A	B809515-11	Soil	9/17/98

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joy B Chang, Project Manager

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

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Fluor Daniel - GTI, Inc. - Renton	Project:	Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 9/21/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 9/28/98 13:11

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
B-1B			**B809515-01**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*102*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*96.5*	"	
B-2B			**B809515-02**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*102*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*96.0*	"	
B-4B			**B809515-03**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		10.0	**114**	mg/kg dry	1
Benzene	"	"	"		0.100	ND	"	
Toluene	"	"	"		0.100	ND	"	
Ethylbenzene	"	"	"		0.100	ND	"	
Xylenes (total)	"	"	"		0.400	ND	"	2
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*137*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*103*	"	
B-5B			**B809515-04**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*104*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*99.6*	"	
B-3A			**B809515-05**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/25/98		5.00	**27.7**	mg/kg dry	1
Benzene	"	"	"		0.0500	ND	"	

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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SPOKANE ▪ (509) 924-9200 ▪ FAX 924-9290
PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 9/21/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 9/28/98 13:11

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
B-3A (continued)			**B809515-05**				**Soil**	
Toluene	0980726	9/23/98	9/25/98		0.0500	ND	mg/kg dry	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*102*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*93.6*	"	
B-1A			**B809515-06**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*102*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*92.7*	"	
B-2A			**B809515-07**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*106*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*102*	"	
B-2C			**B809515-08**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*99.1*	*%*	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*91.7*	"	
B-4A			**B809515-09**				**Soil**	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	

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Fluor Daniel - GTI, Inc. - Renton	Project:	Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 9/21/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 9/28/98 13:11

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
B-4A (continued)			B809515-09				Soil	
Xylenes (total)	0980726	9/23/98	9/24/98		0.100	ND	mg/kg dry	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*90.6*	%	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*93.9*	"	
B-4C			B809515-10				Soil	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/25/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*93.4*	%	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*94.8*	"	
B-5A			B809515-11				Soil	
Gasoline Range Hydrocarbons	0980726	9/23/98	9/24/98		5.00	ND	mg/kg dry	
Benzene	"	"	"		0.0500	ND	"	
Toluene	"	"	"		0.0500	ND	"	
Ethylbenzene	"	"	"		0.0500	ND	"	
Xylenes (total)	"	"	"		0.100	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	*50.0-150*		*96.2*	%	
Surrogate: 4-BFB (PID)	"	"	"	*50.0-150*		*93.9*	"	

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PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project:	Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number:	106580	Received: 9/21/98
Renton, WA 98055	Project Manager:	Stan Haskins	Reported: 9/28/98 13:11

Dry Weight Determination
North Creek Analytical - Bothell

Sample Name	Lab ID	Matrix	Result	Units
B-1B	B809515-01	Soil	87.9	%
B-2B	B809515-02	Soil	88.7	%
B-4B	B809515-03	Soil	86.6	%
B-5B	B809515-04	Soil	89.8	%
B-3A	B809515-05	Soil	82.8	%
B-1A	B809515-06	Soil	88.6	%
B-2A	B809515-07	Soil	88.0	%
B-2C	B809515-08	Soil	87.6	%
B-4A	B809515-09	Soil	89.6	%
B-4C	B809515-10	Soil	90.6	%
B-5A	B809515-11	Soil	89.8	%

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PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project: Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number: 106580	Received: 9/21/98
Renton, WA 98055	Project Manager: Stan Haskins	Reported: 9/28/98 13:11

Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control
North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0980726	**Date Prepared: 9/23/98**					**Extraction Method: EPA 5030B (MeOH)**				
Blank	0980726-BLK1									
Gasoline Range Hydrocarbons	9/24/98			**ND**	mg/kg dry	**5.00**				
Benzene	"			**ND**	"	**0.0500**				
Toluene	"			**ND**	"	**0.0500**				
Ethylbenzene	"			**ND**	"	**0.0500**				
Xylenes (total)	"			**ND**	"	**0.100**				
Surrogate: 4-BFB (FID)	"	*4.00*		*4.20*	"	*50.0-150*	*105*			
Surrogate: 4-BFB (PID)	"	*4.00*		*4.41*	"	*50.0-150*	*110*			
LCS	0980726-BS1									
Gasoline Range Hydrocarbons	9/24/98	25.0		21.0	mg/kg dry	70.0-130	84.0			
Surrogate: 4-BFB (FID)	"	*4.00*		*4.69*	"	*50.0-150*	*117*			
Duplicate	0980726-DUP1		B809503-07							
Gasoline Range Hydrocarbons	9/24/98		14.2	8.69	mg/kg dry			50.0	**48.1**	
Surrogate: 4-BFB (FID)	"	*4.82*		*4.25*	"	*50.0-150*	*88.2*			
Duplicate	0980726-DUP2		B809515-09							
Gasoline Range Hydrocarbons	9/24/98		ND	ND	mg/kg dry			50.0		
Surrogate: 4-BFB (FID)	"	*4.46*		*4.55*	"	*50.0-150*	*102*			
Matrix Spike	0980726-MS1		B809515-01							
Benzene	9/25/98	0.569	ND	0.477	mg/kg dry	60.0-140	**83.8**			
Toluene	"	0.569	ND	0.486	"	60.0-140	**85.4**			
Ethylbenzene	"	0.569	ND	0.473	"	60.0-140	**83.1**			
Xylenes (total)	"	1.71	ND	1.43	"	60.0-140	**83.6**			
Surrogate: 4-BFB (PID)	"	*4.55*		*4.37*	"	*50.0-150*	*96.0*			
Matrix Spike Dup	0980726-MSD1		B809515-01							
Benzene	9/25/98	0.569	ND	0.421	mg/kg dry	60.0-140	**74.0**	20.0	**12.4**	
Toluene	"	0.569	ND	0.428	"	60.0-140	**75.2**	20.0	**12.7**	
Ethylbenzene	"	0.569	ND	0.414	"	60.0-140	**72.8**	20.0	**13.2**	
Xylenes (total)	"	1.71	ND	1.25	"	60.0-140	**73.1**	20.0	**13.4**	
Surrogate: 4-BFB (PID)	"	*4.55*		*3.91*	"	*50.0-150*	*85.9*			

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PORTLAND ▪ (503) 906-9200 ▪ FAX 906-9210

Fluor Daniel - GTI, Inc. - Renton	Project: Barret Property	Sampled: 9/17/98
555 South Renton Village Place, Ste 700	Project Number: 106580	Received: 9/21/98
Renton, WA 98055	Project Manager: Stan Haskins	Reported: 9/28/98 13:11

Notes and Definitions

#	Note
1	The chromatogram for this sample does not resemble a typical gasoline pattern. The sample appears to contain extractable diesel range hydrocarbon.
2	The reporting limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

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East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

CHAIN OF CUSTODY REPORT

Work Order # –

REPORT TO: Fluor Daniel GTI	INVOICE TO: " "
ATTENTION: Sian Hoskins	ATTENTION: Connie Hoffmann
ADDRESS: 555 S. Renton Village Pl #700	ADDRESS: " "
Renton, WA 98055	
PHONE: 425-228-9645 FAX: 425-228-4793	P.O. NUMBER: NCA QUOTE #:
PROJECT NAME: Barrett Property	
PROJECT NUMBER: 106580	
SAMPLED BY: CNS/AC	

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 Standard | 7 | 5 | 4 | 3 | 2 | 1 | Same Day

Fuels & Hydrocarbon Analyses: 5 Standard | 3-4 | 2 | 1 | Same Day

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	Analysis Request: NWTPH-G	BTEX	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1.	B-1B	9/17/98 9:45		X	X	Soil	1	
2.	B-2B	10:27						
3.	B-4B	11:28						
4.	B-5B	12:14						
5.	B-3A	10:56						
6.	B-1A	9:30						Hold
7.	B-2A	10:20						Hold
8.	B-2C	10:32						Hold
9.	B-4A	11:19						Hold
10.	B-4C	11:39						Hold

RELINQUISHED BY (Signature): Chris N. Storey	DATE: 9/18/98
PRINT NAME: Chris N. Storey FIRM: FDGTI	TIME: 9:30
RELINQUISHED BY (Signature):	DATE:
PRINT NAME: FIRM:	TIME:
RECEIVED BY (Signature): S. C. Tiernan	DATE: 9/18
PRINT NAME: FIRM:	TIME:
RECEIVED BY (Signature):	DATE: 9/18
PRINT NAME: FIRM:	TIME:

ADDITIONAL REMARKS:

NORTH CREEK ANALYTICAL
Environmental Laboratory Services

18939 120th Avenue N.E., Suite 101, Bothell, WA 98011-9508 (206) 481-9200 FAX 485-2992
East 11115 Montgomery, Suite B, Spokane, WA 99206-4779 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 643-9200 FAX 644-2202

CHAIN OF CUSTODY REPORT

Work Order #

REPORT TO: Fluor Daniel GTI	INVOICE TO:
ATTENTION: Stan Haskins	ATTENTION: Connie Waterman
ADDRESS: 555 S. Renton Village Pl #700 Renton, WA 98052	ADDRESS:
PHONE: 425-228-9645 FAX: 425-228-9793	P.O. NUMBER: NCA QUOTE #:
PROJECT NAME: Bullet Property	
PROJECT NUMBER: 10680	
SAMPLED BY: CMS/AC	

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 (Standard) | 7 | 5 | 4 | 3 | 2 | 1 | Same Day

Fuels & Hydrocarbon Analyses: 5 (Standard) | 3-4 | 2 | 1 | Same Day

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	Analysis Request: WTPH-D	BTEX	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1.	B-5A	9/17/98 12:00		X	X	SO:1	1	Hold
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

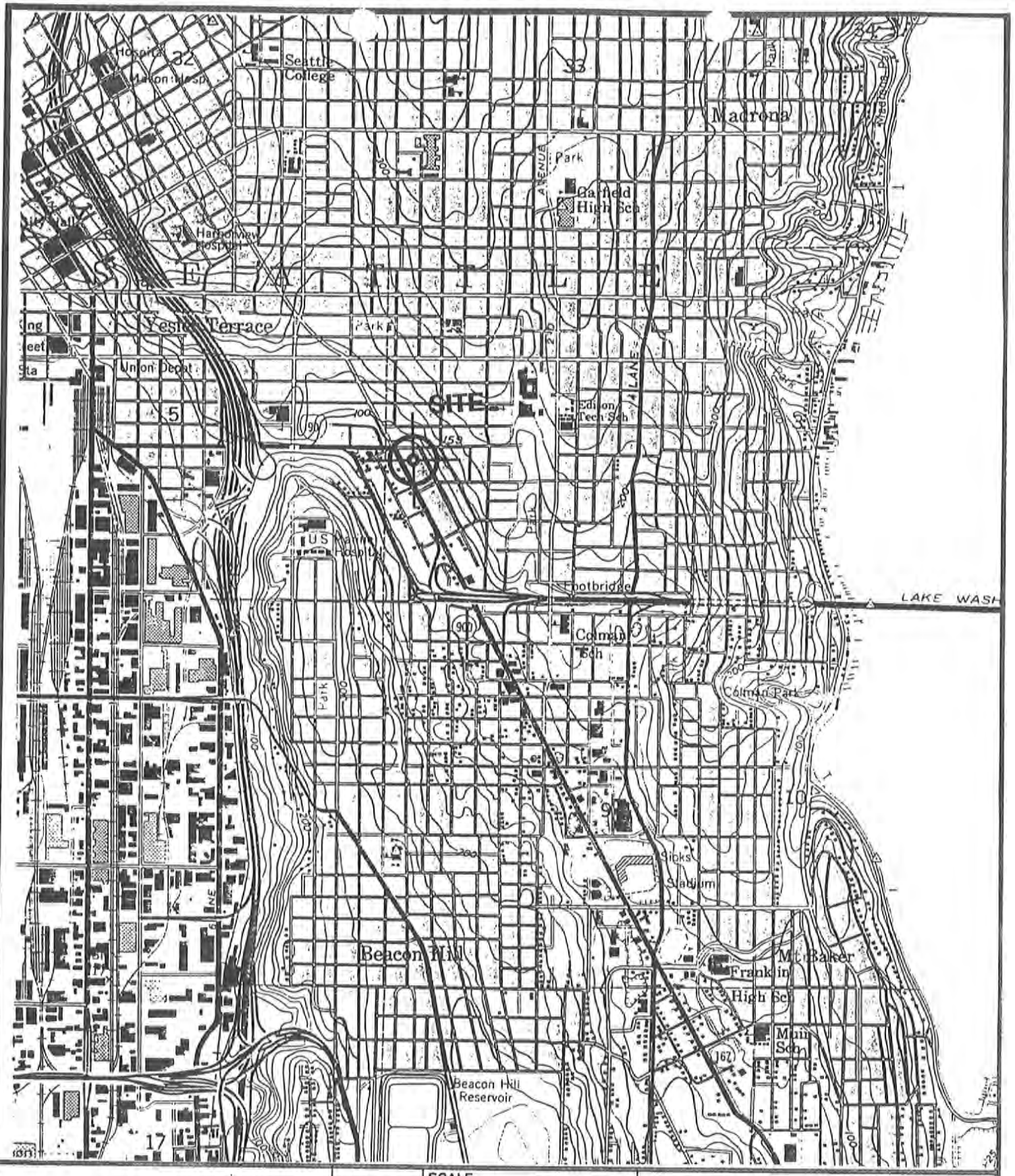
RELINQUISHED BY (Signature): Chris N. Storey	DATE: 9/18/98	RECEIVED BY (Signature): J. C. Witterman	DATE: 9/18
PRINT NAME: Chris N. Storey	FIRM: FJGTI TIME: 3:12	PRINT NAME:	FIRM: TIME:
RELINQUISHED BY (Signature):	DATE:	RECEIVED BY (Signature):	DATE: 9/18
PRINT NAME:	FIRM: TIME:	PRINT NAME:	FIRM: TIME:

ADDITIONAL REMARKS:

TABLE 1
SUMMARY OF LABORATORY RESULTS - SOIL
BARRET PROPERTY
416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
(Results in milligrams per kilogram)
September 17, 1998

Sample ID	Sample Depth (feet bg)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-G
Method Detection Limits		0.05	0.05	0.05	0.1	5
B-1A	10	<0.05	<0.05	<0.05	<0.1	<5
B-1B	12.5	<0.05	<0.05	<0.05	<0.1	<5
B-2A	6	<0.05	<0.05	<0.05	<0.1	<5
B-2B	8.5	<0.05	<0.05	<0.05	<0.1	<5
B-2C	12	<0.05	<0.05	<0.05	<0.1	<5
B-3A	8.5	<0.05	<0.05	<0.05	<0.1	27.7
B-4A	6	<0.05	<0.05	<0.05	<0.1	<5
B-4B	9	<0.05	<0.05	<0.05	<0.1	**114**
B-4C	10	<0.05	<0.05	<0.05	<0.1	<5
B-5A	9	<0.05	<0.05	<0.05	<0.1	<5
B-5B	12.5	<0.05	<0.05	<0.05	<0.1	<5
MTCA-CCL (a)		0.5	40	20	20	100

TPH-G = Total petroleum hydrocarbons-as-gasoline
MTCA-CCL[a] = Model Toxics Control Act Method A Compliance Cleanup Level
< = Less than the method detection limit
-- = Not Sampled
bg = Below grade
Bold values exceed MTCA-CCL[a]
Sample depths are approximate.



FLUOR DANIEL GTI

SOURCE: U.S.G.S. 7.5' QUAD SHEET
SEATTLE S., WASHINGTON
PHOTOREVISED 1979

N

SCALE: 0 FEET 2000

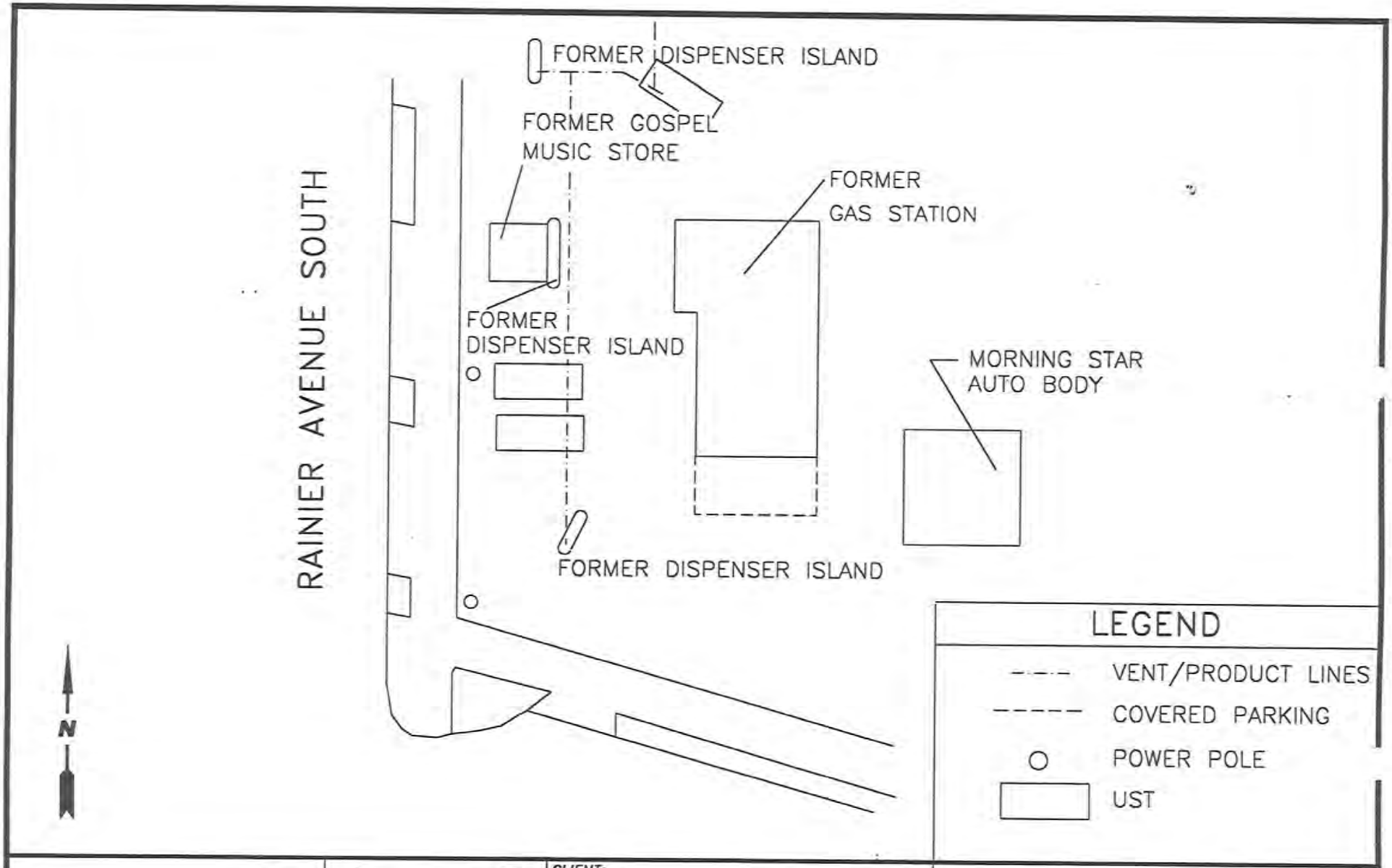
SITE LOCATION MAP

CLIENT: JOE HALL CONSTRUCTION
BARRET PROPERTY

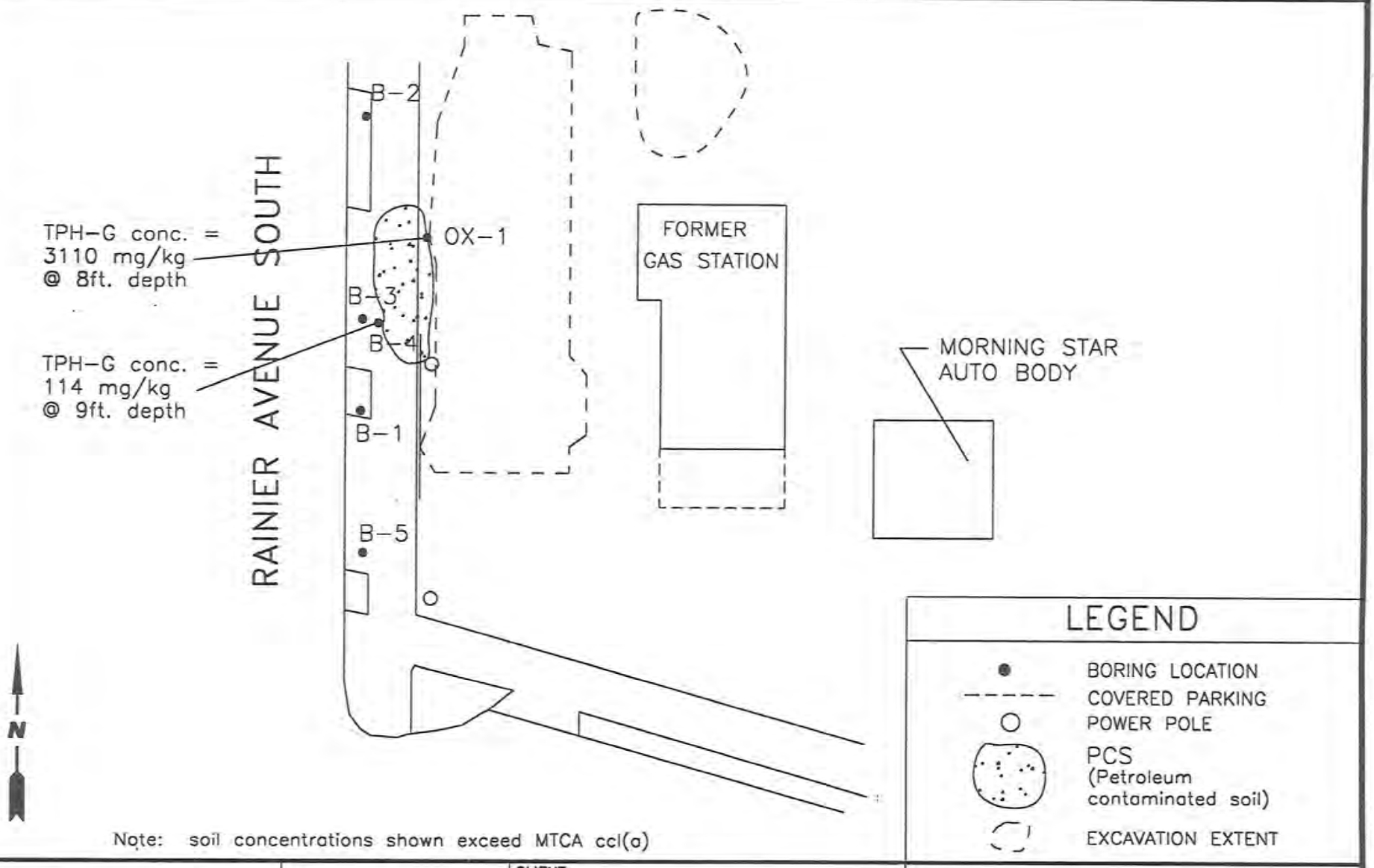
DATE: 9/15/98

LOCATION: 416 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FIGURE: 1



FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	BARRET PROPERTY SITE PLAN
FILE: \STOREYC\MAPS\BARETSP1	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 2
REV:		DES: / DET: CNS / DATE: 10/13/98	



Note: soil concentrations shown exceed MTCA ccl(a)

FLUOR DANIEL GTI	0 15 APPROX. SCALE IN FEET	CLIENT: JOHN BARRET	**BARRET PROPERTY BORING LOCATION MAP**
FILE: \STOREYC\MAPS\REVSP	PROJECT NO.: 106580	LOCATION: 416 RAINIER AVENUE SOUTH SEATTLE, WASHINGTON	PM: / RG/PE: / FIGURE: 3
REV:	DES: / DET: CNS / DATE: 9/15/98		

SAND & GRAVEL
3120 Freeman Road East
Fife, Washington 98424-3623
Phone: (253) 922-7710
Fax: (253) 926-0815

****

*****CERTIFICATE OF DISPOSAL*****

****

FIFE SAND & GRAVEL BIOREMEDIATION FACILITY HAS:

RECEIVED: **584.24** TONS OF MATERIAL;

FROM: **BARRETT, 416 RAINIER AVE SOUTH, SEATTLE**;

ON THE FOLLOWING DATES: **8/20/98 - 8/24/98**.

THIS MATERIAL WILL BE BIOREMEDIATED IN ACCORDANCE WITH THE TERMS OF FSG'S SOLID WASTE PERMIT, #27-705.

Susan Kelley Wilson
SUSAN KELLEY WILSON, MNGR

SAND & GRAVEL
3120 Freeman Road East
Fife, Washington 98424-3623
Phone: (253) 922-7710
Fax: (253) 926-0815

****

****CERTIFICATE OF TREATMENT****

****

FIFE SAND & GRAVEL BIOREMEDIATION FACILITY HAS:

TREATED: **584.24** TONS OF MATERIAL;

FROM: **BARRETT, 416 RAINIER AVE SOUTH, SEATTLE**;

THIS MATERIAL HAS BEEN TREATED IN ACCORDANCE WITH THE

TERMS OF FS&G'S SOLID WASTE PERMIT, #27-705.

Susan Kelley Wilson

SUSAN KELLEY WILSON, MNGR

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

Northwest Regional Office, 3190 - 160th Ave S.E. • Bellevue, Washington 98008-5452 • (425) 649-7000

11/04/98

Stan Haskins
Fluor Daniel GTI
555 S. Renton Village Pl., #700
Renton, WA 98055

Dear Mr. Haskins:

Re: Request for Review: Independent Remedial Action
Barret Property, 416 Rainier Avenue South, Seattle, WA 98144

Thank you for submitting the independent remedial action report(s) for this site for Ecology's review. Ecology appreciates your initiative in pursuing a voluntary cleanup under the Model Toxics Control Act.

This is to acknowledge receipt of your *Request* and your $500 deposit. A copy of the *Request* form is enclosed. All correspondence relating to this project should include the site name and a reference to the TCP identification number printed on the bottom right-hand corner of this form.

The Department of Ecology (Ecology) will publish a notice in the *Site Register* that we have received the report(s) and of your request for Ecology review of the independent remedial action. The Site Register is a bi-weekly publication regarding sites undergoing cleanup or remedial action throughout the state.

If you have any questions about this letter or the Voluntary Cleanup Program, please do not hesitate to call me at (425) 649-7023.

Sincerely,

Lydia S. Lindwall

Lydia S. Lindwall
Toxics Cleanup Program

LL:ll
Enclosure

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

Site Profile

User: GLWH461 **Role:** Ecology User **Environment:** Production

RCRA Site ID: WAH000015305

Facility/Site ID: 27591293

Texaco Downstream 211558
1366 31ST AVE S
SEATTLE, WA 98144-3966

Start a New Report

Create New Annual Report

Work In Progress (Unsubmitted Data)

All records for this site have been submitted.

Other Options

View Submitted Data

Open Pre-printed Site ID Form

Site Comments

No comments exist for this facility.

Alternate RCRA Site ID's

No Alternate RCRA Site ID's exist for this facility.

Current Site Information

Location Info
1366 31ST AVE S
SEATTLE, WA 98144-3966
KING

Washington State UBI Number: 601238698
NAICS Code: 562910
Business Type: Remediation Site

Mailing Address
Chevron Products Co
PO Box 6004
San Ramon, CA 94583-2324
UNITED STATES

Legal Owner
WA DOT Facilities HazMat
PO Box 6004
San Ramon, CA 94583-2324
UNITED STATES
877-386-6044
Org Type: Private

Land Owner
Equillon Enterprises LLC
PO Box 2648
HOUSTON, TX 77252
UNITED STATES
877-386-6044
Org Type: Private

Operator Address
Chevron Products Co
PO Box 6004
San Ramon, CA 94583-2324
UNITED STATES
877-386-6044
Org Type: Private

Site Contact
Waste Desk
PO Box 6004
San Ramon, CA 94583-2324
UNITED STATES
877-386-6044
Email: NAWTDesk@chevron.com

Forms Contact
Waste Desk
PO Box 6004

San Ramon, CA 94583-2324
UNITED STATES
877-386-6044
Email: NAWTDesk@chevron.com

Waste Activities
No Regulated Waste Generated (XQG)

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« Site Profile **Reporting History**

User: GLWH461 **Role:** Ecology User **Environment:** Production

RCRA Site ID: WAH000015305
Facility/Site ID: 27591293

Texaco Downstream 211558
1366 31ST AVE S
SEATTLE, WA 98144-3966

Site ID History

Type	Status	Legal Owner	Submitted	Effective	E-Filer	
AR: RY2015	XQG	WA DOT Facilities HazMat	2/3/2016	12/31/2015	Yes	View Print
AR: RY2014	XQG	WA DOT Facilities HazMat	2/2/2015	12/31/2014	Yes	View Print
AR: RY2013	XQG	WA DOT Facilities HazMat	2/6/2014	12/31/2013	Yes	View Print
AR: RY2012	XQG	WA DOT Facilities HazMat	2/4/2013	12/31/2012	Yes	View Print
AR: RY2011	XQG	WA DOT Facilities HazMat	2/21/2012	12/31/2011	Yes	View Print
Revised	XQG	WA DOT Facilities HazMat	2/3/2011	2/3/2011	Yes	View Print
AR: RY2010	XQG	WA DOT Facilities HazMat	2/3/2011	12/31/2010	Yes	View Print
AR: RY2009	XQG	WA DOT Facilities HazMat	2/11/2010	12/31/2009	Yes	View Print
AR: RY2008	XQG	WA DOT Facilities HazMat	2/17/2009	12/31/2008	Yes	View Print
AR: RY2007	XQG	WA DOT Facilities HazMat	2/11/2008	12/31/2007	Yes	View Print
Revised	XQG	WA DOT Facilities HazMat	2/15/2007	2/15/2007	Yes	View Print
AR: RY2006	XQG	WA DOT Facilities HazMat	2/15/2007	12/31/2006	Yes	View Print
AR: RY2006	XQG	WA DOT Facilities HazMat	2/15/2007	12/31/2006	Yes	View Print
AR: RY2005	XQG	WA DOT Facilities HazMat	2/20/2006	12/31/2005	Yes	View Print
AR: RY2004	XQG	WA DOT Facilities HazMat	2/23/2005	12/31/2004	Yes	View Print
AR: RY2003	XQG	WA DOT Facilities HazMat	3/3/2004	12/31/2003	No	View Print
AR: RY2002	XQG	WA DOT Facilities HazMat	4/11/2003	12/31/2002	No	View Print
AR: RY2001	LQG	WA DOT Facilities HazMat	3/1/2002	12/31/2001	No	View Print
New	MQG	WA DOT Facilities HazMat	6/18/2001	6/18/2001	No	View Print

Annual Report History

Reporting Year: 2015

Sent: **Received:** 2/3/2016 **Effective:** 12/31/2015 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2014

Sent: **Received:** 2/2/2015 **Effective:** 12/31/2014 **Delinq. Letter Sent:**

Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2013

Sent:	**Received:** 2/6/2014	**Effective:** 12/31/2013	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2012

Sent:	**Received:** 2/4/2013	**Effective:** 12/31/2012	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2011

Sent:	**Received:** 2/21/2012	**Effective:** 12/31/2011	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2010

Sent:	**Received:** 2/3/2011	**Effective:** 12/31/2010	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2009

Sent:	**Received:** 2/11/2010	**Effective:** 12/31/2009	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No		

Verified: No
Reviewed: No
Potential Planner: No

WR Waste Streams
OI Facilities (0)

Comments:

Reporting Year: 2008

Sent: **Received:** 2/17/2009 **Effective:** 12/31/2008 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2007

Sent: **Received:** 2/11/2008 **Effective:** 12/31/2007 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2006

Sent: **Received:** 2/15/2007 **Effective:** 12/31/2006 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2006

Sent: **Received:** 2/15/2007 **Effective:** 12/31/2006 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2005

Sent: **Received:** 2/20/2006 **Effective:** 12/31/2005 **Delinq. Letter Sent:**

Submitted: Yes
E-Filer: Yes
Reply Expected: No
Follow-up Required: No
Verified: No
Reviewed: No
Potential Planner: No

Site ID Form: Yes

GM Waste Streams
WR Waste Streams
OI Facilities (0)

Review Data
Export Files

Comments:

Reporting Year: 2004

Sent:	**Received:** 2/23/2005	**Effective:** 12/31/2004	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	Yes		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2003

Sent: 12/30/2003	**Received:** 3/3/2004	**Effective:** 12/31/2003	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	No		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2002

Sent: 12/30/2002	**Received:** 4/11/2003	**Effective:** 12/31/2002	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	No		Export Files
Reply Expected:	No	GM Waste Streams	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (0)	
Reviewed:	No		
Potential Planner:	No		

Comments:

Reporting Year: 2001

Sent: 12/10/2001	**Received:** 3/1/2002	**Effective:** 12/31/2001	**Delinq. Letter Sent:**
Submitted:	Yes	Site ID Form: Yes	Review Data
E-Filer:	No		Export Files
Reply Expected:	No	GM Waste Streams (1)	
Follow-up Required:	No	WR Waste Streams	
Verified:	No	OI Facilities (1)	
Reviewed:	No		
Potential Planner:	No	**Generated:** 3440 lbs	

Comments:

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2015
Reporting Year: 2015

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Waste Desk
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Waste Desk
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2014
Reporting Year: 2014

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
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- ☑ d. XQG: No Regulated Waste Generated

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☐ **5. Transfer Facility of Dangerous Waste**

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☐ **7. Treatment-by-Generator (TBG)**

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12. Dangerous Waste Fuel Activity

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  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
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B. Universal Waste Activities

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(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
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   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

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B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2013
Reporting Year: 2013

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2012
Reporting Year: 2012

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2011
Reporting Year: 2011

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

Administration

Date Received	2/3/2011
Date Acknowledgment Sent	

1. Reason for Submittal

☑ To provide **Revised** Site Identification Information

Effective Date: 2/3/2011
Reporting Year:

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	877-386-6044

Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Jocko Rodriguez
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Jocko Rodriguez
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

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  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
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☐ **13. Generator of Special Waste** Regulated under the

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
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☐ a. Utility boiler
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D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

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12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2010
Reporting Year: 2010

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
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Country	UNITED STATES
Phone Number	877-386-6044
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Jocko Rodriguez
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	877-386-6044
Email Address	NAWTDesk@chevron.com

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Country	UNITED STATES
Phone Number	877-386-6044
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- ☐ b. Transport for commercial purposes

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☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2009
Reporting Year: 2009

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	562910	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Jocko Rodriguez
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	922-842-3733
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Jocko Rodriguez
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	922-842-3733
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only
  - ☐ 1. Spills
  - ☐ 2. Clean Up

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **13. Generator of Special Waste** Regulated under the State Dangerous Waste Regulations – WAC 173-303-073)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2008
Reporting Year: 2008

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Dangerous Waste Permitted Facility - also called a Treatment, Storage, or Disposal (TSD) Facility.** (Requires an Ecology Part A or Part B permit for Dangerous Waste management). Note: On-site accumulation of waste by a generator does not usually require a permit for storage.

☐ **11. Recycler of Dangerous Waste Received from Off-Site** (Regulated under the State Dangerous Waste Regulations – WAC 173-303-120).

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2007
Reporting Year: 2007

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	NAWTDesk@chevron.com

9. Forms Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	NAWTDesk@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
☐ a. Utility boiler
☐ b. Industrial boiler
☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
☐ a. Transporter
☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
☐ a. Process
☐ b. Re-refine

4. Used Oil Fuel Marketer
☐ a. Directs shipment of used oil to used oil burner
☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

Administration

Date Received	2/15/2007
Date Acknowledgment Sent	

1. Reason for Submittal

☑ To provide **Revised** Site Identification Information

Effective Date: 2/15/2007
Reporting Year:

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036

Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@chevron.com

9. Forms Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@chevron.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
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- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices

☐ a. Utility boiler

☐ b. Industrial boiler

☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)

☐ a. Transporter

☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)

☐ a. Process

☐ b. Re-refine

4. Used Oil Fuel Marketer

☐ a. Directs shipment of used oil to used oil burner

☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

☐ I am interested in the electronic filing of my Dangerous Waste Annual Reporting and Site Identification information to Ecology over the Internet. Ecology will issue a PIN number, along with electronic filing instructions, in a letter addressed to the Form Contact in Section 9 on this form.

12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2006
Reporting Year: 2006

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

9. Forms Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	KNorris@cehvrontexaco.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
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   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

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12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2006
Reporting Year: 2006

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

9. Forms Contact

Person Name	Kathy L Norris-Slusher
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	KNorris@cehvrontexaco.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

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11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

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12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2005
Reporting Year: 2005

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	56291	
Type of Business	Remediation Site	

4. Company Mailing Address

Organization Name	Chevron Products Co
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name	Chevron Products Co

Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy L Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

9. Forms Contact

Person Name	Kathy L Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583-2324
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	KNorris@cehvrontexaco.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

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- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

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☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
☐ a. Utility boiler
☐ b. Industrial boiler
☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
☐ a. Transporter
☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
☐ a. Process
☐ b. Re-refine

4. Used Oil Fuel Marketer
☐ a. Directs shipment of used oil to used oil burner
☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
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   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
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11. Description of Dangerous Waste

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12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2004
Reporting Year: 2004

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	44719	
Type of Business		

4. Company Mailing Address

Organization Name	chevron Texaco
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO BOX 47352 OLYMPIA, WA 98504-7358
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	Private

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name

Person Name	Kathy Norris
Mail Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

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Person Name	Kathy Norris
Title	
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10. Type of Regulated Waste Activity

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☐ **8. Generator of Mixed Radioactive Waste**

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(Mark all boxes that apply)

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d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
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- ☐ c. Industrial furnace

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Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

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4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
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   - ☐ a. College or University.
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12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2003
Reporting Year: 2003

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Downstream 211558	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	44719	
Type of Business		

4. Company Mailing Address

Organization Name	chevron Texaco
Person Name	
Mail Address	PO Box 6004 San Ramon, CA 94583
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Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO BOX 47352 OLYMPIA, WA 98504-7358
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Owner Since	6/18/2001
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Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	Private

7. Site Operator

Organization Name

Person Name	Kathy Norris
Mail Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES
Phone Number	925-842-5931
Operator Since	
Operator Type	Private

8. Site Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

9. Forms Contact

Person Name	Kathy Norris
Title	
Mailing Address	PO Box 6004 San Ramon, CA 94583
Country	UNITED STATES
Phone Number	925-842-5931
Email Address	knorris@cehvrontexaco.com

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
☐ a. Utility boiler
☐ b. Industrial boiler
☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
☐ a. Transporter
☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
☐ a. Process
☐ b. Re-refine

4. Used Oil Fuel Marketer
☐ a. Directs shipment of used oil to used oil burner
☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
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   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

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B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

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12. Comments

Ecology Comments

Dept. of Ecology Intranet

TurboWaste.Net

HOME FORMS

«« History **Site ID Form - View Only**

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2002
Reporting Year: 2002

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Service Station Former 128202	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	44719	
Type of Business		

4. Company Mailing Address

Organization Name	Equilon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252-2099
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO BOX 47352 OLYMPIA, WA 98504-7358
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	

7. Site Operator

Organization Name

Person Name	
Mail Address	
	,
Country	
Phone Number	
Operator Since	
Operator Type	

8. Site Contact

Person Name	JEFF GOOLD
Title	
Mailing Address	10602 NE 38TH PLACE KIRKLAND, WA 98033
Country	UNITED STATES
Phone Number	(425)844-2355
Email Address	

9. Forms Contact

Person Name	Sondra Bienvenu
Title	
Mailing Address	PO BOX 2648 HOUSTON, TX 77252-2648
Country	UNITED STATES
Phone Number	(713)241-5036
Email Address	

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- ☐ a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- ☐ b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- ☐ c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- ☑ d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- ☐ a. Monthly
- ☐ b. Batch
- ☐ c. One-time Only

3. Transporter of Dangerous Waste

- ☐ a. Transport own waste
- ☐ b. Transport for commercial purposes

☐ **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)

☐ **5. Transfer Facility of Dangerous Waste**

☐ **6. Permit-by-Rule (PBR)**

☐ **7. Treatment-by-Generator (TBG)**

☐ **8. Generator of Mixed Radioactive Waste**

☐ **9. Importer of Dangerous Waste**

☐ **10. Treatment, Storage, Disposal or Recycling (TSDR) Facility (Note: A RCRA Permit is required for this activity)**

☐ **11. Immediate Recycler of Off-Site Waste** (Up to 72 hours with Ecology permission)

12. Dangerous Waste Fuel Activity

- ☐ a. Generator of fuel
- ☐ b. Generator Marketing to Burner
- ☐ c. Other Marketers (i.e., blender, distibutor, etc.)
- d. Burner (indicate type of combustion unit)
  - ☐ 1. Utility Boiler
  - ☐ 2. Industrial Boiler
  - ☐ 3. Industrial Furnace
- e. Deferrals/Exemptions (in federal registry only)
  - ☐ 1. Smelter deferral
  - ☐ 2. Small quantity exemption
  - ☐ 3. Other (list)

B. Universal Waste Activities

C. Used Oil Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

4. Used Oil Fuel Marketer
- ☐ a. Directs shipment of used oil to used oil burner
- ☐ b. First claim the used oil meets the specifications

D. Eligible Academic Entities with Laboratories – Notification to participate in, withdraw from, or to report management under, the State Academic Laboratory Rule (Subpart K) for managing laboratory dangerous waste under WAC 173-303-235. ?

1. ☐ Yes, I am managing dangerous wastes under this rule. (Mark all that apply)
   - ☐ a. College or University.
   - ☐ b. Teaching Hospital that is owned by (or has a formal written affiliation agreement with) a college or university.
   - ☐ c. Non-profit Institute that is owned by (or has a formal written affiliation agreement with) a college or university.
2. ☐ Yes, I wish to withdraw from this rule. (If you were managing dangerous wastes under the State Academic Laboratory Rule and you no longer wish to participate, select withdraw.)

11. Description of Dangerous Waste

A. Waste Codes for Federally Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc)

B. Waste Codes for State Regulated Dangerous Wastes: Identify those codes that best describe your waste. (e.g., WT02 - Toxic, WP02 - Persistent, WSC2 - Solid Corrosive, etc)

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12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

1. Reason for Submittal

☑ As a component of the **Dangerous Waste Annual Report**

Effective Date: 12/31/2001
Reporting Year: 2001

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Service Station Former 128202	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
County	KING	
Tax Registration Number	601238698	
NAICS Code	44719	
Type of Business		

4. Company Mailing Address

Organization Name	Equilon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252-2099
Country	UNITED STATES

5. Legal Owner

Organization Name	WA DOT Facilities HazMat
Person Name	
Mail Address	PO BOX 47352 OLYMPIA, WA 98504-7358
Country	UNITED STATES
Phone Number	360705-7812
Owner Since	6/18/2001
Owner Type	

6. Land Owner

Organization Name	Equillon Enterprises LLC
Person Name	
Mail Address	PO Box 2648 HOUSTON, TX 77252
Country	UNITED STATES
Phone Number	(713)241-5036
Owner Type	

7. Site Operator

Organization Name

Person Name	
Mail Address	
	,
Country	
Phone Number	
Operator Since	
Operator Type	

8. Site Contact

Person Name	JEFF GOOLD
Title	
Mailing Address	10602 NE 38TH PLACE KIRKLAND, WA 98033
Country	UNITED STATES
Phone Number	(425)844-2355
Email Address	

9. Forms Contact

Person Name	Sondra Bienvenu
Title	
Mailing Address	PO BOX 2648 HOUSTON, TX 77252-2648
Country	UNITED STATES
Phone Number	(713)241-5036
Email Address	

10. Type of Regulated Waste Activity

A. Dangerous Waste Activities

1. Generator of Dangerous Waste

- [x] a. LQG: Large Quantity Generator (Greater than 2,200 lbs/mo)
- [ ] b. MQG: Medium Quantity Generator (Between 220 - 2,200 lbs/mo)
- [ ] c. SQG: Small Quantity Generator (Less than 220 lbs/mo)
- [ ] d. XQG: No Regulated Waste Generated

2. Frequency of Generation

- [ ] a. Monthly
- [ ] b. Batch
- [ ] c. One-time Only

3. Transporter of Dangerous Waste

- [ ] a. Transport own waste
- [ ] b. Transport for commercial purposes

- [ ] **4. Recycler of On-Site Waste** (i.e., on-site use, reuse or reclamation of a waste after it has been generated)
- [ ] **5. Transfer Facility of Dangerous Waste**
- [ ] **6. Permit-by-Rule (PBR)**
- [ ] **7. Treatment-by-Generator (TBG)**
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12. Dangerous Waste Fuel Activity

- [ ] a. Generator of fuel
- [ ] b. Generator Marketing to Burner
- [ ] c. Other Marketers (i.e., blender, distibutor, etc.)

d. Burner (indicate type of combustion unit)

- [ ] 1. Utility Boiler
- [ ] 2. Industrial Boiler
- [ ] 3. Industrial Furnace

e. Deferrals/Exemptions (in federal registry only)

- [ ] 1. Smelter deferral
- [ ] 2. Small quantity exemption
- [ ] 3. Other (list)

B. Universal Waste Activities

C. Used Oil Activities

1. Large Quantity Handler of Universal Waste
(You accumulate 11,000 pounds or more of batteries, mercury containing equipment, and lamps; or you accumulate 2,200 pounds of lamps at any time)

(Mark all boxes that apply)

	Generated	Accumulated
a. Batteries	☐	☐
b. Thermostats	☐	☐
c. Mercury containing equipment (Including Thermostats)	☐	☐
d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

1. Off-specification used oil burner
Indicate type(s) of Combustion devices
- ☐ a. Utility boiler
- ☐ b. Industrial boiler
- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
- ☐ a. Transporter
- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
- ☐ b. Re-refine

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- ☐ a. Directs shipment of used oil to used oil burner
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12. Comments

Ecology Comments

User: GLWH461 **Role:** Ecology User **Environment:** Production

Site ID Form - View Only

Administration

Date Received	6/18/2001
Date Acknowledgment Sent	

1. Reason for Submittal

☑ To provide **New** Notification of Regulated Waste Activity

Effective Date: 6/18/2001
Reporting Year:

2. RCRA Site ID Number: WAH000015305

3. Site Location Information

Company Name	Texaco Service Station Former 128202	Latitude: 47.59057
Site Address	1366 31ST AVE S SEATTLE, WA 98144-3966	Longitude: 122.293766
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Owner Type

7. Site Operator

Organization Name
Person Name
Mail Address
,
Country
Phone Number
Operator Since
Operator Type

8. Site Contact

Person Name	JEFF GOOLD
Title	
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9. Forms Contact

Person Name
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d. Lamps	☐	☐

☐ **2. Destination Facility for Universal Waste**

C. Used Oil Activities

1. Off-specification used oil burner
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- ☐ c. Industrial furnace

2. Used oil transporter
Indicate type(s) of activity(s)
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- ☐ b. Transfer Facility

3. Used oil processor/re-refiner
Indicate type(s) of activity(s)
- ☐ a. Process
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12. Comments

Ecology Comments

new

Appendix J

Site Visit Checklist

EHS-International, Inc.

SITE VISIT CHECKLIST

GENERAL INFORMATION

Date: 10.12.2016 Arrival Time: 1253 Departure Time: 1355
Weather Conditions: SUNNY, CLEAR, 64°F
Inspector (Name, Title): DEE GARDNER
Site Contact (Name, Title): NA (VACANT)

The source (Name/Agency/Publication) of all data should be provided with the data.

1.0 PHYSICAL SITE DESCRIPTION

Facility/Project Name: VACANT PARCELS
Address: IRVING & YAKIMA – 1300 BLOCK YAKIMA AVE S
City, State, Zip: SEATTLE, WA
County: KING

Property Boundaries (Street names, development, woods, lakes, etc.)

North: RESIDENTIAL (1302 YAKIMA), S. JUDKINS ST

South: RESIDENTIAL, WSDOT I-90 FACILITY

East: RESIDENTIAL (1311, 1315, 1319, 1323, 1325 30TH AVE S)

West: YAKIMA AVE S, RESIDENTIAL

Methods of Investigation (Walk, drive, perimeter, etc.): WALK SOUTH, WEST, NORTH PERIMETER, PORTIONS OF EAST PERIMETER, AND FOLLOWED EXISTING PATHS THROUGH BRAMBLES ON SITE
Accessed/Did Not Access: ENTIRE EAST PROPERTY LINE (OVERGROWN W/ BRAMBLES)

2.0 GENERAL PHYSICAL CONDITIONS

Size of Site (Acres/sqft): 0.37 ACRES
Shape of Site: RECTANGULAR
Number of Parcels: SEVEN

Land Use

Present Use (Agriculture, residential, commercial, industrial): VACANT, UNDEVELOPED, OVERGROWN PARCELS
Zoned: RESIDENTIAL (LOW-RISE LR2)
Percentage of Occupancy: ZERO
Tenant Life (Use): NA

Land Cover: OVERGROWN VEGETATION

Number of Buildings: ZERO

SITE VISIT CHECKLIST

Number of Stories: NA
Age of Buildings: NA
Size of Buildings: NA
Materials Building Constructed of: NA

Condition and Cleanliness of Buildings and Surrounding Area (Debris, dumps, equipment clutter):
NA

Warnings, Notices and Permits Displayed (Type): NOT NOTED

Evidence of Past Use (Disturbed areas/patched pavement/demolition remains):
GROUND UNEVEN, GROUND SURFACE NOT VISIBLE

Odors

Description (Gasoline, paint, chemical): NOT NOTED

Location:

Spills

Location: NOT NOTED

Description (Size, composition):

Staining (On walls, ceilings, floors, ground, soil, etc.)

Location: NOT NOTED

Color:

Description (Size, composition):

Vegetation

Ground Cover (Trees, grass, crops, bare): DENSE, OVERGROWN THROUGHOUT – BIG LEAF MAPLE, HOLLY, HAWTHORN, CHERRIES, LAURELS, BRAMBLES

Discoloration (Description/location/probable cause): NA

Bare Spots (Location/probable cause): FILL, CONCRETE RUBBLE, SE CORNER

Stunted Vegetation Growth (Location/description): NA

Increased Vegetation Growth (Location/description): NA

Topography

Relief (Flat, gently rolling, sloping, hilly, karst): TERRACED INTO STEEP HILLSIDE

Regional and Local Slope: SLOPES DOWNHILL TOWARD THE WEST

Elevation:

Depression/pits/lagoons (Description/location): NOT NOTED

Evidence of Fill (Changed topography, immature vegetation, mining activities-description/location): SE CORNER FILLED FOR RETAINING WALL ~~AT~~ BEHIND 1325 30TH AVE

Source of Fill (Source of information): UNKNOWN

Hydrology

Ponds, Streams, Ditches, etc. (Location, direction, distance): NOT NOTED

Wetlands (Detailed study required?): NA

Source of Water (Where water in streams, rivers, ditches is flowing from: NA

Discharge Points of Water: NA

Site Receives/Surface Water Run-off from. (Direction): EAST

Run-off from Site Flows to (Direction into inlets, street, adjacent land): WEST AND YAKIMA AVE

Wastewater Discharge:

Flood Plain:

Geology and Hydrogeology (Record Review)

Soil Type. (Clay, sand, loam): GLACIAL TILL, SILTY SAND WITH GRAVEL (SM)
Drainage (Good, fair, poor): POOR INFILTRATION, SLOPES FAVORABLE FOR RUNOFF
Depth of Bedrock: >100 FT
Groundwater Depth/Flow Direction: PRESUMED WEST PERCHED <10FT, DEEP 50-100FT

3.0 STORAGE

USTs

Evidence of On-Site/Adjacent Site UST's (Pipes, vents, pump islands, fill caps, patching): NA

Monitor Systems (Location):
Contents

Tank ID #:
Size:
Age:
Tank Type (Steel, fiberglass, composite):
Records (Tightness, testing, inventory):

ASTs

Location: NA

Contents:

Age/Condition of Tank/Type of Tank/Size:

Evidence of Spills/Leaks/Containment:

4.0 PCBS (TRANSFORMERS, FLORESCENT LIGHT BALLASTS, HYDRAULIC LIFTS)

Type/Number of Equipment: NA

ID#:

Labeled:

Location:

Condition of Units:

Condition of Surroundings:

Owner of Units:

PCB Content:

5.0 EQUIPMENT USED ON SITE

Type of Equipment (Processing, maintenance): NA

Location:

Chemicals Used by Equipment (Process):

Chemicals Used in Cleaning Equipment (Maintenance):

Cleanliness/Upkeep of Equipment:

6.0 UTILITIES (INCLUDE NAME OF PUBLIC UTILITY)

City/Well Water (Age/test results): SERVICES NOT CONNECTED

Sewer Water (Leach field, dry wells, age): MUNICIPAL STUBS IN STREET (SEATTLE PUBLIC UTILITIES)

Septic System (Tiles or leach field/age/records): NA

On-Site Treatment Facility (Lagoons, ponds, age/records): NA

Power (Company Name/Age): PROPERTY NOT CONNECTED, SEATTLE CITY LIGHT IN RIGHT. OF. WAY

Natural Gas (Age): PROPERTY NOT CONNECTED, PUGET SOUND ENERGY IN ROW

7.0 WASTE AND CHEMICAL HANDLING

Size/Numbers/Type of Storage Containers: NA

Location:

Contents:

Condition of Containers (Covered, labeled, corroded):

Disposal Methods (Who/frequency):

Spills/Leaks:

On-Site Chemicals (MSDS) (Get copies):

Purpose of Chemicals (Process, cleaning):

Use of Herbicides or Pesticides:

8.0 ACMs

ACM Inspector: NA

Suspect ACMs Observed:

Condition:

Classification:

Location:

Quantity:

9.0 LEAD/LEAD IN PAINT

Lead in Paint Inspector: NA

Maps Checked:

Agency Personnel, Records, Surveys:

Samples (Number, location, date, method):

Maps Checked:

Agency Sources, etc.:

Maps Checked:

Agency Sources, etc.:

10.0 WETLANDS/SEISMIC/OIL AND GAS/HYDROGEOLOGIC/TRANSMISSION TOWER

Maps, Agency Personnel, Records, Surveys Checked: NA

Description (Reported/observed):

11.0 ADJACENT LAND USE

Property Use (North): RESIDENTIAL — 1302 YAKIMA AVE. S.

Property Use (South): RESIDENTIAL

Property Use (East): RESIDENTIAL — 1311, 1315, 1319, 1323, 1325 30TH AVE S

Property Use (West): RESIDENTIAL —

Potential Concerns (USTs, ASTs, spills, operations, age) NA - POTENTIAL HEATING OIL

12.0 PAST USE OF PROPERTY AND SURROUNDING AREA

Topography: SLOPES OVER 40% DOWN HILL TOWARD THE WEST

USTs (For on-site USTs include all information): NEARBY/OFF-PROPERTY RESIDENCES ORIGINALLY EQUIPPED WITH OIL-BURNING HEAT SYSTEMS. AST V. UST NOT KNOWN

ASTs (Include all information):

Solid/Hazardous Waste: NA

Spills and Leaks: NA

13.0 INTERVIEWS

Property Owner/Tenant (Name):

Adjacent Properties:

Local Regulatory:

14.0 MISCELLANEOUS INFORMATION