ARCO 6175

AU BURN/FET WHY

RETENSE 400435

IS IS 9461 anteagroup

NW 2534.

Antea USA, Inc. 4006 148th Avenue NE Redmond, Washington 98052 USA www.anteagroup.com

October 23, 2012

Mr. John Bails Washington Department of Ecology Northwest Regional Office 3190 160th Avenue SE Bellevue, WA 98008

Re:

Well Abandonment and Remediation System Decommissioning Activities ARCO Facility No. 6175 3910 South 320th Street Auburn, Washington

Dear Mr. Bails:

On behalf of Atlantic Richfield Company (ARC), AnteaTMGroup completed well abandonment and remediation system decommissioning activities at ARCO Facility No. 6175 located at 3910 South 320th Street in Auburn, Washington (hereinafter referred to as "subject property"). A Site Location Map is provided as Figures 1. All activities were completed following a No Further Action determination issued by the Washington State Department of Ecology (Ecology) for the subject property.

Antea Group contracted Custom Backhoe and Dump Truck Services (Custom Backhoe) of Bellevue, Washington to remove the remediation compound located behind the station building at the subject property. Bellevue Electric of Bellevue, Washington was contracted to isolate electrical service, and remove all electrical system components and conduits. Remediation system decommissioning activities were completed on August 7, 2012. Decommissioning activities included the removal of compound fence panels, a regenerative blower, a sound enclosure, a 55-gallon vapor/liquid separator tank, an electrical service panel, a control panel, and associated PVC piping. A PVC vapor conduit entering into the remediation system was cut off at ground level and sealed with concrete. All material was transported offsite for disposal.

Cascade Drilling, Inc. (Cascade) of Woodinville, Washington was contracted by Antea Group to complete the abandonment of vapor extraction wells VE-1 through VE-5. Cascade completed the well abandonment activities on August 10, 2012. A Site Map including the locations of the abandoned wells are presented in Figure 2.



Well Abandonment and Remediation System Decommissioning Activities ARCO Facility No. 6175 3910 South 320th Street Auburn, Washington October 23, 2012 Page 2



The vapor extraction wells were abandoned according to the requirements of the Ecology's Water Well Construction Act (1971) Chapter 18.104 RCW (WAC 173-160-460). The wells with large surface vaults were filled with hydrated bentonite chips to approximately three feet below ground surface. The remaining space was filled with concrete to the ground surface. The vault lids were concreted in place. Copies of the boring logs are enclosed with this submittal.

If you questions concerning the well abandonment activities or other aspects of this project, please contact Bryan Taylor at (425) 498-7727.

Sincerely,

Brandon Bickler Staff Professional

Reviewed by:

Bryan Taylor 4

Senior Project Manager

Enclosures:

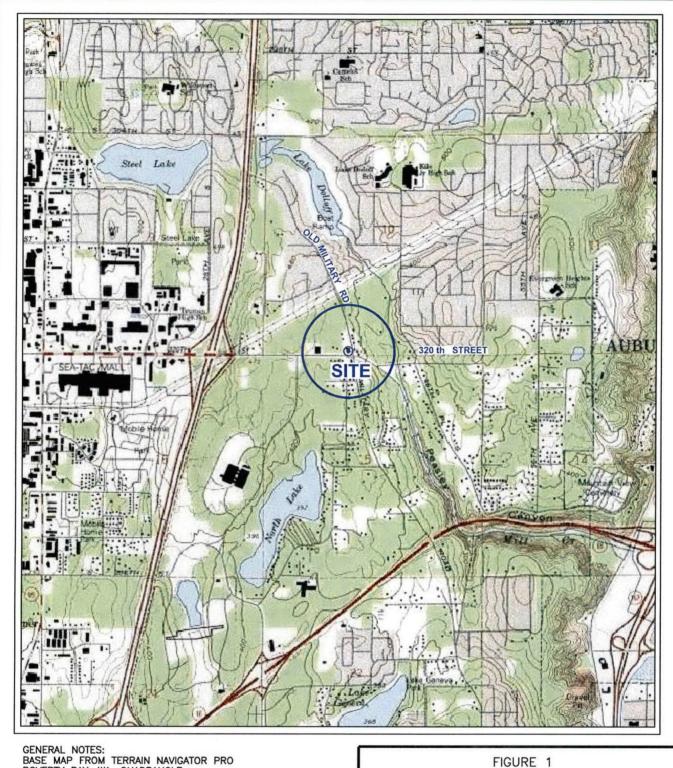
Figure 1 - Site Location Map

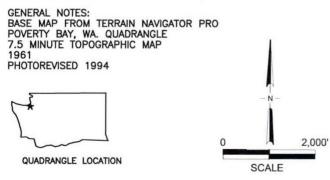
Figure 2 - Site Map

Well Abandonment Boring Logs

cc: Paul Supple, Atlantic Richfield Company (Electronic Copy - Enfos Upload)

File, Antea Group

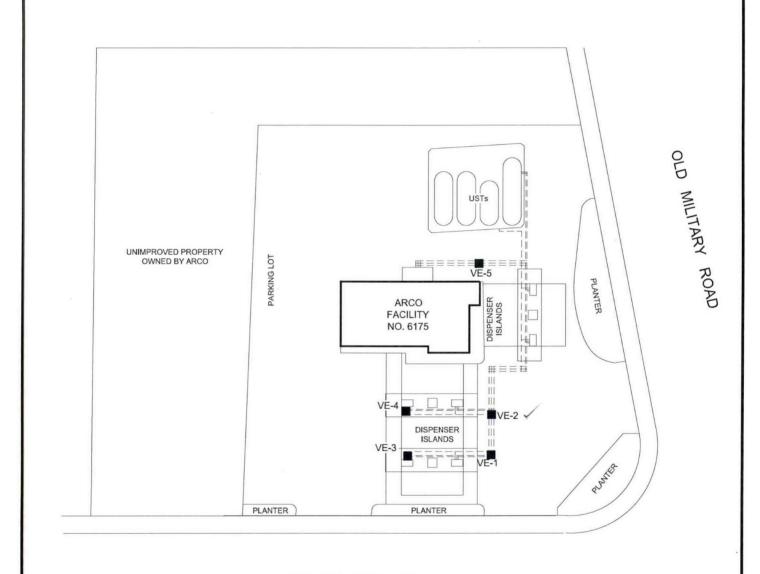




SITE LOCATION MAP ARCO FACILITY NO. 6175 3910 S. 320th STREET AUBURN, WA.

PROJECT NO.		DRAWN BY		
061750W111		K. MARTIN		
FILE NO.		PREPARED BY		
6175-SLM		M. MANIVONG		
DATE	REV.	REVIEWED BY		
13 JUL 11	1			





SOUTH 320th ST

LEGEND:

VE-3

ABANDONED WELL LOCATION

L___

SOIL VAPOR EXTRACTION BELOW GRADE CONVEYANCE PIPING

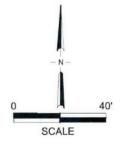


FIGURE 2 SITE MAP

ARCO FACILITY NO. 6175 3910 SOUTH 320th STREET AUBURN, WA.

PROJECT NO.	DRAWN BY
06175EA121	KYM 7/25/12
FILE NO.	PREPARED BY
AR-6175a -SM	BB
REVISION NO. 1	REVIEWED BY



	SOURCE PROTECTION ONE WELL REPORT PER WELL			RENT e of Intent No. <u>AE18</u>	175	
Cons	struction/Decommission			Type of Well		
Пс	 onstruction		Resource Protection			
XID	Decommission ORIGINAL INSTALLATION Notice			Geotechnical Soil Boring	Ω	
<u></u> 1-	of Intent Number		Property Owner Arco	 '	.	
			Site Address 159/	0 S 3200 87	F)	
Con	sulting Firm Antea USA-Redmond		City AUBURN			
1	Unique Ecology Well ID Fag No		Location 14 5E	1/4 <u>SW</u> Sec JO Two 1/2 N	R 4E or	
	ONSTITUCTION CERTIFICATION: I constructed and/oraccept to		Lat/Long (s.t,r Lat Deg Lat Min/Sco			
éons truc	tion of this well, and its compliance with all Washington well constn	ienou siandards	still Required) Long Deg Long Min/See			
M atoriol	used and the information reported above are true to my best knowl	edge und belief	Tax Parcel No.			
X Dr	ller Trainée Name (Print)	n Goble		4	NI.	
Drille	Iller Trainée Name (Print) Lyng r/Trainée Signature x Lyng	Zelete	Cased or Uncased Diameter	\$t	atic Level MA	
Drille	r/Traince License No. 292	<u>, , , , , , , , , , , , , , , , , , , </u>	Work/Decommission Start Da	ate 8/10/2012		
If trai	nce, licensed driller's			or fortage		
	ture and License No.		Work/Decommission Comple	ted Date 8-10-12		
	Construction/Design	Well Da	nta W12- 489	Formation Descr	iption .	
		CONCRETE SUR	FACE SEAL 2 FT 13 FT BENTON, TEC	0 - 0 -	FT FT	
			REQUIRED INFOR	MATION		
			(Must get one or both if	favailable)		
		DEPT OF ECOLO	GY WELL TAG#:		_	
		CLIENT WELL II	# AIR SPARGE	* 1		
		DEPTH OF BORING	<i>15</i> ft		÷	
Scale]"=	F	Pageof	ECY 050	+12 (Reo≃y 2 01)	

'RÉSOURCE PROTECTION SUBMIT ONE WELL REPORT PER WELL			RENT of Intent No. AE18175	
Construction/Decommission			Type of Well	
Construction		1	Resource Protection	
Decommission ORIGINAL INSTALLATIO	Decommission ORIGINAL INSTALLATION Notice		Geotechnical Soil Boring	
of Intent Number		Property Owner Arco		
		Site Address 159/	OS 300 ST	
Consulting Firm Anlea USA-Redmond	·	_ City AUBURN		ww.
Unique Ecology Well ID Tag No.		Location 14:58	14 <u>SW Sec 10 Twn 12 N</u> R 46 o	or .
WILL CONSTRUCTION CERTIFICATION: I constructed and/or accepts	exponsibility for	Lat/Long (s.t,r Lat Deg		
construction of this well, and its compliance with all Washington well constr	nogoù stàud a de	still Required) Long Deg	Long Min/Sec	
Materials used and the information reported above are true to my best know	·-	Tax Parcel No.		
X Driller Traine Name (Print) Lyng	n Goble			NA
Driller/France Signature N. Jejun J.	Zelekt	Cased or Uncased Diameter	Static Level	727
Driller/Traince License No. 29	302	Work/Decommission Start Date	te <u>8/10/2012</u>	
If trainee, licensed driller's	·		_	•
Signature and License No.	<u> </u>	Work/Decommission Complete	ed Date 8-10-12	
Construction/Design	Well	Data W12- 489	Formation Description	 ;
	•	IRFACE SEAL FT FT	available)	
Scale]" =	DEPTH OF BORIN	GFT Page of	ECY 050-12 (Rec - v 2 01	

RESOURCE PROTEC	· · · · · · · · · · · · · · · · · · ·		RENT c of Intent No. <u>AE</u>	18478		
Construction/Decommission		Type of Well				
Construction	Construction		Resource Protection	n		
X Decommission ORIGINAL INSTALL	ATION Notice		Geotecimical Soil I	Boring		
of Intent Number _	of Intent Number					
Consulting Firm Antea USA-Redmo			Site Address 159/0 S 336 ST. City Auburn County 17-King			
Unique Ecology Well ID Tag No		Location 14 SE 14 SW Sec 10 Twn 12 NR 46 or WWW				
WELL CONSTRUCTION CERTIFICATION: 1 communicated nindice		Lat/Long (s.t,r Lat Deg	Lat N	/lin/Sec		
construction of this well, and its compliance with all Washin Ston w	ell og netmotign elandæde	still Required) Long Deg Long Min/See				
Al sterials used and the information reported above we true to my b		Tax Parcel No.				
Driller/Trainee Signature x Lymn	ynn Goble	-		•		
Driller/Trainee Signature X 744	Bolile	Cased or Uncased Diameter	Cased or Unicased Diameter 2 Static Level			
Driller/Framee License No.	2982	Work/Decommission Start Date 8/10/2012				
If trainee, licensed driller's				Park part of		
Signature and License No.		Work/Decommission Complet	(cd Date 8-10-12)		
Construction/Design	Well	ー Data W12- <i>48り</i>	Formation 1	Description		
	CONCRETE SU	JRFACE SEAL	<u> </u>	FŤ		
4	— BACKFILL	13 FT BENTON, TC CH, P REQUIRED INFOR	MATION	FT .		
		(Must get one or both if				
	DEPT OF ECOLOGY WELL TAG #:					
	CLIENT WELL ID#: Air space 3					
	DEPTH OF BORIN	G <u>// f</u> t				
Scale 1" =	!	Pageof		CY 050-12 (Rec- v 2 01)		

RESOURCE PROTECT		
(SUBMIT ONE WELL REPORT PER WE	LL INSTALLED)	Notice of Intent No. AE18175
Construction/Decommission		Type of Well
Construcțion		Resource Protection
X Decommission ORIGINAL INSTALLAT of Intent Number	ION Notice	Geoteclunical Soil Boring Property Owner Arco
Consulting Firm Antea USA-Redmond		Site Address 159/05 500 57. City Augurd County 17-King
Unique Ecology Well ID Tag No		Location 14 SE 14 SW Sec/O Twn 12 1 R .4 E or
WELL, CONSTRUCTION CERTIFICATION: I constructed and orange	eptresponsibility for	Lat/Long (s.t.r Lat Dog Lat Min/See
construction of this well, and its compliance with all Washington well or	The state of the s	still Required) Long Deg Long Min/See
Miterials used and the information reported above are time to my best k		Tax Parcel No.
Driller/Trainee Signature x Driller/Trainee License No.	nn ceeke Idde als	Cased or Uncased Diameter 2 Static Level Ma
Diffici Prance Election 10.	7000	Work/Decommission Start Date 8/10/2012
If trainee, licensed driller's Signature and License No.		Work/Decommission Completed Date 8 = 10 - 12
Construction/Design	. Well I	Data W12- 489 Formation Description
	— CONCRETE SU	RFACE SEAL 0 FT
	— BACKFILL	13 FT 0 - FT BENTON, Tell CH. F REQUIRED INFORMATION
		(Must get one or both if available)
	DEPT OF ECOL	OGY WELL TAG #:
	CLIENT WELL I	D#: A12 SAMEGE 4
	DEPTH OF BORING	FT FT
Scale I" =		Page of ECY 050-(2 (Rec= v 2 01)

RESOURCE PROTECTION OF WELL REPORT PER WELL	ON WELL R installed)		RENT to of Intent No. <u>14 E</u>	18415	
Construction/Decommission	Type of Well				
Construction	Resource Protection				
Decommission ORIGINAL INSTALLATION Notice			Geotechnical Soil Boring		
of Intent Number	- 2 	Property Owner Arco			
Consulting Firm Antea USA-Redmond	Consulting Firm Antea USA-Redmond		Site Address 159/0 S 330 ST. City Auburd County 17-King		
Unique Ecology Well ID Tag No.		Location 14 SE 14 SW Sec 10 Twn 12 NR 46 or WWW			
WHILL CONSTRUCTION CERTIFICATION: 1 constructed and or accept 7	eabougipijih (ot	Lat/Long (s.t,r Lat Deg	Lait A	/lin/Sec	
construction of this well and its compliance with all Washington well consti	ແຕ່ຜູ້ວາເຮັໄຊ້ກັດ ໄລ້ d e	still Required) Long Deg Long Min/See			
Materials used and the information reported above are true to my best know	**	Tax Parcel No.	,		
X Driller Trainee Name (Print) Y Name (Print) Trainee Signature X Trainee Signature X Trainee Name (Print) Y Name (Print) Name (Pr	2614	Cased or Uncased Diameter	21	Static Level	
Driller/Framee License No. 39	82	_		· · · · · · · · · · · · · · · · · · · 	
To traducio di correspondi del Idado	· · · · · · · · · · · · · · · · · · ·	Work/Decommission Start De	ate 8/10/2012	······································	
If trainee, licensed driller's Signature and License No.		Work/Decommission Complet	ted Date 8-10-12	•	
Construction/Design	Well D	_	•		
		FT 13 FT BENTONITE CH. F REQUIRED INFOR (Must get one or both if) OGY WELL TAG#: D#: AIR SPARES	available)	FT	
Scale " =		Pageof		CV 050-12 (Recry 2 01)	