

Kyle Parker Washington State Department of Ecology Central Region Office 1250 West Alder Street Union Gap, WA 98903

Date: May 1, 2024 Our Ref: 30051484 Subject: Well Abandonment Report Site: AIG Liberty Tank Lines Spill Site Arcadis U.S., Inc. 1420 5th Avenue Suite 2400 Seattle, WA 98101 Phone: 206 325 5254 Fax: 206 325 8218 www.arcadis.com

Dear Mr. Parker,

Arcadis U.S., Inc. (Arcadis) submitted the *Closure Request* dated August 10, 2021, to the Washington State Department of Ecology (Ecology) for the site of the AIG Liberty Tank Lines Spill at Milepost 127 on State Highway 17 outside Bridgeport, WA (site) requesting a no further action (NFA) determination for the site. Ecology issued a NFA for the site on January 12, 2024. As part of site closure activities, Arcadis decommissioned site wells on April 2, 2024. Nine monitoring wells (AS-1 and MW-1 through MW-8) were decommissioned by a Washington licensed drilling subcontractor, Cascade Drilling, LP of Woodinville, Washington. Monitoring wells were decommissioned via chip in place using bentonite chips that included removal of well boxes using a skid-steer. Decommissioning related rubble was removed by Cascade Drilling as construction-related debris. No other environmental or remedial related infrastructure remains at the site; decommissioning logs are included as Attachment A.

Sincerely, Arcadis U.S., Inc.

2 ft

Ross LaGrandeur Project Manager

Email: ross.lagrandeur@arcadis.com Direct Line: 831-229-4548

Enclosures: Attachment A. Well Decommissioning Logs



Well Decommissioning Logs



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Resource Protection Well Report

Resource Protection Well R		Notice of Intent No.	AE82015	
Submit one well report per well installed. See page	e two for instructions.	Type of Well:		
Type of Work: ☐ Construction	R 53421	 Resource Protection Remediation Well Geotechnical Soil I 	Grounding We	ell
Ecology Well ID Tag No. AFS	S 826	Environmental Bor	•	
Site Well Name AS-1		Soil- 🗆 Vapor-		~
Consulting Firm Arcadis		· ·	ter Creek Land & Cattle	
Was a variance approved for this well/boring			SR-17, Mile Marke	
If yes, what was the variance for?		City Bridgeport		ıglas
		Tax Parcel No.	28260210001	
WELL CONSTRUCTION CERTIFICATION accept responsibility for construction of this well, and its Washington well construction standards. Materials used reported are true to my best knowledge and belief.	s compliance with all	<u>NW</u> 1/4-1/4 <u>SW</u> 1/4, Se	ms): WWM ection <u>2</u> Town <u>28N</u> 2345) <u>47.95059</u> 20.12345) -119.53412	
■ Driller □ Trainee □ Engineer			84 Coordinate System)	
Name (Print Last, First Name) James Gob		(_ inches Casing diameter	r 2" inches
Driller/Engineer/Trainee Signature	Can		ft below top of casing D	
License No. 3131 Company Name Cascade Drilling	Saattla		etion with bollards \Box Flu	
		_ • •		
If trainee box is checked, sponsor's license m			vell casing 3 ft above g	
Sponsor's signature		Start Date 4/2/2024	Completed Date	
Construction Design		Well Data	Driller's Lo	og
	Concrete Surface Seal Depth	2 FT_	0 – 32 Chip in place 2" well	FT
-	Backfill	30 FT		
	Backini	Bentonite Chips	-	FT
Г			FS 826]
	DEPT OF ECOLOG			
	CLIENT WELL ID		AS-1	
		32 FT		



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Resource Protection Well Report	rt
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Resource Protection Well F		Notice of Intent No.	AE82015	
Submit one well report per well installed. See pag	ge two for instructions.	Type of Well:		
Type of Work:		Resource Protection	n Well 🔲 Injection Point	;
	17982	Remediation Well	Grounding We	
$\blacksquare \text{ Decommission} \Longrightarrow \text{ Original NOI No.}$	BI 426	Geotechnical Soil I	- <u>-</u>	1
		\bigcirc \square Soil- \square Vapor-		
Site Well Name MW-1 Consulting Firm Arcadia	<u> </u>	1	ster Creek Land & Cattle	Comnany
-			SR-17, Mile Marke	
Was a variance approved for this well/boring If yes, what was the variance for?			County Dou	
If yes, what was the variance for?		Tax Parcel No.	•	5
			ns): WWM	
WELL CONSTRUCTION CERTIFICATIO accept responsibility for construction of this well, and in			ection <u>2</u> Town <u>28N</u>	Range 20E
Washington well construction standards. Materials use		Latitude (Example: 47.1		
reported are true to my best knowledge and belief. ■ Driller □ Trainee □ Engineer		Longitude (Example: -1		
Name (Print Last, First Name) James Go	ble		84 Coordinate System)	211
Driller/Engineer/Trainee Signature	(the		_ inches Casing diameter	
License No. 3131		Static water level <u>n/a</u>	ft below top of casing D	ate
Company Name Cascade Drilling	g - Seattle	Above-ground compl	etion with bollards 🛛 Flu	ish monument
If trainee box is checked, sponsor's license r		Stick-up of top of v	well casing 3 ft above g	ground surface
Sponsor's signature			Completed Date	
Construction Design		Well Data	Driller's Lo	
				0
	Concrete Surface	2 FT	0 - 15	FT
	Seal Depth		Chip in place 2" well	
			Chip in place 2 wen	
	Backfill	13 FT		
		Bentonite Chips		FT
				1
	DEPT OF ECOLOG	Y WELL TAG A	BI 426	
			MW-1	
	CLIENT WELL ID _		v1 vv -1	
				J
▲	Total Hole Depth	15 FT		



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Resource Protection Well Report	
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Resource Protection Well Re		Notice of Intent No.	AE82015	
Submit one well report per well installed. See page to		Type of Well:		
Type of Work:		Resource Protection	n Well 🔲 Injection Point	
	17982	Remediation Well	Grounding Well	
■ Decommission ⇒ Original NOI No.		Geotechnical Soil E Environmental Bor		
	<i>21</i>	\bigcirc \square Soil- \square Vapor-	U	
Site Well NameMW-2Consulting FirmArcadis		1	ter Creek Land & Cattle Comp	anv
Was a variance approved for this well/boring?		1 1	SR-17, Mile Marker 127	<u>any</u>
If yes, what was the variance for?		City Bridgeport		
If yes, what was the variance for .		Tax Parcel No.		
WELL CONSTRUCTION CERTIFICATION	x , , 1 1/		$\frac{1}{2} = \frac{28N}{2} = \frac{1}{2}$	
WELL CONSTRUCTION CERTIFICATION: accept responsibility for construction of this well, and its co			ection <u>2</u> Town <u>28N</u> Range	2012
Washington well construction standards. Materials used an reported are true to my best knowledge and belief.	d the information	Latitude (Example: 47.1		
■ Driller □ Trainee □ Engineer		Longitude (Example: -1		
Name (Print Last, First Name) James Goble	Δ		84 Coordinate System)	
Driller/Engineer/Trainee Signature	the		_ inches Casing diameter 2"	
License No. 3131		Static water level <u>n/a</u>	_ft below top of casing Date	
Company Name Cascade Drilling -	Seattle	Above-ground compl	etion with bollards 🛛 Flush mo	nument
If trainee box is checked, sponsor's license num	ber:	\hookrightarrow Stick-up of top of w	rell casing <u>3</u> ft above ground	surface
Sponsor's signature		Start Date <u>4/2/2024</u>	Completed Date 4/2/20	24
Construction Design	V	Vell Data	Driller's Log	
	Concrete Surface			
	Seal Depth	2 FT	0 - 12	FT
			Chip in place 2" well	
4	Backfill	10 FT		
	Dackini			FT
		Bentonite Chips		
			BI 427	
D.	EPT OF ECOLOG			
C	LIENT WELL ID _	Ν	1W-2	
	1			
│	Total Hole Depth	12 FT		



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Resource Protection Well Report	t
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Resource Protection Well		Notice of Intent No.	AE82015	
Submit one well report per well installed. See pa	ge two for instructions.	Type of Well:		
Type of Work:		Resource Protection	n Well 🔲 Injection Point	
$\square Construction$	17982	Remediation Well	Grounding We	
■ Decommission ⇒ Original NOI No.	BI 428	Geotechnical Soil I		
Ecology Well ID Tag No. All Site Well Name MW-3		Soil- 🗆 Vapor-		
Consulting Firm Arcad	is	1	ster Creek Land & Cattle	Company
Was a variance approved for this well/borin			SR-17, Mile Marker	
If yes, what was the variance for?	•		County Dou	
		Tax Parcel No.	•	0
			ns): WWM	
WELL CONSTRUCTION CERTIFICATIO			ection 2 Town $28N$	
accept responsibility for construction of this well, and i				Range <u>20E</u>
Washington well construction standards. Materials use reported are true to my best knowledge and belief.	ed and the information		47.95056	
■ Driller □ Trainee □ Engineer		Longitude (Example: -1		
Name (Print Last, First Name) James Go	ble		84 Coordinate System)	1 '' · · ·
Driller/Engineer/Trainee Signature			_ inches Casing diameter	
License No. 3131		Static water level n/a	ft below top of casing D	ate
Company Name Cascade Drillin	g - Seattle	Above-ground compl	etion with bollards 🛛 Flu	ish monument
If trainee box is checked, sponsor's license		Stick-up of top of v	vell casing <u>3</u> ft above g	ground surface
Sponsor's signature			Completed Date	
Construction Design		Well Data	Driller's Lo	
	Concrete Surface Seal Depth	2 FT	0 - 20	FT
	Sear Depar		Chip in place 4" well	
▲	Backfill	<u>18 FT</u>		
		Bentonite Chips		FT
				1
	DEPT OF ECOLOG	Y WELL TAG A	BI 428	
			MW-3	
	CLIENT WELL ID			
		20 FT		
	Total Hole Depth	<u> </u>		



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Resource Protection Well Report

Resource Protection Well R		Notice of Intent No.	AE82015	
Submit one well report per well installed. See page	two for instructions.	Type of Well:		
Type of Work:		Resource Protection	Well Injection Point	
Construction	R 53421	Remediation Well	Grounding Well	-
Decommission Original NOI No Fcology Well ID Tag No	827	Geotechnical Soil Bo		
	021	Soil- 🗆 Vapor-	·	
Site Well NameMW-4Consulting FirmArcadis		1	er Creek Land & Cattle Com	panv
Was a variance approved for this well/boring?			SR-17, Mile Marker 127	
If yes, what was the variance for?			CountyDouglas	
If yes, what was the variance for :		Tax Parcel No.		
			s): WWM \square or $2 - 28N$	
WELL CONSTRUCTION CERTIFICATION accept responsibility for construction of this well, and its			ction <u>2</u> Town <u>28N</u> Range	e <u>20</u> E
Washington well construction standards. Materials used reported are true to my best knowledge and belief.		Latitude (Example: 47.12		
■ Driller □ Trainee □ Engineer		Longitude (Example: -12		
Name (Print Last, First Name) James Gob	e O	1	34 Coordinate System)	
Driller/Engineer/Trainee Signature(in u	Borehole diameter	inches Casing diameter 2"	_ inches
License No. 3131		Static water level <u>n/a</u>	ft below top of casing Date	
Company Name Cascade Drilling	- Seattle	Above-ground comple	tion with bollards 🛛 Flush me	onument
If trainee box is checked, sponsor's license nu		Stick-up of top of we	ell casing <u>3</u> ft above ground	1 surface
Sponsor's signature			Completed Date 4/2/20	
				/= -
Construction Design	```	Well Data	Driller's Log	
	Concrete Surface			
	Seal Depth	<u>2 FT</u>	0 - 25	FT
			Chip in place 2" well	
	Backfill	23 FT		
	Dackim			FT
		Bentonite Chips		<u>F1</u>
	DEPT OF ECOLOG	Y WELL TAG AF	8 827	
	CLIENT WELL ID	М	W-4	
	=			
		25 FT		
▲	Total Hole Depth	<u> </u>		



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Resource Protection Well Report

Resource Protection Well Re	port	Notice of Intent No.	AE82015	
Submit one well report per well installed. See page tw	vo for instructions.	Type of Well:		
Type of Work:		Resource Protection	Well Injection Point	
Construction D 53421		Remediation Well	Grounding Well	
Decommission Original NOI No. AFS 8	29	Geotechnical Soil B	8	
		Environmental Bori		
Site Well Name MW-5		Soil- 🗆 Vapor-	1 0	
Consulting Firm Arcadis			er Creek Land & Cattle Company	
Was a variance approved for this well/boring?			SR-17, Mile Marker 127	
If yes, what was the variance for?			County Douglas	
		Tax Parcel No.	28260210001	
		Location (see instruction	s): WWM □ or EWM ■	
WELL CONSTRUCTION CERTIFICATION:		NW1/4-1/4 SW 1/4, Section 2 Town 28N Range 26E Latitude (Example: 47.12345) 47.95063 47.95063 119.53350		
accept responsibility for construction of this well, and its co Washington well construction standards. Materials used an				
reported are true to my best knowledge and belief.				
Driller 🗆 Trainee 🗆 Engineer	-	(WGS &	84 Coordinate System)	
Name (Print Last, First Name) James Goble	hu	Borehole diameter	inches Casing diameter <u>2"</u> inches	
Driller/Engineer/Trainee Signature(jau	Static water level $\frac{n/a}{a}$ ft below top of casing Date		
License No. 3131 Company Name Cascade Drilling	Seattle		tion with bollards \Box Flush monument	
If trainee box is checked, sponsor's license num			ell casing 3 ft above ground surface	
Sponsor's signature		Start Date <u>4/2/2024</u>	Completed Date 4/2/2024	
Construction Design		Vell Data	Driller's Log	
	Concrete Surface	2 FT	0 - 25 FT	
	Seal Depth	<u>2 FT</u>		
			Chip in place 2" well	
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Backfill	23 FT		
		Bentonite Chips	- FT	
D	EPT OF ECOLOGY	Y WELL TAG AF	S 828	
CLIENT WELL ID		Μ	W-5	
	LIENT WELL ID_			
		25		
	- Total Hole Depth	<u>25 FT</u>		



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Resource Protection Well Report

Resource Protection Well Re	eport	Notice of Intent No.	AE82015	
Submit one well report per well installed. See page	two for instructions.	Type of Well:		
Type of Work:		Resource Protection	Well Injection Point	
Construction	R 53428	Remediation Well	Grounding Well	
■ Decommission ⇒ Original NOI No Ecology Well ID Tag No	160	Geotechnical Soil Bo		
	100	Soil- 🗆 Vapor-	•	
Site Well NameMW-6Consulting FirmArcadis		-	er Creek Land & Cattle Company	
		1 1	SR-17, Mile Marker 127	
Was a variance approved for this well/boring? If yes, what was the variance for?			CountyDouglas	
If yes, what was the variance for?		Tax Parcel No.		
			s): WWM \square or EWM	
WELL CONSTRUCTION CERTIFICATION accept responsibility for construction of this well, and its of			ction <u>2</u> Town <u>28N</u> Range <u>26</u>	
Washington well construction standards. Materials used a		Latitude (Example: 47.12		
reported are true to my best knowledge and belief.		Longitude (Example: -12		
■ Driller □ Trainee □ Engineer Name (Print Last, First Name) James Gobl	e O		84 Coordinate System)	
Driller/Engineer/Trainee Signature	like	Borehole diameter	_ inches Casing diameter _ 2" inc	
License No 3131		Static water level <u>n/a</u> ft below top of casing Date		
Company Name Cascade Drilling	- Seattle	□ Above-ground comple	tion with bollards 🔳 Flush monum	
If trainee box is checked, sponsor's license nu		• •	ell casing ft above ground surf	
Sponsor's signature				
			Completed Date 4/2/2024	
Construction Design	V	Vell Data	Driller's Log	
	Concrete Surface Seal Depth	2 FT	0 – 32 FT	
	-		Chip in place 2" well	
•	Backfill	<u> </u>		
		Bentonite Chips	- FT	
I	DEPT OF ECOLOGY	Y WELL TAG AH	R 160	
		м	[W-6	
	CLIENT WELL ID _			
▲	Total Hole Depth	<u>32 FT</u>		



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Resource Protection Well Report

Resource Protection Well Rep	oort	Notice of Intent No.	AE82015	
Submit one well report per well installed. See page tw	o for instructions.	Type of Well:		
Type of Work:		Resource Protection	Well Injection Point	
Construction	RE06234	Remediation Well	Grounding Well	
		Geotechnical Soil Bo		
Ecology Well ID Tag No BHC 90	J0	Environmental Borir		
Site Well Name MW-7		Soil- 🗆 Vapor- I		
Consulting Firm Arcadis			er Creek Land & Cattle Company	
Was a variance approved for this well/boring?	🗆 Yes 🔳 No		SR-17, Mile Marker 127	
If yes, what was the variance for?		City Bridgeport		
		Tax Parcel No.	28260210001	
		Location (see instructions		
WELL CONSTRUCTION CERTIFICATION: I	constructed and/or		ction <u>2</u> Town <u>28N</u> Range <u>26E</u>	
accept responsibility for construction of this well, and its con		Latitude (Example: 47.12345) 47.95091 Longitude (Example: -120.12345) -119.53409		
Washington well construction standards. Materials used and reported are true to my best knowledge and belief.	the information			
🔳 Driller 🗆 Trainee 🗆 Engineer				
Name (Print Last, First Name) James Goble	<u> </u>		34 Coordinate System)	
Driller/Engineer/Trainee Signature	the		inches Casing diameter <u>2"</u> inches	
License No. 3131	1	Static water level <u>n/a</u>	ft below top of casing Date	
Company Name Cascade Drilling - S	eattle	□ Above-ground comple	tion with bollards 🛛 🔳 Flush monument	
If trainee box is checked, sponsor's license numb	er:	Stick-up of top of well casing ft above ground surface		
Sponsor's signature			Completed Date 4/2/2024	
		Vell Data		
Construction Design	``	ven Data	Driller's Log	
	Concrete Surface			
	Seal Depth	<u>2 FT</u>	0 – 34 FT	
			Chip in place 2" well	
		22		
•	Backfill	<u> </u>		
		Bentonite Chips	FT	
DE	PT OF ECOLOG	Y WELL TAG BH	С 900	
CLIENT WELL ID		М	W-7	
	IENT WELL ID_	N		
	Total Hole Depth	34 FT		
	Hole Depui			



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Resource Protection Well Rep	oort	Notice of Intent No.	AE82015	
Submit one well report per well installed. See page two	o for instructions.	Type of Well:		
Type of Work:		Resource Protection	Well Injection Point	
Construction	DE0(32)	Remediation Well	Grounding Well	
Decommission — Original NOT No.	RE06234	Geotechnical Soil Bo		
Ecology Well ID Tag No BHC 89		Environmental Borir	-	
Site Well Name MW-8		Soil- 🗆 Vapor- I	1 0	
Consulting Firm Arcadis			er Creek Land & Cattle Company	
Was a variance approved for this well/boring?	🗆 Yes 🔳 No		SR-17, Mile Marker 127	
If yes, what was the variance for?		City Bridgeport	County Douglas	
		Tax Parcel No.	28260210001	
		Location (see instructions	s): WWM 🗆 or EWM 🔳	
WELL CONSTRUCTION CERTIFICATION: I	constructed and/or	· ·	ction <u>2</u> Town <u>28N</u> Range <u>26E</u>	
accept responsibility for construction of this well, and its con Washington well construction standards. Materials used and		Latitude (Example: 47.12	-	
reported are true to my best knowledge and belief.	the information	Longitude (Example: -12		
🗖 Driller 🗆 Trainee 🗆 Engineer			84 Coordinate System)	
Name (Print Last, First Name) James Goble June Uniller/Engineer/Trainee Signature			. ,	
		Borehole diameter inches Casing diameter inches		
License No 3131	/	Static water level <u>n/a</u>	ft below top of casing Date	
Company Name Cascade Drilling - S	eattle	□ Above-ground comple	tion with bollards 🛛 🔳 Flush monument	
If trainee box is checked, sponsor's license numb	er:	Stick-up of top of well casing ft above ground surface		
Sponsor's signature		Start Date <u>4/2/2024</u> Completed Date <u>4/2/2024</u>		
Construction Design		Vell Data	Driller's Log	
	•	ven Data	Dimer's Log	
	Concrete Surface			
	Seal Depth	<u>2 FT</u>	0 – 35 FT	
			Chip in place 2" well	
		22 ET		
	Backfill	<u> </u>		
		Bentonite Chips	FT	
DE	PT OF ECOLOG	Y WELL TAG BH	C 899	
			W-8	
	IENT WELL ID _	N		
	Total Hole Depth	35 FT		