



Plaza 600 Building, 600 Stewart Street, Suite 1700, Seattle, Washington 98101, Telephone: 206.728.2674, Fax: 206.728.2732

www.geoengineers.com

To:	Andy Kallus, Washington State Department of Ecology
From:	Erik Gerking, Port of Everett; lain Wingard and John Herzog, GeoEngineers
Date:	April 6, 2018
File:	0676-020-05
Subject:	Notification of Well Decommissioning at Mill A Cleanup Site

### PURPOSE AND BACKGROUND

The purpose of this memorandum is to notify the Washington State Department of Ecology (Ecology) Toxics Cleanup team for the need to decommission monitoring wells at the Weyerhaeuser Mill A Former (Mill A) Site (Site) located in Everett, Washington. The wells are to be decommissioned because they are located within an area undergoing construction to strengthen the marine terminal. Mill A is currently listed in Ecology's database of confirmed and suspected contaminated sites under Facility/Site Number 1884322 and Cleanup Site ID 2146. The Remedial Investigation (RI) for the Upland Area is being performed by the Port of Everett (Port), Weyerhaeuser Company (Weyerhaeuser) and Department of Natural Resources (DNR) under Agreed Order (AO) No. DE 8979 issued by the Ecology. Upland Area investigation activities included installation of and sampling and analysis from groundwater monitoring wells at the Site including the wells to be decommissioned.

### SOUTH TERMINAL WHARF UPGRADES PROJECT

The Port is in the process of contracting to construct upgrades to the wharf at the South Terminal to strengthen the wharf to accommodate heavier loads. The South Terminal Wharf and Electrical Upgrades Project consists of wharf retrofit work including demolition of existing structures and pavement, installation of new steel pipe piles, utilities replacement, and repaving of the wharf. The work area encompasses the locations of wells installed as part of the investigation of the Upland Area at the South Terminal.

### WELL DECOMMISSIONING WORK

The South Terminal Wharf Upgrades Project work will impact existing monitoring wells EST14, EST18 and EST19 (Figure 1). These monitoring wells are located within the footprint of the wharf upgrade project excavation and/or pavement demolition and replacement areas. Other wells in the vicinity of the construction project will be protected in place. The Port plans to decommission the three monitoring wells prior to construction activities at the South Terminal. It is possible that additional, adjacent monitoring wells may need to be decommissioned as a result of construction activities. If that is required, the Port will notify Ecology prior to decommissioning any additional monitoring wells.

The wells to be decommissioned are constructed of 2-inch-diameter, flush-threaded, Schedule 40 polyvinyl chloride (PVC) casing with machine-slotted PVC screen (0.010-inch). The top of the well screens were positioned approximately 5 feet above the observed groundwater level at the time of drilling, or within 3 feet of the ground surface, whichever was deeper. Screened intervals ranging from approximately 5 to 15 feet in length were positioned across the water table. Each well has a concrete surface seal and a flush-mount monument cemented in place. The well installation logs for EST14, EST18 and EST19 are provided in Attachment 1 and the Resource Protection Well Reports are provided Attachment 2.

Memorandum to Ecology April 6, 2018 Page 2

Well decommissioning will be completed by a Washington State licensed driller in accordance with Ecology requirements. GeoEngineers technical staff will oversee the well decommissioning activities. Well decommissioning will be completed in compliance with Revised Code of Washington (RCW) 173-160-460 and will consist of the following general procedures for each well:

- Driller will submit notice of intent (NOI) documents to Ecology a minimum of 72-hours prior to decommissioning;
- Place bentonite chips into the well casing to fill the entire well casing;
- Pour sufficient water into the well casing to activate the bentonite chips;
- Remove monument;
- Place concrete patch over the decommissioned well location; and
- Decommissioning reports will be submitted to Ecology.

This worked is scheduled to be completed by the end of April 2018. The Port will notify the Ecology Toxics Cleanup Program team after the monitoring wells are decommissioned.

### FUTURE WELL REPLACEMENT

Currently there are no additional planned sampling events for completion of the Remedial Investigation/Feasibility Study for the Mill A Site. If groundwater samples are needed in the future at these monitoring well locations, the Port will coordinate with Ecology to re-install monitoring wells as required for the cleanup.

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.



- 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication. Data Source: Base aerial from Bing Maps, 2011.
- Projection: NAD 1983 StatePlane Washington North FIPS 4601 Feet
- Previous Soil/Groundwater Investigation Location
- Shallow Soil Boring/Monitoring Well ╋
- Gravel Paved Working Surface
- A Cross Section

- Marysville Outfall 100 (Approximate) Current Kimberly-Clark/Weyerhaeuser Outfall
- -SW001 (Approximate)



Figure 1

## ATTACHMENT 1 Monitoring Well Logs

Drilled 1/1	<u>Start</u> 3/2010	<u>En</u> 1/14/		Total Depth		86.5	;	Logged By GRL Checked By	Drille	r Cascade Drilling			Drilling Method	Hollow S	Stem Auger
Hammer Data		300	) lb/30 i	in Drop	0			rilling Cl quipment Cl	ME 75	Truck Rig	A 2 inch	well was		0 feet soutl	<b>:-519</b> h of boring on
Surface Ele Vertical Dat		)	Undet	termine	ed			op of Casing levation (ft)				0 to a de <u>water</u>	epth of 15 fe	Depth to	
Easting (X) Northing (Y	<b>)</b>							orizontal atum	rizontal			asured )10	Wa	ater (ft) 0.1	Elevation (ft)
Notes:	,	Data:	5 foot le	ong co	ontin	uous fli		4" I.D., 8" O.D.							
<u> </u>		FIFI	.D DA	ТА											
set)	(ii						c						WELL LOG		
Elevation (feet) Depth (feet)	ed	/foot	Collected Sample	Sample Name	Water Level	Graphic Log	Group Classification	DES	IATER SCRIF	rial PTION		Headspace Vapor			Steel Surface
Elevat Depth	Interval Recovered	Blows/foot	Collect	Sampl	Nater	Graph	Group Classi				Sheen	Heads /apor			Monument
0-			-		-		AC	6 inches of Asphalt							Concrete surface
	15	50				o ⊡∵⊡ s	GP P-SM	- Base course gravel (note: 1 inch cr	ushed ro		NS	0.0	1.5' —		seal Bentonite seal
	4	50/5"						_ gravel (very der Grades to with grav	nse, mois	st) (fill)	_ ss	0.0	3.0' —	%) <del>-</del> %	2-inch Schedule 40 PVC well
E							SP	-		th occasional gravel	-		5.0' —		casing
5 15 25 18 74								and trace silt (n	nedium d	lense, moist) (fill)	NS	0.0	3.0		
	-							gravel, and trac	Gray fine to coarse sand with silt, occasional gravel, and trace shell fragments (very dense, - moist) (fill) (slight sulfur odor)			0.0			
	18	31	<b>_</b>					Grades to dense		,	SS	0.0			# 2/12 sand
10 - 18   14   1   1   1   1   1   1   1   1									Dark gray laminae of silty fine sand and sandy silt, trace wood (medium dense/stiff, moist to wet) (fill)			0.0			∴ backfill 2-inch Schedule 40 PVC screen,
								Gray fine to coarse		th occasional gravel lense, wet) (fill)	NS NS	0.0 0.0			0.010-inch slot width
	14	31						(slight sulfur od Grades to dense	lor)	iense, wet/ (iiii)	NS	0.0			
$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\$								-			NS	0.0	11.0		
15 -	13	34						-		-	NS	0.0	14.6' <u>-</u> 15.0'		
		10						Grades to with gravel, medium dense Grades to with fine gravel				0.0 0.0			
	6	19 14									- NS 0. - NS 0.	0.0			
00		11	<b>—</b>									0.0			
20 -	$\mathbb{H}_{s}$	13	1					-	8	-	NS NS	0.0 0.0			
	10	7						- Grades to no grave	l, loose		_ NS	0.0			
		19									_ NS _ NS	0.0 0.0			
25 <b>-</b>	<u>_</u> ][_]							Grades to medium Grades to fine to m		and -	NS	0.0			
		22				i i i All G	P-GM	_			= NS	0.0			
$- 18 19 \qquad $								(medium dense gravel (subroun	, wet) (fi ided))	ll) (note: one 2 inch	NS	0.0			
								Gray fine to coarse (medium dense			NS NS	0.0 0.0			
30 -	- II õ	20 27						-		-	NS	0.0			
	0	27													
	-	44					GP	Gray fine to coarse	gravel.	trace silt (dense, wet)	-				
		10 20						- (fill) Grades to medium	-	(,)	NS	0.0			
35 - Note: Se	ee Figure	•	r explan	nation o	fsyn	nbols.			301150	-		'			
<u> </u>															
 								Log of Monito	-			armin		Nolor	mont
GE	0E			ED	c	6	1	Project: Project Locati		Port of Everett So Everett, Washingt			iai Rede	evelopi	
UE	GEOENGINEERS							Project Location: Everett, Washington Project Number: 0676-018-04 Sheet 1				Figure A-8 Sheet 1 of 3			



Ë 18 GP. Date:3/1



Drille	ed 8/4	<u>Start</u> /2016	<u>En</u> 8/4/2	<u>nd</u> 2016	Total Depth		3	6		Logged By PDR Checked By RST	Driller Cascade Drilling	, LP			Drilling Method	lollow-Ste	em Auger
Hamr Data	ner		Ro 300 (I	pe & bs) /	Cathead 30 (in) D	rop			Dril Equ	ing ipment	CME 75			ll I.D.: E vell was		3/4/2016 to a	a depth of 18 (ft).
	ce Elev cal Datu	ation (ft			18.04 MLLW					of Casing ation (ft)	17.63	Gro	und	<u>water</u>	Dept	th to	,
Eastin North	ng (X) iing (Y)				58084.4 298527				Hor Dat	izontal um	NAD83					Elevation (ft) 7.0	
Note	s:																
			FIEL	-	ATA										V	VELL	LOG
Elevation (feet)	Depth (feet)	Interval Recovered %	Blows/foot	Collected Sample	<u>Sample Name</u> Testing	Water Level	Graphic Log	Group	Classification		ATERIAL SCRIPTION	u Vo	Sheen	Headspace Vapor (ppm)	rs.T		Steel surface monument
		100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       67       100       100       100       67       100       100       67       33       67       33       67       33       67       33       67       33       83	B         12         11         18         10         17         9         14         11         8         11         8         9         7         11         10         8         9         7         11         10         11         10         15         16		EST18 4-5 CA EST18 9-10 EST18 10-11 CA EST18 17-18 CA EST18 17-18 CA EST18 12-25 EST18 24-25 EST18 24-25			<u> </u>	CMSMPPPPPPPPPP	<ul> <li>(moist) (fill)</li> <li>Brown fine to coars occasional gravel (me</li> <li>Brown fine to coars and gravel (me</li> <li>Brown fine to coarse gravel (medium</li> <li>Gray fine to coarse dense, wet)</li> <li>Gray medium to co (medium dense</li> <li>Gray medium to co (medium dense</li> <li>Gray fine to coarse dense, wet)</li> <li>Gray fine to coarse dense, wet)</li> </ul>	coarse gravel with sand se sand with silt and vel (medium dense, moist) se sand with occasional silt dium dense, moist) se sand with occasional e esne, moist) se sand with gravel (medium coarse sand with gravel e, wet)		21 21 21 21 21 21 21 21 21 21 21 21 21 2	a) Ho         1.2         2.7         2.5         1.6         2.8         1.3         2.1         2.8         3.1         3         22         1.3         1.3         <1	1.5 2.0 2.8 2.8 17.8 18.0		<ul> <li>Concrete surface seal</li> <li>2-inch Schedule</li> <li>40 PVC well casing Pure gold bentonite chips</li> <li>10/20 silica sand backfill</li> <li>2-inch Schedule</li> <li>40 PVC screen, 0.010-inch slot width</li> <li>2-inch Schedule 40 end cap</li> <li>Pure gold bentonite chips</li> </ul>
	35_J□□   16      : .   NS   <1    : .																
	Log of Monitoring Well EST18																
Seattle: Date: D	GEOENGINEERS       Project:       Weyerhaeuser Mill A Former         Project Location:       Everett, Washington         Project Number:       0676-020-05																

ſ				FIEL	D D	ATA									WELL LOG
	Elevation (feet)	ଝ Depth (feet) I	Interval Recovered %	Blows/foot	<ul> <li>Collected Sample</li> </ul>	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATI DESCF	ERIAL RIPTION	Sheen	Headspace Vapor (ppm)		188888
		_				EST18_ 35-36								36.0'—	
VL_WELL															
RONMENT/															
SEI8_ENVIF															
US.GDT/G															
S_DF_STD															
NGINEER															
plate:GEOE															
late/LibTem															
J DBTemp															
602005.GP															
0/GINT/067															
S\0\067602															
Seattle: Date 2/6/17 PathW: PROJECTS006676020/GINT067602005.GPJ DBTemplate/LibTemplate/GEOENGINEERS_DF_STD_US.GDT/GEI8_ENVIRONMENTAL_WELL	No	te: See	e Figure	A-1 fo	r expla	anation of	fsyn	nbols	-						
6/17 Path:W	Log of Monitoring Well EST18 (continued)														
e: Date:2/1(	0		F			EER	ç		7	Project: Project Location:	Weyerhaeuser Mill Everett, Washington		rmer		
Seattle				1U		CCR				Project Number:	0676-020-05				Figure A-56 Sheet 2 of 2

Easing (X)     330324.2     Datum     NADB3     10/10/2016     11.7     5.9       Northing (Y)     1298756.5     Datum     NADB3     10/10/2016     11.7     5.9       Notes:     Image: Strate Str	Drille	<u>s</u> d 8/4/	<u>Start</u> 2016	<u>Er</u> 8/4/2	<u>nd</u> 2016	Total Depth	n (ft)	52		Logged By PDR Checked By RST	Driller Cascade Dri	illing, LF	D		Drilling Method	Hollow-St	em Auger
Surface Elevation (ft) 17.99 Vertical Datum MLLW Elevation (ft) 17.56 Elevation (ft) 17.56 Elevation (ft) 17.56 Date Measured Massel During Construction Sector Decision S		ner		Rc 300 (I	pe & bs) / 3	Cathead 30 (in) D	rop				CME 75					n 8/4/2016 to	a depth of 20 (ft)
Lessing (X) Nothing (Y)       300224.2 (28076.5)       Initial Datum       NAD83       10/10/2016       11.7       5.9         Notes:       Initial Sector       Initial Sector </td <td></td> <td></td> <td>ation (ft)</td> <td>-</td> <td></td> <td>17.99</td> <td></td> <td></td> <td></td> <td></td> <td>17.56</td> <td></td> <td>Ground</td> <td colspan="3">Groundwater Depth to</td> <td>,</td>			ation (ft)	-		17.99					17.56		Ground	Groundwater Depth to			,
FIELD DATA     WELL LOG       (a)     (a)     (b)     (b)     (c)	Eastin Northi	ng (X) ing (Y)								nzontal NAD83				Date Measured Water (ft)		Elevation (ft) 5.9	
(a)       (b)       (b)       (c)       (	Notes	3:										I					
AC         10 inches of asphalt concrete           AC         10 inches of asphalt concrete           Concrete sarda         Concrete sarda           Concrete sarda         Concrete sarda           SP         Brown frag ine to coarse sand with occasional sitt (medium dense, moist) (fill)         NS         <1         1.5           SP         Brown frag ine to coarse sand with occasional sitt (medium dense, moist)         NS         <1         1.5           SP         Brown frag ine to coarse sand with occasional sitt (loose to medium dense, moist)         NS         <1         1.5           SP         Brown frag ine to coarse sand with occasional sitt (loose to medium dense, moist)         NS         <1         4.8°           NS         <1         SP         Gray medium to coarse sand with occasional gravel         NS         <1           SP         Gray medium to coarse sand with occasional gravel         NS         <1         4.8°           NS         SP         Gray medium to coarse sand with occasional gravel         NS         <1           SP         Gray fine to coarse sand with occasional gravel         NS         <1         98           SP         Gray fine to coarse sand with occasional gravel         NS         <1         98           SP         Gray fine to coarse sand with o	$\geq$			FIEL	D D	ATA										WELL	LOG
AC         10 inches of asphalt concrete         Concrete surface           5         100         26         GP         Gray 5/8-inch minus crushed rock with fine to coarse sand with occasional site (medium dense, moist) (fill)         NS         <1	(feet)	it)	% F		ample	ame	e	Бc	tion	M	ATERIAL			a e			Ctool outfood
AC         10 inches of asphalt concrete         AC         10 inches of asphalt concrete	vation	oth (fee	rval overed	vs/foot	ected S	ting	ter Lev	phic Lo	up ssificat	DES	CRIPTION		en	idspac		/	
-5       -100       26         -5       100       26         5       100       13       EST19         -5       100       9         -6       100       9         -5       100       9         -6       100       7         -6       100       7         -7       -7       EST19         -6       100       7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7       -7       -7         -7 <td< td=""><td>Elev</td><td></td><td>Inte Rec</td><td>Blov</td><td>Colle</td><td>Tes</td><td>Wat</td><td></td><td></td><td>10 in the standard</td><td></td><td></td><td>She</td><td>Hea Vap</td><td>L K</td><td></td><td><math>\mathbb{N}</math></td></td<>	Elev		Inte Rec	Blov	Colle	Tes	Wat			10 in the standard			She	Hea Vap	L K		$\mathbb{N}$
SP       Brown-gray fine to coarse sand with occasional stil (medium dense, moist) (fill)       NS       <1	-	_								Gray 5/8-inch minu	s crushed rock with fine	e to	-		1.5'—		
SP       Brown fine to coarse sand with occasional silt       NS       <1	- _{%}	-	100	26					SP	Brown-gray fine to o	coarse sand with occas	sional	NS	<1	3.0'—		bentonite chips 2-inch Schedule
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>_</u> \$	-	100	18	┢	12-13			SP		/ith occasional gravel		NS	<1			40 PVC screen, 0.010-inch slot
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SP Gray line to coarse sand with occasional gravel NS S1 19.8' - 19.8' - 2-inch Schedule	_0	-	100	6						-			NS	<1			· • •
40 end cap		- 20	100	8					SP	(1	sand with occasional g	gravel	NS	<1			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-		100	14	L.	EST19_ 20-21				_			NS	<1	20.0'	10/0/0/0/0 10/0/0/0/0 10/0/0/0/0/0/0/0/0	40 end cap
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	_	67	8	↓ ↓	<u>EST19</u> <u>23-24</u> CA			SP			edium	NS	<1		6666666 666666 8666666 866666666666666	
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$\frac{1}{30} + \frac{1}{67} + \frac{1}{10} $	0	-	100	7	$\left  \right $	EST19_				_			NS	<1		10101010 10101010 10101010 10101010	
$\frac{1}{30} - \frac{1}{67} + \frac{1}{14} + \frac{1}{100} + \frac{1}{14} + \frac{1}{33 - 34} + \frac{1}{5P} + \frac{1}{67ay} $ (Gray fine to coarse sand with occasional silt (medium dense, wet) + \frac{1}{5P}	-	-	100	10	╞┻	21-20				-			NS	<1		XXXXXX VXVX XXXXXX	
$SP = \begin{bmatrix} Gray \text{ medium to coarse sand with occasional} \\ SP = \begin{bmatrix} Gray \text{ medium to coarse sand with occasional} \\ SP = \begin{bmatrix} Gray \text{ fine to coarse sand (medium dense, wet)} \\ Gray \text{ fine to coarse sand (medium dense, wet)} \end{bmatrix} NS < 1 \\ NS $	-	30 —	67	10						-		-	NS	<1		\$7\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
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35       Image: See Figure A-1 for explanation of symbols.	N	-	100	14		EST19_ 33-34				silt (medium de	ise, wet)		NS	<1		1777777 1777777 1777777777777777777777	
Note: See Figure A-1 for explanation of symbols.	-	67 15 SP Gray fine to coarse sand (medium dense, wet) NS <1															
ř.	No																
Log of Monitoring Well EST19	$\equiv$																
Project: Weverhaeuser Mill A Former	<u> </u>																
GEOENGINEERS Project Location: Everett, Washington Project Number: 0676-020-05 Figure A-57 Sheet 1 of 2	C																

$\square$			FIEL	D D	ATA							WELL LOG
Elevation (feet)	院 Depth (feet) 	Interval Recovered %	Blows/foot	<b>Collected Sample</b>	<u>Sample Name</u> Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	
- - - 29												Pure gold bentonite chips
- - -	 40	89	11	Ţ	EST19_ 40-41				 	NS	<1	
^^2 - - -	- 45 — -	100	13	Ţ	EST19_ 45-46				 	NS	<1	
- - - -	- - 50 — -	100	40	<b></b>	EST19_ 50-51			ML	Gray silt with fine sand and occasional shell fragments (dense, wet) (Whidbey Formation)	NS	<1	52.0'

GEOENGINEERS\_DF\_STD\_US.GDT/GEI8\_ENVIRONMENTAL\_WELL DBT JECTS\0\0676020\GINT\067602005.GPJ attle: Date:2/16/

Note: See Figure A-1 for explanation of symbols.

# Log of Monitoring Well EST19 (continued)



Project: Project Number:

Weyerhaeuser Mill A Former Project Location: Everett, Washington 0676-020-05

Figure A-57 Sheet 2 of 2

### ATTACHMENT 2 Resource Protection Well Reports

SOURCE PROTECTION	I WELL REPORT TALLED)	CURRENT No.	QI-SE-300 RE04166
Construction/Decommission 369	447	Type of Well	
Decommission ORIGINAL INSTALLATION N of Intent Number	Property Owner	Geotechnical S Port of Everett	
Consulting Firm GeoEngineers-Tacoma	Site Address <u>T</u> City <u>Everett</u>	erminal St. & Bond St County	31-Snohomish
Unique Ecology Well ID	Location	/4 <u>NW 1/4 NW Sec 30</u>	Twn 29N R 5E or WWM
Tag No. BCG-519 WELL CONSTRUCTION CERTIFICATION: I constructed and/or naccept respon construction of this well, and its compliance with all Washington well construction			Lat Min/Sec Long Min/Sec
Materials used and the information reported above are true to my best knowledge			
X Driller Trainee Name (Print) Sieve Choate Driller/Trainee Signature Driller/Trainee License No. 2682	Cased or Uncased Work/Decommissio	Diameter	Static Level <u>10</u>
If trainee, licensed driller's	Work/Decommissio	/ <u>3</u>	
Construction/Design	Well Data W10-008	Forma	tion Description
Dept	۱. <u> </u>	FT Black	15 FT San1)
Mate		FT	
Seal Mat			FT
Mat	erial	_	
Grav	vel Pack <u>12</u> erial <u>Sand</u>	FT	
- Gra- Mat	$\frac{2}{\times 10}$		FT
- Sta	t Size <u>SIO</u>		
	terial <u>Puc</u>		
We	ll DepthS	FT	
Ма	terial		CEIVED
Scale 1" =	Page		AR 1 1:0204012 (Rec=v 2/01)
			ot of Ecology /R-NWRO

(b7.

# **RESOURCE PROTECTION WELL REPORT** CURRENT

INSTALLED)		Notice	of Intent No.	k	(E13154	
			Type of Well			
			<b>X</b> Resource	Protection		
ON Notice			Geotechn	ical Soil Boring	2	
	Property Owner				-	
	Site Address		29	00 Terminal A	ve	
	City	Everett	Co	unty S	Snohomish	
120	Location		1/4 <b>NW</b> Sec			
		-	<u>x</u>	•		
	sun kequired)	Long Deg	<u> </u>	Long Min/	Sec x	
st knowledge and belief	Tax Parcel No			Δ		
Goble						
	Cased or Uncas	ed Diameter	8"	Static Lev	el 10	
3131						
	Work/Decomm	ision Start Dat	ie <u> </u>	11/16		
	Work/Decomm	ision End Dat	e <u> 8/1</u>	1/16		
				/		
Well	Data 103-1	6-8228	]	Formation Desc	cription	
Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill Material Total Hole Depth	16' 10/20 Ja 2"× 15 010 PVC 3te 18 × 2' 17 × 16' *7	FT Snd FT Vac Jan FO	o 7 Fr. Gan	re to Mia	FT black	
	DN Notice	DN Notice       Property Owner         Site Address       City         IZO       Location         accept responsibility for       Lat/Long (s,t,r         still construction standards       still Required)         st knowledge and belief       Tax Parcel No.         Soble       Cased or Uncass         Cased or Uncass       Work/Decomm         Work/Decomm       Work/Decomm         Work/Decomm       Work/Decomm         Well Data       103-1         Concrete Surface Seal $1\frac{12}{2}$ Blank Casing (dia x dep) $2\frac{7}{2}$ Material $\frac{102}{2}$ Gravel Pack $16^{\circ}$ Material $\frac{102}{2}$ Screen (dia x dep) $2\frac{7}{2}$ Slot Size $010^{\circ}$ Well Depth $\frac{21}{2}$ Material $\frac{102}{2}$ Material $\frac{102}{2}$ Screen (dia x dep) $2\frac{7}{2}$ Slot Size $010^{\circ}$ Material $\frac{2}{2}$ Material $\frac{7}{2}$ Material $\frac{2}{2}$ Material $\frac{2}{2}$ Material <t< td=""><td>DN Notice       Property Owner         Site Address      </td><td>Type of Well Type of Well Type of Well Type of Well Type of Well Type of Well City Everett Co City Everett Co Location 1/4 NE 1/4 NW Sec Location 1/4 NE NW Sec Location 1/4 NE 1/4 NW Sec Location 1/4 NE NW Sec Location 1/4 NE 1/4 NW Sec Location 1/4N NW Sec Location 1/4N NW Sec Location 1/4</td><td>Type of Well Type of Well Type of the Everett Site Address Property Owner Site Address 2900 Terminal A City Everett County S Accept reponsibility for Location 1/4 NE 1/4 NW sec 30 TWN 29N Accept reponsibility for Location 1/4 NE 1/4 NW sec 30 TWN 29N Accept reponsibility for Lat/Long (s,t,r Lat Deg x Long Min at knowledge and belief Tax Parcel No. 0 Cased or Uncased Diameter <math>g''</math> Static Lev 3131 Work/Decommision End Date <math>g'/1//1/b</math> Work/Decommision End Date <math>g'/1//1/b</math> Work/Decommision End Date <math>g'/1//1/b</math> Concrete Surface Seal <math>1/2'</math> FT Blank Casing (dia x dep) Material <math>1/2'</math> FT Depth Material <math>1/2'</math> FT Material <math>1/2'</math> FT Material <math>1/2'</math> FT Material <math>1/2'</math> FT Stot Size <math>0/10</math> Material <math>1/2'</math> FT Material <math>1/2'</math> Static Lev Well Depth <math>3/2' \times 1/5'</math> Stot Size <math>0/10</math> Material <math>1/2'</math> Static Lev Well Depth <math>3/2' \times 1/5'</math> Stot Size <math>0/10</math> Material <math>1/2'</math> Static Lev Well Depth <math>3/2' \times 1/5'</math> Stot Size <math>0/10</math> Material <math>1/2'</math> Static Lev Well Depth <math>3/2' \times 1/5'</math> Stot Size <math>0/10</math> Material <math>1/2' = 1/2' =</math></td><td>Type of Well <math>X</math> Resource Protection <math>C</math> Property Owner <math>C</math> Resource Protection <math>C</math> County <math>C</math> Such are the set of the s</td></t<>	DN Notice       Property Owner         Site Address	Type of Well Type of Well Type of Well Type of Well Type of Well Type of Well City Everett Co City Everett Co Location 1/4 NE 1/4 NW Sec Location 1/4 NE NW Sec Location 1/4 NE 1/4 NW Sec Location 1/4 NE NW Sec Location 1/4 NE 1/4 NW Sec Location 1/4N NW Sec Location 1/4N NW Sec Location 1/4	Type of Well Type of Well Type of the Everett Site Address Property Owner Site Address 2900 Terminal A City Everett County S Accept reponsibility for Location 1/4 NE 1/4 NW sec 30 TWN 29N Accept reponsibility for Location 1/4 NE 1/4 NW sec 30 TWN 29N Accept reponsibility for Lat/Long (s,t,r Lat Deg x Long Min at knowledge and belief Tax Parcel No. 0 Cased or Uncased Diameter $g''$ Static Lev 3131 Work/Decommision End Date $g'/1//1/b$ Work/Decommision End Date $g'/1//1/b$ Work/Decommision End Date $g'/1//1/b$ Concrete Surface Seal $1/2'$ FT Blank Casing (dia x dep) Material $1/2'$ FT Depth Material $1/2'$ FT Material $1/2'$ FT Material $1/2'$ FT Material $1/2'$ FT Stot Size $0/10$ Material $1/2'$ FT Material $1/2'$ Static Lev Well Depth $3/2' \times 1/5'$ Stot Size $0/10$ Material $1/2'$ Static Lev Well Depth $3/2' \times 1/5'$ Stot Size $0/10$ Material $1/2'$ Static Lev Well Depth $3/2' \times 1/5'$ Stot Size $0/10$ Material $1/2'$ Static Lev Well Depth $3/2' \times 1/5'$ Stot Size $0/10$ Material $1/2' = 1/2' =$	Type of Well $X$ Resource Protection $C$ Property Owner $C$ Resource Protection $C$ County $C$ Such are the set of the s

## **RESOURCE PROTECTION WELL REPORT**

(SUBMIT ONE WELL REPORT PER WELL	INSTALLED)		Notice	e of Intent No	,	RE13154
Construction/Decommission				Type of Wel	1	
X Construction				X Resource	Protection	
Decommission ORIGINAL INSTALLATIO	ON Notice			Geotechr	nical Soil Boring	g
of Intent Number		Property Owner	·		Port of Everet	
Consulting Figure 6 . R. (		Site Address			00 Terminal A	
Consulting Firm GeoEngineers		City	Everett	Co	ounty	Snohomish
Unique Ecology Well ID Tag NoBJy	-121	Location	1/4 <u>NE</u>	_1/4 _ <b>NW</b> Sec	30 TWN 29M	EWM R <u>5E</u> or WWM
WELL CONSTRUCTION CERTIFICATION: I constructed and/or	accept responsibility for	Lat/Long (s,t,r	Lat Deg	<u>x</u>	Lat Min/S	ec <u>x</u>
construction of this well, and its compliance with all Washington we	ell construction standards	still Required)	Long Deg	x	Long Min	/Sec x
Materials used and the information eported above are true to my be	-	Tax Parcel No.			0	
X         Trainee Name (Print)         James (	Joble	<u> </u>	1.51	8''		9'
Driller/Trainee Signature		Cased or Uncas	ed Diameter		Static Lev	el
Driller/Trainee License No.	3131	Work/Decomm	usion Start Da	te	8/4/16	
If trainee, licensed driller's				···	1 /	
Signature and License No.		Work/Decomm	nision End Dat	e 8/9	4/16	
					/	
Construction/Design	Well	Data 103-1	6-8228	T	Formation Des	cription
	Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill Material Total Hole Depth	2'x 5 Pvc 2: Med. Bent: Chips 16 1% Som 2'x 15 010 Pvc 20' 4' 1% oc 32: Mo 57e		<u>o la</u> F., B. f	Lo Ity Jund Sand f Sand f ic to Me ack Sand Jmail Timber	_ FT

CURRENT

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