

# Memorandum

То	Christa Colouzis, Washington State Department of Ecology Page 1
сс	Kathy Bahnick, Port of Seattle; Jalyn Buckley, Port of Seattle; Joanna Florer, Port of Seattle; Elizabeth Black, Port of Seattle; Paul Kalina, AECOM; Brian Knox, K&L Gates; Janet Knox, Mott MacDonald; Alla Skaskevych, Mott MacDonald; Susan McGroddy, Windward Environmental
Subject	T-91 Groundwater Monitoring Well Decommissioning
From	Jamalyn Green, AECOM Technical Services, Inc.
Date	March 14, 2025

### 1.0 INTRODUCTION

On behalf of the Port of Seattle (Port), AECOM Technical Services, Inc. (AECOM) has prepared this memorandum as a record of groundwater monitoring well decommissioning at Terminal 91 (T-91) (**Figure 1**). In accordance with the Washington State Department of Ecology's (Ecology's) approval memorandum dated October 11, 2024 (Ecology, 2024; Attachment A), 47 inactive groundwater monitoring wells were successfully decommissioned in December 2024.

### 2.0 BACKGROUND

T-91 is located at 2001 West Garfield Street, Seattle, Washington and includes approximately 216 acres (Figure 1). The tank farm affected area (TFAA) occupies approximately 17 acres in the central portion of T-91. The TFAA includes the Tank Farm Lease Parcel (TFLP), which is a contiguous parcel approximately four acres in size located immediately north of the Magnolia Bridge. The TFAA is flat and paved or covered with buildings.

The TFLP is located at the north end of the TFAA. The environmental history of the TFLP includes the bulk petroleum tank farm present from the 1920s through 2005, and the dangerous waste treatment and storage operations conducted from 1980 through 1995. The aboveground portion of the tank farm, including the tanks, containment walls, and other aboveground piping and equipment, was demolished and removed in 2005 as part of an interim remedial action (Roth Consulting 2005). The final cleanup was performed in 2013-2015 and is described further in the construction completion report (PES 2017).

The geology, hydrogeology, and nature and extent of contamination are informed by investigations conducted at T-91 since 1988. The results of these investigations are detailed in the Remedial Investigation Summary Report (Roth Consulting 2007) and Final Cleanup Action Plan (Ecology 2010).

### 3.0 DECOMMISSIONED WELLS

In December 2023, the Port and AECOM visited T-91 to take inventory of the terminal's wells. During this visit, 47 inactive monitoring wells were identified and assessed. 40 wells had corresponding Ecology well logs and were approved for chip-in-place decommissioning (Ecology 2024a). Ecology well logs are provided in Attachment B, and decommissioning methods and notes for consultant well IDs and corresponding Ecology well IDs (e.g., tag numbers) are presented in Table 1. Three wells without Ecology

well logs were decommissioned via overdrilling. Ecology approved a variance to decommission the remaining four wells without Ecology well logs via chip-in-place due to access restrictions (Ecology, 2024b; Attachment C). Monitoring well SHFLL-W7C was not decommissioned during this event because we were unable to locate it after removing brush in that area. The location was not further investigated due to the steep slope and limited working space.

### 3.1 *Chip-in-Place*

For chip-in-place decommissioning, AECOM recommended filling the casing with bentonite chips per WAC 173-160-460(2)(a). AECOM used this method for decommissioning 44 of the 47 wells. Well monuments were removed and the top 18 inches of void space were backfilled with concrete per Port requirements.

### 3.2 *Overdrilling*

For decommissioning by overdrilling, AECOM recommended removing the casing per WAC 173-160-460(1)(a) or (b). AECOM used this method to decommission three wells (SHFLL-W3, SHFLL-W4, and SHFLL-W5). Well monuments were removed and the top 18 inches of void space were backfilled with concrete per Port requirements.

### 4.0 REFERENCES

AECOM, 2024. T-91 Well Decommissioning Request. August 20, 2024.

AGI Technologies, 1996. Summary Report, Underground Storage Tank Assessment, Port of Seattle Terminal 91. July 30, 1996.

Aspect Consulting, 2012. Summary Report for Additional Assessment Activities, Pier 91, Terminal 91 – Seattle, Washington. August 22, 2012.

Hart-Crowser, 1988. Data Report, Monitoring Well Installation and Physical Characterization of Berm-Fill Material, Terminal 91 Port of Seattle, Washington. October 1988.

Kennedy/Jenks Consultants, 2011. Investigation Summary Report, Piers 90 and 91, November 17, 2011.

Landau Associates, 2016. Closure Report, Former Incinerator, Underground Storage Tank Area, Terminal 91 Discrete Unit B.38, Seattle, Washington. March 16, 2016.

PES et al. 2017. Construction Report, Terminal 91 Tank Farm Affected Area Cleanup Action, Seattle, Washington. October 2017.

Pinnacle Geosciences, 2011. Summary Report, Soil and Ground Water Assessment, West-Central Building 136 Area and Locomotive Fueling Area Investigation, Port of Seattle Terminal 91. December 28, 2011.

Roth Consulting. 2005. Independent Interim Remedial Action Report Terminal 91 Tank Farm Demolition 2005. October 18.

Roth Consulting. 2007. Remedial Investigation Summary Report for the Terminal 91 Tank Farm Site in Seattle, Washington. Prepared for Port of Seattle. August 2007.

Washington Department of Ecology [Ecology]. 2010. Final Cleanup Action Plan, Port of Seattle Terminal 91 Site, Seattle, Washington. December 15.

Washington State Department of Ecology [Ecology]. 2024. RE: Well Variance Request – Terminal 91 Port of Seattle. July 25.

### Table

Table 1 Summary of Decommissioned Wells

### Figures

- Figure 1 Project Area Vicinity Map
- Figure 2 Terminal 91 North End Wells Decommissioned
- Figure 3 Terminal 91 South End Wells Decommissioned

### Attachments

- Attachment A Well Decommissioning Approval Letter from Ecology dated August 20, 2024
- Attachment B Well Logs
- Attachment C Variance Request Approval Letter from Ecology dated July 26, 2024

Table

Table 1 - Summary of Decommissioned Wells				
Consultant Well ID	ECY Well ID	Method	Notes	
UT_MW152-1		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-2		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-3		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-4		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-5		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-6		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
UT_MW152-7		Chip-In-Place	No Ecology well ID was identified during decommissioning or listed on the Ecology well log.	
B.22-MW-01-SB-03	BHE956	Chip-In-Place		
B.30-MW-01	BHE955	Chip-In-Place		
B.33-MW-01	BHE952	Chip-In-Place		
B.33-MW-02	BHE953	Chip-In-Place		
B.33-MW-03	BHE954	Chip-In-Place		
B.34-MW-01	BHE951	Chip-In-Place		
MW-B57	BCM882	Chip-In-Place		
MW-B57A	BHS 318	Chip-In-Place		
MW-B64	BCM884	Chip-In-Place		
MW-B67	BCM885	Chip-In-Place		
MW-B68	BCM886	Chip-In-Place		
MW-B69	BCM887	Chip-In-Place		

Table 1 - Summary of Decommissioned Wells				
Consultant Well ID	ECY Well ID	Method	Notes	
MW-B70	BCM888	Chip-In-Place		
MW-B72	BCM889	Chip-In-Place		
MW-B75	BCM890	Chip-In-Place		
MW-B78	BCM891	Chip-In-Place		
P91_MW01	BHB012	Chip-In-Place		
P91_MW02	BHB014	Chip-In-Place		
P91_MW03	BHB013	Chip-In-Place		
P91_MW04	BHB018	Chip-In-Place		
P91_MW05	BHB015	Chip-In-Place		
P91_MW06	BHB016	Chip-In-Place		
P91_MW07	BHB017	Chip-In-Place	Ecology well ID was identified as BHB-017 in the field, but the Ecology well log is missing from the Ecology database. All of the other Ecology well logs from the 2011 Kennedy/Jenks investigation were included in the Ecology database.	
P91_MW08	BHB019	Chip-In-Place		
P91_MW09	BHA205	Chip-In-Place		
P91_MW10	BHA206	Chip-In-Place		
P91_MW11	BHA207	Chip-In-Place		
P91_MW12	BHA208	Chip-In-Place		
P91_MW13	BHA209	Chip-In-Place		
DUB38-3	BID-905	Chip-In-Place		
DUB38-4	BID-903	Chip-In-Place		

	Table 1 - Summary of Decommissioned Wells			
Consultant Well ID	ECY Well ID	Method	Notes	
DUB38-5	BID-906	Chip-In-Place		
DUB38-6	BID-904	Chip-In-Place		
SHFLL_W2		Over-drill		
SHFLL_W3		Over-drill		
SHFLL_W4A		Chip-In-Place <sup>1</sup>		
SHFLL_W4B		Chip-In-Place <sup>1</sup>		
SHFLL_W4C		Over-drill		
SHFLL_W7A		Chip-In-Place <sup>1</sup>		
SHFLL_W7B		Chip-In-Place <sup>1</sup>		
SHFLL_W7C		Not applicable	Monitoring well was assumed to be located behind a locked fence during site reconnaissance, but the well was not observed during the decommissioning field work following brush removal. Did not investigate further due to steep slope.	

Notes:

ECY = Washington State Department of Ecology

1. Well variance request approved by the Washington State Department of Ecology's Water Resources Program letter dated July 26, 2024.

Figures



**Port of Seattle** *Terminal 91* SEATTLE, WASHINGTON **FIGURE 1** Project Area Vicinity Map



### AECOM

#### Port of Seattle

*Terminal 91* SEATTLE, WASHINGTON

# **FIGURE 2**

Terminal 91 North End Wells Decommissioned

February 2025



### AECOM

#### Port of Seattle

*Terminal 91* SEATTLE, WASHINGTON

# **FIGURE 3**

Terminal 91 South End Wells Decommissioned February 2025 Attachments

Attachment A – Well Decommissioning Approval Letter from Ecology dated August 20, 2024



### STATE OF WASHINGTON DEPARTMENT OF ECOLOGY Northwest Region Office

PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

October 11, 2024

Joanna Florer Port of Seattle, Pier 69 2711 Alaskan Way Email: <u>florer.j@portseattle.org</u>

RE: August 20, 2024, GW well decommissioning memo prepared by AECOM Technical Services.

Dear Joanna:

Ecology reviewed the Port's proposal to decommission 48 groundwater monitoring wells on the Terminal 91 property.

Your plan to decommission these 48 wells by the methods indicated in the memo prepared by AECOM Technical Services is approved.

Sincerely,

Christa Colouzis, PE Acting Section Manager, NWRO HWTR Washington State Department of Ecology

Ecc: Kathy Bahnick, <u>bahnick.k@portseattle.org</u> Jamalyn Green, <u>Jamalyn.green@aecom.com</u> Attachment B – Well Logs

	Resource Protec	tion Well Report	MAY 201996
Project Name Pier 91 ( Sest	7/2)	Date <u>5-7-96</u>	
Well Identification # mw-1; mw-2	: Inw-3: mart	County <u>kin</u> g	_, <u>_Sev 1</u> 4 <u>_SE</u> 1
Drilling Method 4" HSA		Section <u>23</u> T. 2	<u>SN R. 3E</u>
Driller John Bennett		Start Card	R 18234
License #2200		Consulting Firm AGI	
Depth of Soil Log Components in Feet		Stick up <i>Flosh</i>	on Monument Casin
rock 3'		Type of Surface Seal <u>Rendra</u> Amount <u>3</u>	wite chips deene
k stay seto send		─ ID of Riser Pipe 2" Type of Riser Pipe Scledu Amount 5' Type of Connection Flux.	6 Thread
		Type of Backfill around Riser_ Amount2	<u>10-20 5.124 541</u>
	_/	Diameter of Borehole <u>?"</u>	
		- Screen Size or Type <u>7-'2"</u>	.20 slot 2"
	<u>_/2.'</u> =	Type of Filter Material <u>10-20</u> Amount <u>2-0</u>	Silice Sand
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Remarks:		<u> </u>	
			<u>.</u>
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Project Name <u>Pier 91 (Seattle)</u>	Date	- 1-96
Well Identification # mw-1; mw-2; mw-	<u>3: inc4</u> County <u>Kt</u>	<u>17</u> , <u>Si 14</u> , <u>Si</u> 14
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Driller_John_Isennett	Start Card	$\rightarrow = $
License #2 200	Consulting Fir	m
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	Type of Backf	ill around Riser <u>אוליב לאין</u> Amount 2
	Diameter of E	orehole <u>9"</u>
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	Type of Filter	Material 10-20 Silice Sand
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Sund	- Lł	•
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License #	Depth of Components in Feet		Consulting FirmACA	on Monument Casing
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seto			ID of Riser Pipe <u>2</u> Type of Riser Pipe <u>Scdae</u> Amount <u>5</u> Type of Connection <u>Flos</u> Type of Backfill around Rise Amount <u>2</u>	1016 40 DUC 1 1 1 1 1 1 1 10-20 Silice Sun
			Diameter of Borehole <u>9"</u> Screen Size or Type <u>7-6</u>	1.20 slot 2"
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Drilling Method 4" LISA		Section <u>23</u> T. <u>2</u>	<u>SN R. 3E</u>
Driller John Benniett		Start Card	R 18234
License #2 2 <i>00</i>		Consulting FirmAC	
Depth of Soil Log Component in Feet	s	Stick up_ <u>Flosh</u>	on Monument Casin
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Remarks:		<u> </u>	



UT\_MW152-5

# HOLT DRILLING, INC. 25/3/23 Q

**Resource Protection Well Report** 

Project NamePre	r 91	· · ·	Date 10-15-96	
Well Identification # A	11v-152-5- Mar-	152-6	County_King	, <u>541 14 SE 1</u> 4
Drilling Method 4'	1454	· · ··	Section 23 T. 257	V_R_3E
DrillerJohn	Benno #	····	Start Card R27830	
License # <u> </u>	>		Consulting FirmA & T	
Soil Log	Depth of Components in Feet		Stick up <u>Flush</u>	_on Monument Casing
Ashon II 4' Base crushel I'	, 3/		Type of Surface Seal <u> ਨਿਵਾਰਦਿਆਨ</u> Amoun <u>t 3</u> 1	te chips t concrete
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Swingray14'			Type of Connection Flored	i
Der Scartig			Type of Backfill around Riser <u>70</u> Amount <u>7</u>	- 21) Siliza Sand
	14'		Screen Size or Type <u>-Ske. k. l.</u>	40 AVC . 20 Stot
	<u> </u>		Type of Filter Material <u>70 - 2 0</u> Amount <u>73 '</u>	Silica Sund
Remarks:		RE	CEIVED	ı 
		NC	<u>DV 13 1996</u>	
		DEPT.	OF ECOLOGY	· .
			Signature AM Band	*



UT\_MW152-6

# HOLT DRILLING, INC. 25/3/23 Q

**Resource Protection Well Report** 

Project Name <i>PierQ1</i>		Date 10-15-96
Well Identification # <u>Mtu-152-5</u>	M61-152-6	County King , 541 14 SE 14
Drilling Method 4" +/ c4		Section 23 T. 251 R. 34
Drillerlohn Bennot		Start Card <u>27830</u>
License # <u>つこびた</u>		Consulting Firm & & Z
Depth of Soil Log Components in Feet	0	Stick up <u>Flosh</u> on Monument Casing
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s dity said		ID of Riser Pipe 2" Type of Riser Pipe <u>Colorby to 40 PUC</u>
Shipgray 141		Type of Connection Eliza
Der Scartig		Type of Backfill around Riser <u>ノロー 2/1 らりたてな らくい</u> Amount <u>/</u> Diameter of Borehole <u>タ</u> "
		Screen Size or Type <u>Ske Jule 40 PVC , 20 stort</u>
		Type of Filter Material <u>10-20 Silice Semi-</u> Amount <u>13</u>
Remarks:	RE	CEIVED
	NC	IV 13 1996
	DEPT.	OF ECOLOGY
		Signature AM Bunt



License # <u>ス200</u>

Soil Log

---- 15'

Project Name Piec 91

Well Identification # mi.J-152-7 Drilling Method 4" HSA

Depth of

Components in Feet

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 $\mathcal{C}'$ 

5'

151

Driller John Bennett



# HOLT DRILLING, INC.

**Resource Protection Well Report** 

25/3/23 Q Date\_\_/<u>A-/5-96</u>\_\_\_\_ County king , 561 1/4 5E 1/4 Section <u>2.3</u> T. <u>2.5</u> M R. <u>3</u> Start Card 12 2 78 3 0 Consulting Firm <u>AGZ</u> \_\_\_\_\_ Stick up\_\_\_\_\_on Monument Casing

Type of Surface Seal Readounts	Chins Jeancrate
Amount?	

-	ID of Riser Pipe_2 "
	Type of Riser Pipe <u>schaduck</u> 48 pwc
	Amount_5 <sup>1</sup>
	Type of Connection_Flored

Type of Backfill around Riser 10-20 SULTS Sand Amount <u>2 / \_\_\_\_\_</u>

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Diameter of Borehole\_ ?"

Screen Size or Type Scholule MO DUC 205/100

Type of Filter Material 10-20 Sulles Sand Amount\_\_\_\_\_/

Remarks:\_\_ 1 \_\_\_\_\_\_RECEIVED • DEPT. OF ECOLOGY Signature

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RESOURCE PROTECT	( ION WELL R	EPORT	CUR Notice	RENT of Intent No.	RE07	7205
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of Intent Number		Property Owner	r	Por	t of Seattle	
		Site Address	0	2001	Garfield St	
Consulting Firm Aspect		City	Seattle	County	King	EWM
Unique Ecology Well ID Tag No. <u>BHI</u>	E 956	Location	1/4 <b>NW</b>	1/4 NE Sec 26	TWN 25N Range	3E or WWM
WELL CONSTRUCTION CERTIFICATION: 1 constructed and	for accept responsibility for	Lat/Long (s,t,r	Lat Deg	x	Lat Min/Sec	
construction of this well, and its compliance with all Washington	well construction standards	still Required)	Long Deg	<u>x</u>	Long Min/Sec	<u> </u>
Materials used and the information reported above are true to my	best knowledge and belief	Tax Parcel No.				
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Consulting Firm Aspect		City	Seattle	County	King	E11/0.4
Unique Ecology Well ID Tag No BHI	<u>E_955</u> _	Location	1/4 <u>NW</u> 1	/4 <u>NE</u> Sec <u>26</u>	TWN 25N Range	3E or WWM
WELL CONSTRUCTION CERTIFICATION: 1 constructed and	for accept responsibility for	Lat/Long (s,t,r	Lat Deg	x	Lat Min/Sec	<u> </u>
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oracenals used and the information reported above are true to my	best knowledge and belief	Tax Parcel No.				
X Driller         Trainee Name (Print)         Kasey           Driller/Trainee Signature	Goble	Cased or Uncased	d Diameter	2"	_Static Level	10'
Driller/Trainee License No.	2501	Work/Decommisic	on Start Date		21/20/12	
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		Work/Decommisic	on End Date	<u>(</u>	1 20 MZ	
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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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<b>RESOURCE PROTECT</b>	YON WELL R	EPORT	CUB	DENT		
(SUBMIT ONE WELL REPORT PER WEL	LL INSTALLED)		Notice	e of Intent No.	RE0	7205
Construction/Decommission				Type of Well		
X Construction				X Resource Pro	tection	
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Consulting Firm Aspect		City	Seattle	2001	Garfield St	
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WELL CONSTRUCTION CERTIFICATION: Leonstructed and	for accept responsibility for	Lat/Long (s.t.r	Lat Deg	x	Lat Min/Sec	wwm x
construction of this well, and its compliance with all Washington	well construction standards	still Required)	Long Deg	<u>x</u>	Long Min/Sec	x
Materials used and the information reported above are true to my	best knowledge and helief	Tax Percel Me				
X Driller Trainee Name (Print) Kasey	Goble	Tax Farcer No.				
Driller/Traince Signature	<u> </u>	Cased or Uncased	Diameter	_ <u>"</u>	Static Level	101
Driller/Trainee License No.	2501	Work/Decommisio	n Start Date	(a	ladiz.	
If trainee, licensed driller's				·	<u>, 120, 10</u>	
Signature and License No.		Work/Decommisio	n End Date	<u> </u>	120/12	<u> </u>
Construction/Design	Well	Data W12	2-363	Formatio	on Description	
	Concrete Surface Seal	2	17(D)		<u> </u>	FT
		<b>X</b>	FT	File G	RAVEL	
	Blank Casing (dia x dep)	<u>_3/4 × 5</u>				
	Material	_PVC				
	Backfill	<u></u> }	FT			
	Туре		. <u> </u>		15-	
	Seal	BENTON	ĨE	03.	<u></u>	FT
	Material	CHIPS		GREY S	inno wijar	Aver
	Gravel Pack	1)	FT			
	Material	2/12 SAND	<u>)</u>			
		. 4		0		FT
	Screen (dia x dep)	3/4"×10	>'			
	Slot Size	010				
	Material	PUC PRE-P	<u>ac</u> K		RECEIV	ED
	Well Depth	15	FT			010
	Backfill				JUL 272	U12
	Material	·	_	ũ	EPT OF EC	
	Total Hole Depth	15	FT		MANCO - I	
Scale i" -				_		
.ocare i —	P	age	กา		2/22/ 060 10 /D	A.V

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Construction/Decommission	WELL INSTALLED)	KEPUKI	CURRENT Notice of Intent No. Type of Well	RE07205
X Construction Decommission ORIGINAL INSTAL of Intent Number	LATION Notice	Property Owner Site Address	X Resource Pr Geotechnica P 200	otection I Soil Boring ort of Seattle )1 Garfield St
Consulting Firm Aspect		City Sea	Count	King
Unique Ecology Well ID Tag No. <u>B</u> H WELL CONSTRUCTION CERTIFICATION: teonstructe construction of this well, and its compliance with all Washi Materials used and the information reported above are true:	HE 953 d and/or accept responsibility for ngton well construction standards to my best knowledge and belief	Location 1/4 Lat/Long (s.t.r Lat I still Required) Long	NW         1/4         NE         Sec         2           Deg         x	6 TWN 25N Range 3E Lat Min/Sec x Long Min/Sec x
X Driller Traince Name (Print) Ka Driller/Traince Signature Driller/Traince License No.	sey Goble	Tax Parcel No. Cased or Uncased Dian Work/Decommision Star	neter" 1 Date	
If trainee, licensed driller's		Work/Decommision End	Daie (	20/12
	Concrete Surface Sea Depth Blank Casing (dia x dep Material	) <u>3/4 × 5-'</u> PVC	FT File	<u> </u>
	Backfill Type Seal	BENJTONITE	FT <u>05</u>	<u>15</u> FT Simo w/GRAVEL
	Material	<u> </u>		
	Material Gravel Pack Material Screen (dia x dep)	<u></u>	FT	FT
	Material Gravel Pack Material Screen (dia x dep) Slot Size Material	<u>CHIPS</u> <u>H</u> <u>3/4"× 10"</u> <u>3/4"× 10"</u> <u>010</u> <u>PVC PRE-PACE</u>	FT	FT RECEIVER
	Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill	<u>CHIPS</u> <u>II</u> <u>3/4"× 10"</u> <u>3/4"× 10"</u> <u>010</u> <u>PVC PRE-PACE</u> <u>15</u>	FT	FT RECEIVER 101 27 2012

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SUBMIT ONE WELL REPORT PER V Construction/Decommission	CTION WELL R VELL INSTALLED)	EPORT	CUR Notice	RENT of Intent No Type of Well	RE07205
Construction Decommission ORIGINAL INSTAL of Intent Number	ATION Notice	Property Owner Site Address	r	X Resource Protection Geotechnical Soil Port of	on Boring Seattle
Consulting Firm Aspect		City	Seattle	County	King
Unique Ecology Well ID Fag No. BE TELL CONSTRUCTION CERTIFICATION: Leonstructed instruction of this well, and its compliance with all Washin laterials used and the information reported above are true t	E 954 land/or accept responsibility for ngton well construction standards o my best knowledge and belief	Location Lau/Long (s.t.r still Required)	1/4 NW Lat Deg Long Deg	1/4 <u>NE</u> Sec <u>26</u> TW, <u>x</u> Lat <u>x</u> Lor	$\frac{25N}{Min/Sec} = \frac{3E}{x}$
Driller Trainee Name (Print) Ka Driller/Trainee Signature	sey Goble	Tax Parcel No. Cased or Uncased Work/Decommisio	I Diameter	<u>}"</u> Stat	ic Level 10 <sup>1</sup>
irginee, licensed driller's		Work/Decommisic	on End Date	c/z	ofin
	Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type	2  	FT	0 E	S FT
	Seal Material Gravel Pack Material	BOUTON CHIPS 11 2/12 SANG	<u>175</u> FT 2	GREY SAM	 టు ట / GRAGEL FT
	Sereen (dia x dep) Slot Size Material Well Dandy	3/4" × 10 010 PUC PRE-F	<u>)</u>  <u>P</u> <u>a</u> c⊬ FT		RECEIVED
	wen Depti				111 2 7 2012

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	E	3.34-MW-01				
454	,474					
<b>RESOURCE PROTECT</b>	ION WELL R	EPORT	CUR	RENT		
(SUBMIT ONE WELL REPORT PER WEL	L INSTALLED)		Notice	of Intent No.		.05
X Construction				Type of Well		
Decompission ORIGINAL INSTALLAT	ION Notice			X Resource Protect	ction	
of Intent Number	ion nonce	Property Owner	ŗ	Port (	of Seattle	
		Site Address		2001 0	Garfield St	
Consulting Firm Aspect		City	Seattle	County	King	
Unique Ecology Well 1D Tag NoBHE	<u>= 951</u>	Location	1/4 <u>NW</u>	1/4 NE See 26 T	WN 25N Range	3E or WWM
WELL CONSTRUCTION CERTIFICATION: 1 constructed and/	or accept responsibility for	Lat/Long (s.t,r	Lat Deg	I	.at Min/Sec	x
construction of this well, and its compliance with all Washington	well construction standards	still Required)	Long Deg	<u> </u>	Long Min/Sec	x
Materials used and the information reported above are true to my l	est knowledge and belief	Tax Parcel No.				
X Driller         Trainee Name (Print)         Kasey           Driller/Trainee Signature         72	Goble	Cased or Uncased	Diameter	<b>2"</b> s	tatic Level	oʻ
Driller/Trainee License No.	2501	Work/Decommisio	on Start Date	<u> </u> (q)	20/12	
If trainee, licensed driller's					a. I.	
Signature and License No.		Work/Decommisio	n End Date	<u>6</u> [_	20/12	
Construction/Design	Well	Data W1	2-363	Formation	Description	
	Concrete Surface Seaj Depth Blank Casing (dia x dep)	<u>,2</u>	FT	0 Fill Gr	5 I	T
	Material Backfill Type , Scal Material	РУС  	FT	0 5 - 1 GREY SA	<u>5</u> యా ట/ GRA	rT ₩L
	Gravel Pack Material Screen (dia x dep)	3/4"× 10	FF 2	_0 _	I	FT
	Slot Siza	010				
	Material	PVC PRE-P	hack		RECEIVE	ED
	Well Depth	15	FT		JIE 27 201	2
	Backfill			DE		067
	Material				NWRO - WP	₹
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Total Hole Depth	15_	FT			
Scale i " =	1	Page	of			: 2/01)

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-	M	W-B57			25-3E-26
<b>RESOURCE</b> PR	<b>OTECTION WELL</b>	REPORT	CUR	RENT	
(SUBMIT ONE WELL RÉPC	RT PER WELL INSTALLED)		Notice	e of Intent No	<u>RE05321</u>
Construction/Decommissio	n a lata			Type of Well	
X Construction	404050			X Resource Protect	ion
Decommission ORIGINA	UNSTALL ATION Notice			Geotechnical Soi	Boring
of Intent Nur	whar	Property Owne	r	Port of S	eattle
. Of Intent Wat		_ Site Address	·	W. Garfield & 16	th Ave. W
Conculting Firm	Binnacla CaoSciances	City	Seattle	County	King
	Timilatit Geosciances		Beathe		EWM
Unique Ecology Well ID	<i>^</i>	Location	1/4 <b>NW</b>	1/4 NE Sec 26 Tw	n 25N R 03E or
Tag No.	BCM 882			- <u></u> -	WWM
WELL CONSTRUCTION CERTIFICATIO	N: 1 constructed and/or accept responsibility for	 Lat/Long (s,t,r	Lat Deg	x La	t Min/Secx
construction of this well, and its compliance	with all Washington well construction standards	still Required)	Long Deg	Lo	ng Min/Sec x
Materials used and the information reported	above are true to my best knowledge and belief				
		Tax Parcel No.		- <u></u>	
X Driller Trainee Name (Prin	t) Kasey Goble	_		at l	
Driller/Trainee Signature		Cased or Uncase	d Diameter	34	Static Level <b>′</b>
Driller/Trainee License No.	2501	_			
		Work/Decommiss	sion <u>Start</u> Date	0	1/03/11
If trainee, licensed driller's		-			1 -1
Signature and License No.		Work/Decommiss	tion <u>End</u> Date		<u> 5[11</u>
Construction/Desig		- W11-004		Formatio	n Description
Consultation/Desig	······································				
					<b>`</b>
	Concrete Surface Sea	al <b>7</b>		0 -	<u>5                                    </u>
	Depth		FT		
	Blook Cosing (dia y de	» ", u	յւ		-
	Material	PVC			
	Backfill	<u>i</u>	FT		
	Type				
				03-9	FT
	Seal	BENTOW	ю <u> </u>		
	Material	64185		UREY STU	y Saws
	Gravel Pack	6	FT		
	Material	21, 6			
			<u>aun</u>		
				09-1	7 FT
		. 11			
	Screen (dia x dep)	1: *5		GREY C	
	Slot Size	10		ł	
		Q1- 10			
	Material	WC PREP	<u>HK</u>		CEILS
	Well Depth	9	FT	1 /2	NI VEN
					۲ <b>۰</b> ۲
	Backfill				
	Moterial	N 1 AT. 10		<b>\</b> § H	R 05 7011 3
	IMaterial	U			\$/
X <i>////////////////////////////////////</i>	Total Hole Depth	\	FT	\** Ax	
					OURCE /

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RESOURCE PROTECT	TION WELL R	EPORT	CUR Notice	RENT of Intent No.	REO	7579
Construction/Decommission			110000	Type of Well		
X Construction			i	X Resource P	Protection	
Decommission ORIGINAL INSTALLAT	TION Notice			Geotechnic	al Soil Boring	
of Intent Number		Property Owner	' <u> </u>	P	ort of Seattle	
		Site Address		2001	W Garfield St	
Consulting Firm Landau		City	Seattle	Coun	ity King	1234/154
Unique Ecology Well ID Tag No. BHS 318	2	Location	1/4 <b>NW</b>	1/4 <u>NE</u> Sec	26 25N 25N R	3E or WWM
WELL CONSTRUCTION CERTIFICATION: 1 constructed and	Vor accept responsibility for	Lat/Long (s,t,r	Lat Deg	<u>x</u>	Lat Min/Sec	
construction of this well, and its compliance with all Washington	n well construction standards	still Required)	Long Deg	<u>x</u>	Long Min/Sec	
Materials used and the information reported above are true to my	y best knowledge and belief	Tax Parcel No.				
Driller/Trainee Signature	Floyd_	Cased or Uncased	f Diameter	<u> </u>	Static Level	<u>7'</u>
Driller/Trainee License No.	2842	Work/Decommisio	on Start Date	9-	24-2012	
If trainee, licensed driller's Signature and License No		Work/Decommisio	on End Date	9-2	24-2012	
Construction/Design	Wel	l Data W1	2-592	Form	nation Description	
	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' J" x 5' PUC N/A N/A 1' Bertonite o 7' 2/12 Sau 1" x 5' 010 PUC Poc Re 10' N/A N/A N/A 10'	FT FT FT FT FT FT	0 Silts, Med ge Brown, Dry 0 Sards, 6 Wet, 1 loose,	- 7' Sands 30%, muels, ligh Compact, SO%, silts Der K brown JAN 07 2 DEPT - K ECC NWRO-V	FT FT VEC VICTORY VR
Scale 1" ≈		Page	of	L	ECY 050-12	(Rec=v 2/01)

SUBMIT ONE WELL REPORT PE	R WELL INSTALLED)		nonce o		
Sonstruction/Decommission	414152		1	Type of Well	
Construction				X Resource Prote	ction
Decommission ORIGINAL INSTA	LLATION Notice			Geotechnical S	oil Boring
of Intent Number		Property Owner		Port of	Seattle
		Site Address		W. Garfield & 1	16th Ave. W
Consulting Firm Pin	nacle GeoSciences	City	Seattle	County _	King
inique Écolomy Well ID		Location	4 <b>NW</b> 1	/4 NE Sec 26	Two 25N R 03E or
Fag No.	M 884	Location			w
ELL CONSTRUCTION CERTIFICATION: 1 constr	ucted and/or accept responsibility for	Lat/Long (s,t,r L	.at Deg	x	Lat Min/Secx
instruction of this well, and its compliance with all W	ashington well construction standards	still Required)	.ong Deg	x	Long Min/Secx
laterials used and the information reported above are	true to my best knowledge and belief				
<b>-</b>		Tax Parcel No.			
Driller Trainee Name (Print)	Kasey Goble			21/1	Ctertin Lanual
Driller/Traince Signature	THE	Cased or Uncased I	Jiameter _		Static Level
Driller/Traince License No.	2501		Start Date		01/03/11
f trainee Ticensed driller's					
Signature and License No			n End Date		1/5111
					-1 [ 1
Construction/Design	<u> </u>	W11-004	<u> </u>	Format	ion Description
	Concrete Surface S	eal		0 -	3 FT
	Depth	2	FT		
				1 1	
	Blank Casing (dia x d	(lep) <u> </u>			
	Material	YVC			
	Backfill	1	FT		
	Туре			2 -	
		_		<u> </u>	<u> </u>
	Seal	BENTONITE	<u> </u>	GREV SI	LTY SAMO
	Material	LHITS			
	Gravel Pack	6	FT		
	Material	2/12 SANC	<u>,</u>		
		•		. 4	2 FT
					<u> </u>
	Screen (dia x dep)	1"×5'		GREY (	LLAY
	Slot Size		-		-
	SIOL SIZC		— I		
	Material	PVC PRE PAG	<		
	W/all Dand	а	FT		
			—''	DEL	
	Backfill				<i>\$</i> 3
	Material	NATINE	-	S FFR	
V/////////////////////////////////////				A THE	···? 2011
<u> </u>		1 2		کھر ا	

<b>RESOURCE PROTEC</b>	CTION WEL⊮	W-B67	CURR	ENT	25-35-26!
SUBMIT ONE WELL REPORT PER	WELL INSTALLED)		Notice of	f Intent No.	RE05321
Construction/Decommission	(10.10		Т	ype of Well	
Construction	404055			Resource Protect	tion
Decommission ORIGINAL INSTAL	LATION Notice		Ē	Geotechnical So	il Boring
of Intent Number		Property Owner		Port of S	Seattle
·		Site Address		W. Garfield & 10	ith Ave. W
Consulting Firm Pinna	cle GeoSciences	City	Seattle	County	King
		Y		ND - 37 -	25N - 02E
$\frac{1}{2} \sum_{n=1}^{\infty} \frac{1}{n} \sum_{n=1}^{\infty} \frac{1}$	885	Location	1/4 <u>IN W</u> 1/4	4 <u>INE</u> Sec <u>20</u> Tv	M <u>251N R USE</u> or WWM
FLL CONSTRUCTION CERTIFICATION:   construct	ed and/or accept responsibility for	– Lat/Long (s.t.r	Lat Deg	x L	at Min/Sec x
ustruction of this well, and its compliance with all Wash	ington well construction standards	still Required)	Long Deg	X L	ong Min/Secx
aterials used and the information reported above are true	to my best knowledge and belief				
i		Tax Parcel No. 3			
Driller Trainee Name (Print)	Kasey Goble			31/11	success of
riller/Trainee Signature	14	Cased or <u>Uncased</u>	Diameter		Static Level 6
riller/Trainee License No.	2501		n Start Date		)1/03/11
trainee, licensed driller's			. <u></u>		
ignature and License No.			n <u>End</u> Date	I	15111
		3			
Construction/Design		W11-004		- Formatic	n Description
	Concrete Surface Se	al 🔒		0	5 FT
	Depth	2	<sup>FT</sup>	FIL	
	Blank Casing (dia x de	b) 1"×4"			-
	Material	<u>אור</u> אור	-		
	Backfill	<u> </u>	<sup>r</sup> 1		
	Туре			039	FT
	Seal	BENTOWIT	- I		
	Material	(#175		GREY SIL	ry Samo
	iviates na				
		6	FT		
		7/2 60.00			
		LIC SANK	<u></u>		
				0 9 - 12	тя <u>с</u>
	Soroon (din x den)	N' e el		GREY CI	LAY
	Screen (una x dep)		<u> </u>		1
	Slot Size	10			
	Material	PUC PRE PAC	K_		
		a	ET	10	CEID
₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	Well Depth	7	F I	$\langle \mathcal{E}_{\lambda}$	
	Backfill		1	1	Ξ I
<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	Material	NATIVE	-	( 🗲 FE	B 02 2011
		 1 2		13	<u> </u>
V/////////////	Total Hole Depth	15	F I		51

RESOURCE PROTEC		W-B68	CURF	RENT of Intent No.	95-38- RE053	ЭЬВ 21
Construction/Decommission	404054		Notice	Type of Well		
Construction			Ĺ	X Resource Pro	tection	
Decommission ORIGINAL INSTALL	ATION Notice		L	Geotechnical	Soil Boring	
of Intent Number		- Property Owner		Port o	of Seattle	
De la deixa Pierre	0.0.	Site Address	<u> </u>	W. Garfield &	2 16th Ave. W	
Lonsulting Firm Pinnacl	e GeoSciences	_ City	Seattle	County	King	EWM
Jnique Ecology Well ID Tag No.	886	Location	1/4 <u>NW</u> :	/4 <u>NE</u> Sec <u>26</u>	Twn 25N R 03	3E or WWM
ELL CONSTRUCTION CERTIFICATION. 1 constructed	and/or accept responsibility for	Lat/Long (s,t,r	Lat Deg	x	Lat Min/Sec	<u>x</u>
nstruction of this well, and its compliance with all Washing	gion well construction standards	still Required)	Long Deg	x	Long Min/Sec	<u>x</u>
iterials used and the information reported above are true to	my best knowledge and belief					
i	Kagan Cabla	Tax Parcel No. 1		<u> </u>		
Driller Trainee Name (Print)	Kasey Goble	- Coord on Lincourd	Diamater	24.11	Statia I -	wal Z
	2501	_ Cased or <u>Uncased</u>	- Maneter	<u></u>	Static Le	.vci <u>v</u>
riller/Trainee License No.	2501	- Work/Decommissi	on Start Date		01/03/11	
trainee. licensed driller's		]			<u> </u>	
ignature and License No.		Work/Decommissi	on <u>End</u> Date		115111	
		3	-		<u> </u>	
Construction/Design	<u> </u>	W11-004		Form	ation Description	
	Concrete Surface Sea Depth	<sup>al</sup> <u> </u>	FT	<u> </u>	<u>3</u> F	Г
	Blank Casing (dia x der	)) <b>、                                  </b>	ι			
	Material	PNC.				ļ
		i				
	Backfill		— FT			]
	Туре		İ	ä	G E	- Ì
	Seal	A me me	r <b>F</b>		<u> </u>	L I
		DENICAL		GREY 5	ILTY SAMO	1
	[Materia]	<u></u>	—	•	•	
						·
	-Gravel Pack	ى	FT			
	Material	- 2/12 SAMN	<u> </u>			
				0 <sup>9</sup> -	13 F	г
	Screep (dia x den)	1" × 51		GREY	CLAY	
	Slot Size	10		•	J	
	Material	PUL PRE PAG				
	Well Depth	4			CEIL	
				[	brown 1	<u> 彩</u>
·/////////.	Dackill					· \
	Material		·	WA	FEB 02 201	1 .
<i>\////////////////////////////////////</i>	Total Hole Depth	13	FT	1	P.	×
					Con and	<u></u>

RESOURCE PROTE	CTION WELE	KEIUNI	CUR	RENT	PE05321
SUBMIT ONE WELL REPORT PER	WELL INSTALLED)		Notice	of Intent No.	
Construction/Decommission	404055	5		Type of Well	
Construction	10 10	-		X Resource Prot	ection
Decommission ORIGINAL INSTAL	LATION Notice			Geotechnical S	Soil Boring
of Intent Number		Property Owner	r	Port o	f Seattle
<b>.</b> .		Site Address	<u> </u>	W. Garfield &	16th Ave. W
Consulting Firm Pinn	acle GeoSciences	City	Seattle	County	King
Jnique Ecology Well ID Tag No.	M 887	Location	1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	Twn 25N R 03E or WWN
ELL CONSTRUCTION CERTIFICATION: 1 construct	ted and/or accept responsibility for	 Lat/Long (s,t,r	Lat Deg	<u>x</u>	Lat Min/Secx
astruction of this well, and its compliance with all Was	hington well construction standards	still Required)	Long Deg	x	Long Min/Secx
aterials used and the information reported above are tru-	e to my best knowledge and belief				
		Tax Parcel No. 3			
Driller Trainee Name (Print)	Kasey Goble			21/11	0
Priller/Trainee Signature	14	Cased or Uncased	a Diameter		Static Level 6
Triller/Trainee License No.	2501		ion Start Date		01/03/11
Iminee licensed driller's			.on <u>onn</u> Daie		OTIONIL
ignature and License No		Work/Decommiss	ion End Date		1/5111
Construction/Design		W11-004		Forma	tion Description
	Concrete Surface S Depth Blank Casing (dia x d	eal <u>2</u> ep) <u>1" × 4</u>	FT	<u> </u>	<u> </u>
	Backfill	<u>PVC</u>	FT		
	Туре				τα <i>β</i>
	Seal	Arran	н		
	Seal 1	<u></u>	<u>,                                     </u>	GREY SI	LTY SAMO
	Material	CH(55	<u> </u>		
		s			
	Gravel Pack	ما	ŀ"ſ		
	Material	<u></u>	0		
				- Å 0	اح FT
	Screen (dia x dep)	<u> </u>		GREY	LLAY
	Slot Size	10	_		
	Material	PVC PRE PA	CK_		CEIL
		9	FT		ELEINES/
	Backfill				
	Material	NATIN	<u> </u>	\$	
~	Total Hole Depth	13	FT		RDa S
	· · · · ·			· ·	1 NOA CUD /

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SUBMIT ONE WELL REPORT PER	WELL INSTALLED)		Notice	of Intent No.	KEU:	
Construction/Decommission	40405	6	r	Type of Well		
Construction			l	X Resource Prot	tection	
Decommission ORIGINAL INSTAI	LATION Notice		l	Geotechnical	Soil Boring	
of Intent Number		Property Owner	·	Port o	of Seattle	
Consulting Firm Dian	- de Cantolanas	Site Address		w. Garneid &	Toth Ave. w	
	acte Geosciences	_ City	Seattle	County	KI	EWM
Jnique Ecology Well ID	CM 888	Location	1/4 <b>NW</b>	1/4 <u>NE</u> Sec <u>26</u>	Twn 25N R	03E or WWM
ELL CONSTRUCTION CERTIFICATION. 1 construct	ted and/or accept responsibility for	Lat/Long (s,t,r	Lat Deg	<u>x</u>	Lat Min/Sec	x
nstruction of this well, and its compliance with all Was	hington well construction standards	still Required)	Long Deg	<u> </u>	Long Min/Sec	X
aterials used and the information reported above are tru	ie to my best knowledge and belief	Tax Davad Mo.				
Driller (Trainee Name (Print)	Kasev Goble	Tax Parcer No				
riller/Trainee Signature	-7/~	— Cased or Uncased	Diameter	34"	Static	Level 6
riller/Traince License No	2501					
		Work/Decommiss	on <u>Start</u> Date		01/03/11	
trainee, licensed driller's		_			1 -	
ignature and License No.		Work/Decommiss	on <u>End</u> Date		115/11	
Construction/Design				Form	ation Descriptio	າກ
		- 1		0	2	ГŤ
	Depth	· 2	FT			F I
				۴	nc	
	Blank Casing (dia x d	ep) <u>i'' × Y</u>				
	Material	PNC				
	—— Backfill	<u> </u>	FT			
	Type	_		_		
				03	٩	FT
	Seal	BENTONI	r <u>t</u>	GREV S	ILTY SAME	2
	Material	CHIYS				
	Gravel Pack	6	FT			
	Material	- 2/12 SAN	<u>。</u>			
			i	0 <sup>4</sup> -	13	FT
	Screen (dia x dep)	<u>1"×5'</u>		GREY	CLAY	
	Slot Size	10				
	Material	PVC PRE PA	<u> </u>			
	Well Depth	9	FT	1	ECEIV	ES .
				/`	<b>S</b>	- \
	Васкли			1		
	Material	Ν Ατικλ		4	FEB 02 20	11 2

RESOURCE PROTECT		EIUKI	CURI	RENT	00 02 DF0	5321
UBMIT ONE WELL REPORT PER WI	CLL INSTALLED)		Notice	of Intent No.	KEU	3341
	40405 /		ſ	X Resource Pr	otection	
Decommission ORIGINAL INSTALLA	ITION Notice		L [	Geotechnica	l Soil Boring	
of Intent Number		Property Owne	r	Port	t of Seattle	
		Site Address		W. Garfield	& 16th Ave. W	
Consulting FirmPinnacl	e GeoSciences	City	Seattle	County	/ <u> </u>	ng
					<	EWM
ag No.	M 889	Location	1/4 <u>NW</u>	1/4 <b>NE</b> Sec <b>Z</b>	<u>6 Two 251N R</u>	USE or WWM
ELL CONSTRUCTION CERTIFICATION. 1 constructed a	nd/or accept responsibility for	Lat/Long (s,t,r	Lat Deg	x	Lat Min/Sec	x
nstruction of this well, and its compliance with all Washing	ton well construction standards	still Required)	Long Deg	x	Long Min/Sec	x
aterials used and the information reported above are true to	my best knowledge and belief					
	Kasay Cabla	Tax Parcel No. 7				
IDmier I trainee Name (Print)		Cased or Uncase	d Diameter	2/21	l Static	Level 6
iriller/Trainee License No	2501	5				- <u></u>
		Work/Decommiss	ion <u>Start</u> Date		01/03/11	
trainee, licensed driller's					1 -	
ignature and License No.		Work/Decommiss	ion <u>End</u> Date		15/11	
Construction/Design	v	V11-004		For	nation Description	on
	Concrete Surface Seal Depth Blank Casing (dia x dep)	<u>2</u>	FT		. <u>3</u> Filc	FT
	Material	PNC				
	Backfill	1	FT			
	Type					
				03	- 9	FT
	Seal	BENTON	<u>rc</u>	LOW	SILTY SAM	2
	Material	64175				-
		_			-	
	Gravel Pack	6	FT			
	Material	Zfiz SAN	<u>~</u>			
	_			0 9	- 13	FT
	Screen (dia x dep)	1"×5'		GREY	CLAY	
	Slot Size	10				
	Material	PVC PRE PA	cK			
	Well Depth	9	FT		CEIV	TRA .
	Backfill			/	AL .	<b>√⊘</b> ∖
	Material	NATIN	<u></u>	/	,	
	-Total Hole Depth	13	 FT		€ FEB 02 7	

	Μ	W-B75			25-38-26
<b>RESOURCE PROTE</b>	CTION WELL	REPORT	CURI	RENT	
(SUBMIT ONE WELL REPORT PER	WELL INSTALLED)	,	Notice	of Intent No	RE05321
Construction/Decommission	414150	3		Type of Well	
X Construction				X Resource Protecti	on
Decommission ORIGINAL INSTAI	LATION Notice		]	Geotechnical Soil	Boring
of Intent Number		Property Owne	r	Port of Se	eattle
		Site Address		W. Garfield & 161	th Ave. W
Consulting Firm Pinn	acle GeoSciences	City	Seattle	County	King
Unique Ecology Well ID Tag No BCM	1 890	Location	1/4 <b>NW</b>	1/4 <u>NE</u> Sec <u>26</u> Twi	EWM 25N R 03E or WWM
WELL CONSTRUCTION CERTIFICATION: I construct	ted and/or accept responsibility for	Lat/Long (s,t,r	Lat Deg	x La	t Min/Secx
construction of this well, and its compliance with all Was	hington well construction standards	still Required)	Long Deg	x Lo	ng Min/Secx
Materials used and the information reported above are true	e to my best knowledge and belief	Tax Parcel No.	·		
Driller I Trainee Name (Print)	7/ -	<ul> <li>Cased or Uncase</li> </ul>	d Diameter	314	Static Level 🗲 <sup>1</sup>
Deiller/Traince Signature	2501		2 17 minerol .		
	2JUI	- Work/Decommiss	ion <u>Start</u> Date	0	1/03/11
If trainee, licensed driller's		]			<u>-</u>
Signature and License No.		Work/Decommiss	ion <u>End</u> Date		1/5/11
Construction/Design		W11-004		Formation	
	Concrete Surface Sea Depth Blank Casing (dia x dep Material Backfill	al <u>2</u> p) <u>1" y 4</u> <u>Pvc</u> <u>1</u>	FT / FT	0 Fr	3FT
	Seal Material	Bent Ch.p	<u> </u>	<u> </u>	FT GTY SAND
	Gravel Pack Materia!	2/n 5	FT <u>ANO</u>		
	Screen (dia x dep) Slot Size	1" × 5 10			FT
	Well Depth Backfill	9	FT	RE	CEIVED
▲	Material —— Total Hole Depth	9	FT	WATE	B 02 2011
Scole 1" =		Page	of		TERY ASSESSED AND NOLL

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EPORT Property Owner Site Address City Location Lat/Long (s,t,r	CUR Notice Seattle	RENT e of Intent No. Type of Well X Resource Prote Geotechnical S Port of W. Garfield &	RE05321 ection Soil Boring f Seattle
Property Owner Site Address City Location Lat/Long (s,t,r	Notice	e of Intent No. Type of Well X Resource Prote Geotechnical S Port of W. Garfield & County	RE05321
Property Owner Site Address City Location Lat/Long (s,t,r	Seattle	Type of Well           X Resource Prote           Geotechnical S           Port or           W. Garfield &	ection Soil Boring <u>f Seattle</u>
Property Owner Site Address City Location Lat/Long (s,t,r	Seattle	X Resource Prote Geotechnical S Port of W. Garfield &	ection Soil Boring <u>f Seattle</u>
Property Owner Site Address City Location Lat/Long (s,t,r	Seattle	Geotechnical S Port o W. Garfield &	Soil Boring f Seattle
Property Owner Site Address City Location Lat/Long (s,t,r	Seattle	Port o W. Garfield & County	f Seattle
Site Address City Location Lat/Long (s,t,r	Seattle	W. Garfield &	
Location Lat/Long (s,t,r	Seattle	County	16th Ave. W
Location Lat/Long (s,t,r		County	King
Lat/Long (s,t,r	1/4 <b>NW</b>	1/4 NE Sec 26	Twn 25N R 03E or WW?
	Lat Deg	x	Lat Min/Secx
still Required)	Long Deg	<u> </u>	Long Min/Sec
Tou Davosi No			
Fax Parcel NO.			
Cased or <u>Uncased</u>	Diameter	34	Static Level 5
Work/Decommissio	on <u>Start</u> Date	:	01/03/11
Work/Decommissio	on <u>End</u> Date		<u> </u>
1-004		Forma	tion Description
2 1" x 5 PVC 2 Bentonite Chips 6 2/12 SAN 1" X 5' 10 PVC PRE PA 10 10 10	FT	<u> </u>	<u>3</u> FT FT ILTY SAMO T CLAY FT CLAY
,		1 1	1
	1" x 5 PVC 	1" × 5 <u>PVC</u> <u>D</u> FT <u>Deutowite</u> <u>Cuips</u> <u>6</u> FT <u>2/12 SAND</u> <u>1" × 5'</u> <u>10</u> <u>PVC PRE Pacik</u> <u>10</u> <u>FT</u> <u>NATIVE</u>	$\frac{1'' \times 5'}{g \vee c}$ $\frac{\partial}{\partial f} = FT$ $\frac{\partial}{\partial f} = GREY 5$ $\frac{\partial}{\partial f} = GREY 5$ $\frac{\partial}{\partial f} = GREY$

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TION WELL	REPORT	CUR.	RENT	0	
		nonce	of Intent No.	KEO 54	FII
407.634 ATION Notice			Type of Well Resource Prot Geotechnical	tection Soil Boring	
	<ul> <li>Property Owner</li> <li>Site Address</li> </ul>	Port of S			
sultants-Federal Way	City Seattle		County		
-	Location	174 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>		EWM or
r accept responsibility for elf construction standards	Lat/Long (s,t,r still Required)	Lat Deg Long Deg		Lat Min/Sec Long Min/Sec	
est knowledge and belief	Tax Parcel No.				
10 y -1	Cased or Uncased	d Diameter	31/4	Static Le	vel <b>/0</b>
	Work/Decommissi	on Start Date	2/1	7 /2011	
 	- Work/Decommissi	on End Date	z/7,	20 11	
Well Data '	<b>-</b> W11-060		Forma	ation Description	
Concrete Surface Sea Depth Blank Casing (dia x de Material Backfill Type Seal Material Gravel Pack Material	2' p) <u>1" 8'</u> <u>PVC</u> <u>N/A</u> <u>N/A</u> <u>4'</u> <u>Bestanite chip</u> <u>7'</u> <u>2/12 sawels</u>	FT	0 Silts San to small gr brown, Dry, Dry, Silts, San to smalls, gr Shells, Let	15' FT wds 40%, ne avels, light compact, 15' FT wds 60%, n nevels, small t, compact	d. red
<ul> <li>Screen (dia x dep)</li> <li>Slot Size</li> <li>Material</li> <li>Well Depth</li> <li>Backfill</li> <li>Material</li> <li>Total Hole Depth</li> </ul>	1" × 5' 010 Pre Per 2/12 sand 13' Benitonited 2' 15'	<u>_k</u> FT	0 E MA	FT CEIVES R 0.2 2011	
	ATION Notice  Sultants-Federal Way  raccept responsibility for elf construction standards est knowledge and belief  Floyd  Concrete Surface Sea Depth Blank Casing (dia x de Material Backfill Type Seal Material Gravel Pack Material Gravel Pack Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill Material Well Depth Backfill Material Total Hole Depth	ATION Notice       Property Owner         Site Address       Site Address         isultants-Federai Way       City Seattle         Location       Lat/Long (s,t,r         raccept responsibility for       Lat/Long (s,t,r         eff construction standards       still Required)         est knowbdge and belief       Tax Parcel No.         Floyd       Cased or Uncases         Work/Decommissi       Work/Decommissi         Well Data       W11-060         Concrete Surface Seal       Z'         Depth       Z'         Blank Casing (dia x dep)       /" & S'         Material       PVC         Backfill $\mathcal{N}/A$ Type $\mathcal{N}/A$ Seal $\mathcal{Y}'$ Material       Buctoritz Chip         Gravel Pack $\overline{Z'}$ Stot Size $OIO$ Pre Re         Material $2/t2$ sawd         Well Depth       13'         Backfill $Bextorite Chip         Material       2/t2 sawd         Material       2/t2 sawd         Material       13'         Backfill       Bextorite Chip         Material       2/t2 sawd    $	ATION Notice       Property Owner       Port of S         Site Address       2001 Garfield         Isultants-Federai Way       City       Seattle         Location       1/4       NW         Incespt responsibility for       Lat/Long (s,t,r       Lat Deg         eliconstruction standards       still Required)       Long Deg         Eliconstruction standards       still Required Diameter         Hork/Decommission Start Date       Work/Decommission End Date         Well Data       W11-060         Concrete Surface Seal       Z'         Depth       Z'       FT         Blank Casing (dia x dep)       /'       S'         Material       Burbarite chips         Gravel Pack       Z'       FT         Material       Z/12 sounds       FT         Material       Z/12 sounds       FT         Material       Z/12 sounds       FT         Material       Z/12 sounds       FT         Backfill       Z/12 sounds       FT	ATION Notice       Property Owner       Port of Seattle         Site Address       2001 Garfield St.         Isultants-Federai Way       City Seattle       County         Location       14       NW       1/4       NE       See 26         Incestrepensibility for       Lat/Long (s,1,r       Lat Deg	ATION Notice       Property Owner       Pot of Seattle         Site Address       2001 Gafield St         isultants-Federal Way       City Seattle       County 17-King         Location       P4       NW       1/4 NE       see 26       Two 25N       R 3E         Isultants-Federal Way       City Seattle       County 17-King       Lat Min/Sec       Interview         Isultants-Federal Way       City Seattle       County 17-King       Lat Min/Sec       Interview         Isultants-Federal Way       City Seattle       County 17-King       Lat Min/Sec       Interview         Isultants-Federal Way       City Seattle       County 17-King       Lat Min/Sec       Interview         Isultants-Federal Way       City Seattle       County 17-King       Lat Min/Sec       Interview         Isultants-Federal Way       City Seattle       County Not/Decompission Start Date       2/7 /2011       Static Le         Work/Decommission End Date       Z /7 /2011       Work/Decommission End Date       Z /7 /2011       FT         Backfill       N/A       FT       Static Le       0       10'       FT         Backfill       N/A       FT       Static Le       Static Le       Static Le       Static Le         Statial

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	F	P91-MW02			25-3	E-74
<b>RESOURCE PROTE</b>	CTION WELL	REPORT	CUR	RENT		
(SUBMIT ONE WELL REPORT PEI	R WELL INSTALLED)		Notice	e of Intent No.	KEO 5-	FII
Construction/Decommission	41713	6		Type of Well		
AConstruction	(0 ( & )	в		Resource Pro	tection	
Decommission ORIGINAL INSTA	LLATION Notice			Geotechnical	Soil Boring	
of Intent Number	<u> </u>	Property Owne	r <u>Port of</u> :	Seattle		
		Site Address	2001 Garfiel	d St.		
Consulting Firm Kennedy/Jenks	Consultants-Federal Way	City Seattle		County	17-King	
Jnique Ecology Well ID 「ag No. <i>BHB 01Y</i>		Location	1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	R <u>25N</u> R <u>3E</u>	or WWM
ELL CONSTRUCTION CERTIFICATION: 1 constructed a	nd/or accept responsibility for	Lat/Long (s,t,r	Lat Deg		Lat Min/Sec	
nstruction of this well, and its compliance with all Washin g	on well construction standards	still Required)	Long Deg		Long Min/Sec	
aterials used and the information reported above are true to	ny best knowledge and belief	Tay Dagad Ma				
Driller Trainee Name (Print) Elii	ah Floyd	Tax Parcel NO.				
Driller/Trainee Signature	Floyd	Cased or Uncase	d Diameter	314	Static Lev	////
Driller/Trainee License No2842	/	- Work/Docement-	on Stort Data	2/7/	2011	
ftrainee, licensed driller's		work/Decommissi		/		
ignature and License No.		Work/Decommissi	on End Date	2/10/2	2011	
	Well Data			Form	otion Description	
		·			ation Description	
	Concrete Surface Se Depth Blank Casing (dia x de Material	ep) <u>1" 81</u> FUC	FT	0 - SiHs, Sen to small gue brown, Du	JO' FT Jobs 90% Aned Juls, I ight Compact	,
	Backfill	<u>~///</u>	F1			
	Туре	<u>/</u> A		0 -	15′ FT	
	Seal	<u> </u>		silts sa	Nds 60% M	c 1
	Material	Bestavite d	lips	to shall s	vauels, small	7
		····		shills w	et compact	-
	Gravel Pack		FT		· · ·	
	Material	2/12 Sands				
				0 -	FT	
	Screen (dia x dep)	1" × 5'				
	elot elim	ALD Fin R.	-k			
	Sitt Size		<u></u> /			
	Material	2/16 Sang	·			
			FT			
	Backfill	Bentovite ci	hips			
	Material	Z'		1	<b>ECEIVE</b>	<u> </u>
		15	 ET	/ <b>^</b>		'\
<u> </u>	I oral Hole Depth		ſ ĭ		MAD A9 2011	
cale 1" =		Page	of		MAR ECY 50-12 (Rec	<b>E</b> op
				15		·/
					ALSON TO	/

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1	F	P91-MW03			J5-3E	-Э6B
SRESOURCE PROTE	CTION WELL WELL INSTALLED)	REPORT	CUR Notice	RENT of Intent No.	REO 5.	+77
E Construction/Decommission Construction Construction Decommission ORIGINAL INSTAL of Internt Number	46763	Property Que	r Dort of G	Type of Well Resource Pro Geotechnical	tection Soil Boring	
		_ Site Address	2001 Carfield			
Consulting Firm <u>K</u> ennedy/Jenks C	Consultants-Federal Way	City_Seattle		County	17-King	
Unique Ecology Well ID Tag No RHB 013		Location	1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	_Tvm <u>25N_</u> R <u>3E</u> _	OF WWM
WELL CONSTRUCTION CERTIFICATION: I constructed an construction of this well, and its compliance with all Washingto	d/or accept ris pon sibility for n well construction standards	– Lat/Long (s,t,r still Required)	Lat Deg Long Deg		Lat Min/Sec Long Min/Sec	
S discrizione Name (Print) - Flüg	y best knowledge and belief h Floval	Tax Parcel No.				
Driller/Trainee Signature	Flyd	Cased or Uncase	d Diameter	31/4	Static Le	vel <u>(0</u>
Driller/Trainee License No. 2842		- Work/Decommiss	on Start Date	2/7	12011	
If trainee, licensed driller's Signature and License No		Work/Decommiss	on End Date	2/7/	2011	
Construction/Design	Well Data	┙ W11-060		Forma	ation Description	
	Concrete Surface Ser Depth Blank Casing (dia x de Material Backfill Type Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material	al <u>Z</u> p) <u>I'' 8'</u> <u>PVC</u> <u>N/A</u> <u>N/A</u> <u>V/A</u> <u>4''</u> <u>Bentonite Ch</u> <u>7'</u> <u>2/12 sands</u> <u>1" x 5'</u> <u>.010 Pre F</u> <u>2/12 sand</u>	FT FT FT FT 	0 Silts, Sano to Sanc ligna brown, Dry 0 Sitts, Sano to Small, o Shells, we 0 -	10' FI ds 40%, med uds, light , compact 15' FI ds 80%, med provels, sha t, compact FI	
Scale 1" =	Well Depth Backfill Material Total Hole Depth	IZ' Rentomite CL IS' Page	FT		CEIVES MAR 0.2 2011 ECY 050-12 (Rec	Ome
				19	EX TESUUKUES	/

	P	'91-MW04			75-3E-76l
RESOURCE PROTECT (SUBMIT ONE WELL REPORT PER WI	FION WELL	REPORT	CUR] Notice	RENT of Intent No.	RE05477
Construction/Decommission Construction Decommission ORIGINAL INSTALLA of Intent Number	407640 TION Notice	Property Owner	r Part of S	Type of Well Resource Pro	stection I Soil Boring
Consulting Firm Kennedy/Jenks Cons	ultants-Federal Way	Site Address City Seattle	2001 Garfield	St. County	17-King
Jnique Ecology Well ID Fag No. <u>BH B ~ 018</u>		Location	1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	TWB 25NR 3EOr WWM
'ELL CONSTRUCTION CERTIFICATION: I constructed and/or a onstruction of this well, and its compliance with all Washin gton well	ccept responsibility for construction standards	Lat/Long (s,t,r still Required)	Lat Deg Long Deg		Lat Min/Sec Long Min/Sec
aterials used and the information reported above are true to my best Driller Trainee Name (Print) <u>Elijah F</u> l	knowiedge and belief	Tax Parcel No.			
Driller/Trainee Signature 2245 FT	»yd	Cased or Uncased Work/Decommission	1 Diameter	<u> </u>	Static Level
f trainee, licensed driller's		Work/Decommissio	on End Date	2-/	0 - 2011
Construction/Design	Well Data	W11-060		Form	ation Description
	Concrete Surface Sea Depth Blank Casing (dia x dep Material Backfill Type Seal Material Gravel Pack Material	1) <u>Z'</u> p) <u>I" x 9'</u> <u>PV C</u> <u>N/A</u> <u>N/A</u> <u>Bientonite ch</u> <u>7'</u> <u>Z/12 and /R</u>	FT FT FT FT FT	0 Silts, San Compact, Du Sands, CO Survels, Co Sec. Shells	10' FT ds, Small gravels ry, light brown 20' FT r, Silts Small mpact, vet
	- Screen (dia x dep) Slot Size Material - Well Depth Backfill Material	1" x 5' .010 Pre Pac PVC 14' 6' Bestowitechi 20	<u>+</u> <u>+</u> FT FT	_ 0 _	PECEIVES
cale !" =	- I dial Hole Depin	Page	<b>r  </b> of	- (WAY	MAR 02.2011 (11. 20)

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	F	P91-MW05			25-3E-21	6
RESOURCE PROTE	CTION WELL	REPORT	CURJ Notice	RENT of Intent No.	REOST	רו
Construction/Decommission Construction Decommission ORIGINAL INSTAL	40763	7		Type of Well Resource Pro	tection Soil Boring	
of Intent Number		Property Owner	Port of S	eattle		
~		Site Address <u>20</u>	01 Garfield	St.		
Consulting Firm Kennedy/Jenks C	onsultants-Federal Way	City <u>Seattle</u>		County	17-King	CW
nique Ecology Well ID ag No. <u>BHB 015</u>		Location <sub>1/</sub>	4 <u>NW</u>	1/4 <u>NE</u> Sec 26	Twn <u>25N</u> _ R <u>3E</u>	or WW
ELL CONSTRUCTION CERTIFICATION: I constructed and istruction of this well, and its compliance with all Washin grou	d'or accept responsibility for n well construction standards	Lat/Long (s,t,r L still Required) L	at Deg ong Deg		Lat Min/Sec Long Min/Sec	
erials used and the information reported above are true to m Driller Trainee Name (Print) Elija	y best knowledge and belief h Flovd	Tax Parcel No.				
iller/Traince License No. 2842	Toyd	Cased or Uncased I	Diameter	3/14	Static Level _	j
		Work/Decommission	Start Date		-2.011	
trainee, licensed driller's gnature and License No	· · · · · ·	Work/Decommission	End Date	2.10.	-20//	
Construction/Design	Well Data	W11-060		Forma	ation Description	
	Concrete Surface Se Depth Blank Casing (dia x de Material Backfill Type Seal Material Gravel Pack Material	al <u>Z'</u> p) <u>I'' 8'1z''</u> <u>PVC</u> <u>N/A</u> <u>N/A</u> <u>Y'1z</u> <u>Bestioite drips</u> <u>7</u> 2/12 Saind	FT	0 - Silts, Sa. gravels, Co brown, Dr brown, Dr - Sands 60 some silts, Compact, greg.	10 FT was 40% small repart, light 7, <u>150</u> FT <u>1, small grants</u> Sea Shalls set ligh <del>4</del>	·
	Screen (dia x dep) Slot Size Material Well Depth Backfill	1× 5' ,010 Pue Pack 2/12 sand 13'12 11/2'	FT	<u> </u>	FT	
	Material — Total Hole Depth	2/12 scord 15'	FT		IAR 02 2011	
Scale 1" =	<u>_</u>	Page0		- (ATTERN	ECY 050-12 (PENVER	)

	F	P91-MW06		25-36-20
RESOURCE PROTEC submit one well report per	C <b>TION WELL</b> Well installed)	REPORT CUR	RENT of Intent No.	RE05477
Construction/Decommission Construction Decommission ORIGINAL INSTAL	407638 LATION Notice		Type of Well Resource Pro Geotechnical	tection Soil Boring
of Intent Number		Property Owner Port of S	Seattle	
		Site Address 2001 Garfield	l St	
onsulting Firm Kennedy/Jenks Co	onsultants-Federal Way	City Seattle	County	17-King
nique Ecology Well ID ag NoBHB		Location 1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	Twn 25N R 3E or WWM
I.I. CONSTRUCTION CERTIFICATION: 1 constructed and struction of this well, and its compliance with all Washin gron	to raccept responsibility for well construction standards	Lat/Long (s,t,r Lat Deg still Required) Long Deg		Lat Min/Sec Long Min/Sec
erials used and the information reported above are true to my Driller Traince Name (Print) Flijah	best knowledge and belief Floyd	Tax Parcel No.		
iller/Trainee Signature	Floyd	Cased or Uncased Diameter	3/14	Static Level <u>/0'</u>
Iller/Trainee License No. 2842	• • • • • • • • • • • • • • • • • • • •	Work/Decommission Start Date	2-7	-2011
gnature and License No.	· · · · · · · · · · · · · · · · · · ·	Work/Decommission End Date	Z-102	-Zoll
Construction/Design	Well Data	W11-060	Form	ation Description
	Concrete Surface Se Depth Blank Casing (dia x do Material Backfill Type	$ \begin{array}{c}     al \\                               $	0 - silts, san ginvels, co Brown, Do	\$0 FT ds 40%, small ampact, light 7
	Seal Material Gravel Pack	<u>4'/l'</u> Bentovite chips 7' FT	Silts, save grovels, se wet, ligh	17 FT to 60%, suc 11 a shells, compact at grey
	Material	2/12 sands	0 -	FT
	Screen (dia x dep)	1" × 5'		
	Material	2/12 50.00		
		<u>131/2</u> FT		ECEILA
	Backfill Material	2/12 5= 301		er (S)
</td <td> Total Hole Depth</td> <td>FT</td> <td>WA</td> <td>MAR 02 2011 S)</td>	Total Hole Depth	FT	WA	MAR 02 2011 S)
ale l" =		Page of	- (Inv	ECY 050-12 (Res 2/1)

# P91-MW07

### Kennedy/Jenks Consultants

Borir	ıg &	We	ll Co	nstruction	Lo	g		1 1010	101			Kenne	edy/、	Jenks Consultant
BORING	Pier	TON 91 Ar	ea D									Well Name		P91D-B15
DRILLIN	IG COM Case	PANY ade						DRII	LLER Eli			Project Name	Port o	of Seattle Pier 90-91
DRILLIN	IG METH Geof	lod(s) Probe						DRI	LL BIT(S) 2-in	size ch		Project Number		1096004*02
ISOLAT	ION CAS N/A	SING						FRC	M N/A	то	N/A	ELEVATION AND DATU	JM	TOTAL DEPTH
BLANK	CASING 1-inc	h Sch	edule	40 PVC Pipe				FRC	M 0	то	9 FT.	DATE STARTED		20.0 ft. bgs DATE COMPLETED
SLOTTE	D CASII	vg h Pre	pack I		h Sl	otted	Screer	FRC	M	то	FT. 14	2/9/11 INITIAL WATER DEPTH	I (FT)	2/9/11
SIZE AN		OF FIL	TER PA	ск Sand				FRC	ом 7	то	FT.	10.5 LOGGED BY		
SEAL	Hvdr	ated F	Bentor	nite Chips		•		FRC		TO		DKM SAMPLING METHODS		WELL COMPLETION
GROUT	Conc	rete						FRC	м О	то	FT. 1	MacroCore w/Liner		■ SURFACE HOUSING
S		PENETR.	DEPTH	SAMPLE NUMBER	WEL	L CONSI	RUCTION	PIO	LITHOLOGY	USCS		SAMPLE OESCRIPTIO		
TYPE	(FEET)	' RESIST. BLOWS/6'	(FEE)			Þ .				LUG	Asph	alt and crushed rock	base	
-			-					-						
_									` \} ``	GW	Gray-	graded GRAVEL with brown, angular to sub	sand angula	ar gravel with ~40%
SS	4.5										Sand,	v graded SAND with	oist, n aravel	o odor, no sheen.
-			-	-							Tan-b	rown to brown, mediu	ım sar erately	nd with up to 45% angular v dense moist no odor
			-	_			-	0		SP	- no sh	een.	0.0101)	
			5-				-				-			
-								-	• • • • • • • • • • • • • • • •		_			
-				-					• • • • • • •		- Woll	araded SAND with ar	aval	·····
SS	5								•		Gray-	brown, medium to coa	aver arse sa	and with ~40%
-			-								wet, r	io odor, <b>n</b> o sheen.	ver, me	bueratery dense, moist to
-			-	-			-	0		sw	_			
		· · · · ·	10-				-		•••	4	-			
-			_								_			
- 1							_	1705						······
ss	4		M	P91D-B15-12				1705		SP/	Poori Dark	<b>y grade</b> d SAND with gray, medium sand w	silt an ith up	<b>d</b> gra <b>vel</b> to ~15% silt and ~15%
-			-	•						5171	☐ grave light s	l, moderately dense, v sheen.	wet, st	rong hydrocarbon odor,
-								50.4			Well-	graded SAND with gr	avel	
	<b> </b>		15-	-		× × ×			· · ·		- round	ed gravel, moderately	/ dens	e, wet, slight hydrocarbon
			-	-		× × ×	* * -				-	ne eneçîî.		
			-	-		× × ×	<			sw	-			
ss	2					× × × × × × × × × × × × × × × × × × ×			• • •					
			7	P91D-B15-18	}	× × × ×		264.4			r star			
-			لا	ne production de la constante de la constante de la constante de la constante de la constante de la constante d		× × × × ×	<		, , , , , , , , , , , , , , , , , , , ,		L			
	<u> </u>		20-	<u> </u>		<u>Ľ × × .</u>	<u> </u>		•••					1774.01
1. M	bnitorir	ng well	P91_N	W07 installed.										

F-40.1 (6-87) (3-88) (8-90) .

<b>RESOURCE PROTEC</b>	TION WELE	REPORT	CUR	RENT	
UBMIT ONE WELL REPORT PER W	'ELL INSTALLED)		Notice	of Intent No.	RE05477
anotruation/Docommission		,		Type of Well	
	40764	/	ļ	X Resource Pro	stection
	ATION Nation		l		Soil Boring
of Intent Number	ATTON Nonce	Pronerty Owner	r PortofS	Geoteenmear	Jour Dorling
		Site Address	2001 Garfield	St.	· · · · · · · · · · · · · · · · · · ·
onsulting Firm Kennedy/Jenks Cor	sultants-Federal Way	City Seattle		County	17-King
		— <u> </u>			EWN
nique Ecology Well ID ag No. <b>RHR 019</b>		Location	1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	Twn <u>25N</u> R <u>3E</u> or 
LL CONSTRUCTION CERTIFICATION: L constructed and/o	r accept responsibility for	<ul> <li>Lat/Long (s,t,r)</li> </ul>	Lat Deg		Lat Min/Sec
struction of this well, and its compliance with all Washington w	ell construction standards	still Required)	Long Deg		Long Min/Sec
terials used and the information reported above are true to my b	est kno wledge and belief				
	<b>-</b> , :	Tax Parcel No.			
JDritter Trainee Name (Print) Elijah riller/Trainee Signature 527-12		 Cased or Uncase	d Diameter	31/4 "	Static Level 10
riller/Traince License No. 2842				<u></u>	
		Work/Decommissi	on Start Date	6/7/20	<i>II</i>
trainee, licensed driller's			ion End Date	2/10/201	17
gnature and License No.					·
Construction/Design	Well Data	W11-060		Form	ation Description
					4 - 1
	Concrete Surface Se	al 7'		$-\frac{0}{-\frac{1}{2}}$	<u>/0</u> FT
	Depth		F I	Silits, San Skaurte	uds 40%, small
	Blank Casing (dia x d	ep) <u>1" 9</u>		braud o	Compaci, light
	Material	PVC			ry
	-Backfill	N/A	FT		
	Тупе				
	1,360	NIM		1	
	1 ypc	//A			<u>20'</u> FT
	Seal			0 - Sands 60%	20' FT medginvels
	Seal Material	N/A 5 Bentonite ch	<u>vips</u>	0 - Sands 60% to 2", sea	20' FT medginvels shells, Wet
	Seal Material		<u>دمن</u> ۲۲	0 Sands 60', to 2", sea light grey	20' FT Medginvels shells, Wet
	Seal Material Gravel Pack	Bentonite ch 7 2112 sound /P.	FT FT	0 Sands 60% to 2", sea light grey	20' FT , Medginvels shells, Wet
	Seal Material Gravel Pack Material	N/A ST Bentonite ch 7 2/12 soud/fb	<u>iips</u> FT <u>e Pac</u> K	0 Sands 60', to Z", sea light grey	20' FT , medginvels shells, Wet
	Seal Material Gravel Pack Material	ST Bentonite ch 7 2/12 sound /fb	<u>ips</u> FT <u>~_ Rac</u> K	0 Sands 60% to 2", sea light grey	20' FT , Medgmvels shells, Wet
	Seal Material Gravel Pack Material Screen (dia x dep)	N/A <b>S</b> Bentonite ch 7' 2/12 sound / Pu 1" 5'	<u>тря</u> FT <u>е Рас</u> К	0 Sands 60% to 2", sea light grey	20' FT , Medginvels shells, Wet
	Seal Material Gravel Pack Material Screen (dia x dep)	57 Bentonite ch 7 2/12 soud / Pu 1" 5' .010 Pue Pac	FT FT <u>re Pac</u> K	0 Sands 60% to 2", sea light grey	20' FT , med ginvels shells, Wet
	Seal Material Gravel Pack Material Screen (dia x dep) Slot Size	N/A ST Bentonite ch 7 2/12 sound / Pu 1" 5' .010 An Pac DVC	<u>FT</u> FT <u>re Pac</u> K	0 Sands 60% to 2", sea light grey	20' FT , med gmvels shells, Wet
	<ul> <li>Seal</li> <li>Material</li> <li>Gravel Pack</li> <li>Material</li> <li>Screen (dia x dep)</li> <li>Slot Size</li> <li>Material</li> </ul>	5 Bentonite ch 7 2/12 soud / Ru 1" 5' .010 An Pac PVC	FT FT re Pac K	0 Sands 60; to 2", sea light grey	20' FT , med ginvels shells, Wet
	Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth	57 Bentonite ch 7 2/12 sond /Po 1" 5' 010 An Pac PVC 14'	FT FT FT K FT	0 Sands 60; to 2", sea light grey	20' FT medginvels shells, Wet
	<ul> <li>Seal</li> <li>Material</li> <li>Gravel Pack</li> <li>Material</li> <li>Screen (dia x dep)</li> <li>Slot Size</li> <li>Material</li> <li>Well Depth</li> <li>Backfill</li> </ul>	<u>5</u> Bentonite ch <u>7</u> <u>2/12 soud / Pu</u> <u>1" 5'</u> <u>010 Ru Pac</u> <u>PVC</u> <u>14'</u> <u>6'</u>	FT FT Re Rec K K FT	0 Sands 60; to 2", sea light grey	20' FT , med ginve ls shells, Wet FT
	<ul> <li>Seal</li> <li>Material</li> <li>Gravel Pack</li> <li>Material</li> <li>Screen (dia x dep)</li> <li>Slot Size</li> <li>Material</li> <li>Well Depth</li> <li>Backfill</li> <li>Material</li> </ul>	N/A ST Bentonite ch 7 2/12 soud / Pu 1" 5' 010 An Pac PVC 14' 6' Ru tonite ch	FT	0 Sands 60; to 2", sea light grey	20' FT medgenvels shells, Wet FT FT
	<ul> <li>Seal</li> <li>Material</li> <li>Gravel Pack</li> <li>Material</li> <li>Screen (dia x dep)</li> <li>Slot Size</li> <li>Material</li> <li>Well Depth</li> <li>Backfill</li> <li>Material</li> </ul>	N/A ST Bentonite ch 7 2/12 soud /fu 1" 5' 010 An Pac PVC 14' 6' Bentonite ch 20'	FT FT K K FT	0 Sands 60; to 2", sea light grey	20" FT medgenvels shells, Wet FT FT MAR 02 2011

FSOURCE PROTEC	TION WELL	291-MW09	RENT	25-3E-26
IBMIT ONE WELL REPORT PER W	ELL INSTALLED)	Notice	of Intent No.	RE0608.9
ture effer / Decommission		,	Type of Well	-
Instruction Decommission	424060		Resource Pro	tection
Decommission ORIGINAL INSTALL	ATION Notice		Geotechnical	Soil Boring
of Intent Number	AHON Nonee	Property Owner Port of S	Seattle	
· · · · · · · · · · · · · · · · · · ·	<b>=</b> /	Site Address 2001 Garfield	1 St.	
nsulting Firm Kennedy/Jenks Cor	sultants-Federal Way	City Seattle	County	17-King
ique Ecology Well ID g No. BHA - 205	7	Location 1/4 <u>NW</u>	1/4 <u>NE</u> _S∞ 2 <u>6</u>	
L CONSTRUCTION CERTIFICATION: I constructed and/o	raccept responsibility for	Lat/Long (s,t,r Lat Deg		Lat Min/Sec
uction of this well, and its compliance with all Washington w	ell construction standards	still Required) Long Deg		Long Min/Sec
ials used and the information reported above are true to my b	est kno wiedge and belief	Tax Parcel No.		
Driller Trainee Name (Print) Elijah Her/Trainee Signature	Floyd Floyd	Cased or Uncased Diameter	31/2"	Static Level
ller/Trainee License No. 2842	·	Work/Decommission Start Date	2/2	7/2011
ainee, licensed driller's		Work/Decommission End Date	Z/2	8/2011
Construction/Design	Well Data	W11-446	Form	ation Description
	Concrete Surface Sea Depth Blank Casing (dia x dep Material Backfill Type Seal Material Gravel Pack Material Screen (dia x dep) Slot Size Material Well Depth Backfill	$\frac{1}{2} \frac{2}{1} FT$ $\frac{1}{2} \frac{1}{2} \frac{1}{2} FT$ $\frac{1}{2} \frac{1}{2} \frac{1}{2} FT$ $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} FT$ $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} FT$ $\frac{1}{2} \frac{1}{2} 1$	<u>o</u> sitts, san gravels, U loose, Dry Sawds 60 loose, wet	The providence of the providen
▲	Material Total Hole Depth	<u>Bentonite chips</u> <u>ZO'</u> FT		

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		)1-MW10		ENT	25-3E-26B
<b>5 RESOURCE PROTECT</b>	UN WELL N L INSTALLED)	LIUNI	Notice of	f Intent No.	RE06089
Construction/Decommission	124069		۲ –	Type of Well	
Ž <sup>4</sup> Construction				A Resource Pro	Soil Boring
Decommission ORIGINAL INSTALLATI	ON Notice	Property Owne	r Port of S∉	attle	Sou Dornig
		Site Address	2001 Garfield	St	
Consulting Firm Kennedy/Jenks Consult	ants-Federal Way	City Seattle		County	17-King
Digue Ecology Well ID E Cag No. BHA - 206		Location	1/4 <u>NW</u> 1	/4 <u>NE</u> Sec <u>26</u>	_Twn <u>25N_R 3E</u> or 
VELL CONSTRUCTION CERTIFICATION: 1 constructed and/or acce	pt responsibility for	Lat/Long (s,t,r	Lat Deg		Lat Min/Sec
enstruction of this well, and its compliance with all Washington well co	nstruction stand ards	still Required)	Long Deg		Long Mint Sec
A aterials used and the information reported above are true to my best kn	owledge and belief	Tax Parcel No.			
<b>O</b> X Driller Trainæ Name (Prim) <u>Elijah Floy</u> Driller/Trainæ Signature <u>Fin Floy</u>	oyd	Cased or Uncas	ed Diameter	31/2"	Static Level
Trainee License No	·	Work/Decommis	sion Start Date	7/27	/2011
If trainee, licensed driller's		Work/Decommis	sion End Date	7/28/	2011
Construction/Design	Well Data W	v11-4 <u>46</u>		Form	nation Description
The Department of Ecology does NO1 Warrant	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	1 . Z' ) 1" X 10 PVC N/A N/A 6' Bentowite C 7' 2/12 54, 1" X 5' ,010 PVC Pro 15' N/A N/A	FT	0 sitts san gravels, Di Sands 60 sea shalls 0 WATER RU	9' FT ds. Yor, Smell ry, light brown 15' FT 7, Small gravels Drege Fill, wet. FT FT FT UG 12 2011 MURCES-MAN
Scale 1" =		Page	of	- <b> </b>	ECY 050-12 (Rec=v 2/01)

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ESOURCE PROTEC	TION WELL	CURE	RENT 2			
BMIT ONE WELL REPORT PER V	VELL INSTALLED)	Notice	of Intent No. <u>Kt</u>	<u>_Kt06087</u>		
struction/Decommission	1121100	Å	Type of Well			
onstruction	76901	0 [	Resource Protectio	n		
ecommission ORIGINAL INSTAL	ATION Notice	[	Geotechnical Soil	Boring		
of Intent Number		Property Owner Port of S	eattle			
		Site Address 2001 Garfield	<u>St.</u>			
sulting Firm Kennedy/Jenks Co	nsultants-Federal Way	City Seattle	County <u>17-K</u>	ING		
ue Ecology Well ID	_	Location 1/4 NW	1/4 <u>NE</u> Sec <u>26</u> Twn	25N_R_3Eor		
No BHA - 207	<b>7</b>		Lot	WWM		
ONSTRUCTION CERTIFICATION: 1 constructed and/	or accept responsibility for	still Required) Long Deg	<i>L</i> at Lon	g Min/Sec		
tion of this well, and its compliance with all washington	best knowledge and helief	surrequired) cong bog _		<b></b>		
s used and the intermation reported above are a deriving		Tax Parcel No.				
iller Traince Name (Print)	Floyd	 Cased or Unosced Dismeter	31/2"	Static Level <b>9'</b>		
er/Frainee Signature er/Trainee License No2842	i loyd	_ Cased of Oncased Diameter	_ 1 L.			
		Work/Decommission Start Date	2/27/20	D[]		
tinee, licensed driller's	<u> </u>	Work/Decommission End Date	2/28/20	al l		
Construction/Design	Well Data	W11-446	Formation	Description		
		,	0.9	FT		
	Concrete Surface Se	, Z' FT	sitts sands	30'1 sm 11		
		1" × 10'	gravels UNCC,	usoildated,		
	Blank Casing (dia x d	PVC	loose, Dry light.	+ brown		
	Material					
	Backfill	<u></u>				
	Туре	_N/A	n <u>-</u> 20	)' FT		
	Seal	6'	Sande 61' -	nall estimate		
	Material	Bertonite chios	losse. wet, me	d giver		
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<u>ور الم</u>		0 1		
	Gravel Pack	FT		•		
	Material	2/12 sand				
			0 -	FT		
	Screen (dia x dep)	1" x 5'		<10 <sup>-</sup>		
		.010	AF.	LE LAN		
	Slot Size			どう。		
	Material	TVC The Pack		10 -		
		/S' FT	A	12 2011		
	Backfill	5'	17	X,		
		Rustavite chine	1.63	77.2000		
	Material	Terrior (Te (n.p)		AC IN		
V/////////////////////////////////////		<u></u> FF				

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FSOHDEF PROTECT		91-MW12	RENT	25-3E-26B
JBMIT ONE WELL REPORT PER WE	LL INSTALLED)	Notice	of Intent No.	RE06089
nstruction/Decommission	11-21-0-7	1	Type of Well	
Construction	42407	(	Resource Prote	ection
Decommission ORIGINAL INSTALLA	TION Notice		Geotechnical	Soil Boring
of Intent Number		Property Owner Port of S	eattle	
		Site Address 2001 Garfield	<u>St.</u>	47.10
onsulting Firm Kennedy/Jenks Consi	ultants-Federal Way	City <u>Seattle</u>	County	17-King EWM
hique Ecology Well ID		Location 1/4 <u>NW</u>	1/4 <u>NE</u> Sec <u>26</u>	Twn 25N R 3E or
IS NO BHA ~ 200	nent reconcibility for	Lat/Long (s.t.r Lat Deg		Lat Min/Sec
truction of this well, and its compliance with all Washington well	construction stand ards	still Required) Long Deg		Long Min/Sec
rials used and the information reported above are true to my best	knowledge and belief			
Deiller Troine Name (Print) Elijah Eli	ovd	Tax Parcel No.		
iller/Trainee Signature	Toyd	Cased or Uncased Diameter	3/z"	Static Level <u>7</u> ′
iller/Trainee License No 2842	£ .	Work/Decommission Start Date	z /z	7/2011
rainee, licensed driller's			- 100	
mature and License No.		Work/Decommission End Date		/2011
Construction/Design	Well Data V	V1 <u>1</u> -446	Forma	tion Description
	Concrete Surface Sea Depth Blank Casing (dia x dep Material Backfill Type Seal Material Gravel Pack Material	$\frac{Z'}{PVC}$ FT $\frac{N/A}{V/A}$ FT $\frac{K}{A}$ FT $\frac{K}{A}$ FT $\frac{K}{A}$ FT $\frac{K}{A}$ FT $\frac{K}{2}$ FT $\frac{7'}{2}$ FT $\frac{7'}{2}$ FT	0 sitts, san grevels, un losse, Dry 1. Sands 60: losse, wet, 0 -	9 FT cls, 30', sue ll iccussoildated, sht brown 20' FT small gravels Med grey FT
	Screen (dia x dep) Slot Size Material – Well Depth Backfill Material – Total Hole Depth	<u>1" X 5</u> <u>,010</u> <u>PK Pre Pack</u> <u>15'</u> <u>FT</u> <u>5'</u> <u>Bertowite chips</u> <u>20'</u> FT	WATER RES	CEI 12 2011 12 2011 URCTS

	91-MW13		25-3E-26B
<b>RESOURCE PROTECTION WELL</b>	REPORI CUR Notice	RENT of Intent No.	RE06089
		Time of Wall	
$= \frac{Construction/Decommission}{D} \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad$		Type of wen	staction
Construction		Geotechnical	Soil Boring
Decommission ORIGINAL INSTALLATION Notice	Property Owner Port of	Seattle	1 Soli Doring
	Site Address 2001 Garfie	d St.	
Consulting Firm Kennedy/Jenks Consultants-Federal Way	City Seattle	County	17-King
Unique Ecology Well ID	Location 1/4 <u>NW</u>	_1/4 <u>NE _</u> Sec <u>26</u>	Twi 25NR 3Eor www.
Гад No ВНА 207	– Lat/Long (st.r. Lat Deg		Lat Min/Sec
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for	still Required) Long Deg	<u> </u>	Long Min/Sec
instruction of this web, and its compliance with an washington web construction static and a state of the second share and belief	Since (1997) 5 0		
	Tax Parcel No.		
Driller/Trainee Signature Flight Floyu	Cased or Uncased Diameter		Static Level
Driller/Trainee License No	Work/Decommission Start Date	7/27	/2011
If traince, licensed driller's	- Work/Decommission End Date	7/28/	2011
Signature and Elective Proc.         Well Data	IJ ₩11-446	Forn	nation Description
Concrete Surface Se	al 🚽	0	- <u>9</u> ′FT
Depth	FT	sitts san	ds. Yor, small
Blank Casing (dia x d	ep) <u>1" X /0</u>	gravels, D	ry, light brown
5 Material	PVC		
Backfill	<u></u> FT		
Туре	N/A		165
	<u> </u>		<u>-   2</u> FT
		Sends 60	7, small gravels
5 Material	BENTON , te Chips	Sur Suciis	, vigerici, ach
Gravel Pack	_7′ft		
5 Material	2/12 sand		
		0	- FT
Screen (dia x den)	1" × 5 '		CDr.
Slot Size	,010		the states and the states of t
5 Material	PVC Pre Pack		
	 15′ гт		<sup>6</sup> 12 2011
Backfill	NA	1 B	No. 1
Material	N/A	100	URCES -
Total Hole Depth	<u></u> ft		
Scale 1" =	Page of		EC Y 050-12 (Rec=v 2/01)

DUB38-3	

<b>RESOURCE PROTECTION</b>	WELL REPORT
(OT UD) (THE OTHER THE OTHER T	

C	No	otice of Intent No.	RE10695		
Construction/Decommission		Type of Well			
[X]Construction		X Resource Prot	ection		
Decommission ORIGINAL INSTALLATION Notice		Geotechnical	Soil Boring		
of intent Number	Property Owner	Port	of Seattle		
Consulting Firm Landon Associator	Site Address	2001 W	Garfield St		
Danual Associates	City Seattle	e County	King		
Unique Ecology Well ID Tag No. $BIO - 905$	Location 1/4 N	W 1/4 SE Sec 26	TWN 25N R 3E or		
WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for	Lat/Long (str Lat Deg		WWM		
construction of this well, and its compliance with all Washington well construction standards	still Required) Long De	<u>x</u>	Lat Min/Sec x		
Materials used and the information reported above are true to my best knowledge and belief	entry staden on a stang i be	·6 <u>×</u>	Long Min/Sec x		
	Tax Parcel No.				
X Driller Trainee Name (Print) Kasey Goble					
Driller/Tramee Signature54M	Cased or Uncased Diamet	ter <u>214"</u>	Static Level 4		
Driller/Trainee License No. 2501					
If trainee, licensed driller's	Work/Decommision Start	Date	12/1/14		
Signature and License No			.1.1		
	Work/Decommision End .	Date lo	2/1/14		
Construction/Design y	Vell Data 103-14-1518	Forma	ian Description		
Concrete Surface So Depth Blank Casing (dia x do Material Backfill Type Seal Material	eal <u>1</u> FT cp) <u>3/4 "x 2'</u> <u>BVC</u> <u>V2</u> FT <u>BENJTONITE</u> <u>CHIPS</u>	0 - FILC DARY BROW	2 FT 12 FT wan 2 GREY		
		SILTY :	SAND -		
Gravel Pack	/0½ FT	,			
Material	alia Samo				
		0 ~	FT -		
Screen (dia x dep)	3/4" × 10'				
Slot Size	010				
	Au Car Curt				
	TVL THE FACE				
Well Depth	<u> </u>	REC	EIVED		
Backfill					
Material		'JAN	20 2015		
Total Hole Depth	/ <i>∂</i> FT	DEPT OI	F ECOLOGY		
cale 1" =	Page of		FON OSO 10 /D		

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DUB38-4	
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## **RESOURCE PROTECTION WELL REPORT**

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)		EPORI	CUF Notic	RRENT e of Intent No.	RE10695		
Construction/Decommission				Type of Well		· · · · · · · · · · · · · · · · · · ·	
X Construction				X Resource Pro	tection		
Decommission ORIGINAL INSTALLA	TION Notice			Geotophics	Soil Darian	2	
of Intent Number	non nonce	Property Owner	r	Geotecnnical	Soll Boring		
		Site Address		2001 W	V Garfield St		
Consulting Firm Landau Associate	5	City	Seattle	County	King		
Unique Ecology Well ID Tag No. BIO	- 903	Location	1/4 NW	1/4 SE Sec 26	TWN 25N R	EWM 3E or	
WELL CONSTRUCTION CERTIFICATION: I constructed an	d/or accept responsibility for	Lat/Long (s.t.r	Lat Deg	¥	Lat Min/Sec	WWM	
construction of this well, and its compliance with all Washingto	n well construction standards	still Required)	Long Deg	- <u>*</u>	Long Min/Sec		
Materials used and the information reported above are true to m	v best knowledge and belief				Long Mill Sec		
	y out the medge and bench	Tax Parcel No.					
X Driller Trainee Name (Print) Kasey	Goble				Y construction of the se-		
Driller/Trainee Signature 74	1h	Cased or Uncase	ed Diameter	<i>214</i> "	Static Level	4'	
Driller/Trainee License No.	2501				. / /		
ICardina II. I I IV.	······	Work/Decomm	ision Start Da	te	12/1/14		
If trainee, licensed driller's							
Signature and License No.		· Work/Decomm	ision End Dat	e/	2/1/14		
Construction/Design	Well	Data 103-1	4-1518	Form	/		
	1	<u>Dulu 105-1</u>	4-1510	1011	ation Description		
	Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type Seal Material	1 3/4 " x 2 9VC 1/2  BENJTON CHIPS	FT	0 - File DARE BE SILTY	2 - - - - - - - - - - - -	FT T	
	Gravel Pack Material		FT 	0 -		FT	
	Screen (dia x dep)	3/4" × 10	<u>&gt;'</u>				
	Slot Size	010					
	Material	PVC PRE	PACK		RECEN	/ED	
	Well Depth	12	FT				
	Backfill				JAN 202	2015	
	Material	,		DI	EPT OF ECO	DLOGY	
	Total Hole Denth	12	FT		NWRO - 1	NR	
	copin	10					
Scale 1" =	Р	age	of	·····	ECY 050-12 (F	Rec≂v 2/01)	

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

(SUBMIT ONE WELL REPORT PER W	TIUN WELL F	CEPURI	CUR	RENT of Intent No.	REI	0695
Construction/Decommission	,		Houce	Type of Well		
X Construction			1	X Resource	Protection	
Dccommission ORIGINAL INSTALL	ATION Notice		Í	Geotechni	cal Soil Boring	
of Intent Number		Property Owne	r	Р	ort of Seattle	
Consulting Firm Landau Associa	tes	Site Address City	Seattle	<u>200</u>	1 W Garfield St	
Unique Ecology Well ID Tag No. BID - 906		Location	1/4 <u>NW</u>	1/4 SE Sec	26_TWN_25N_R	EWI
VELL CONSTRUCTION CERTIFICATION: I constructed	and/or accept responsibility for	Lat/Long (s,t,r	Lat Deg	X	Lat Min/Sec	ww
onstruction of this well, and its compliance with all Washing	ton well construction standards	still Required)	Long Deg	x	Long Min/Sec	x
laterials used and the information reported above are true to	my best knowledge and belief	Tax Parcel No.				
riller/Trainee Signature riller/Trainee License No.	2501	Cased or Uncas	ed Diameter	214"	Static Level	<u> </u>
trainee, licensed driller's	<u> </u>	Work/Decomm	ision Start Date		12/1 14	
ignature and License No.		Work/Decomm	ision End Date		12/1 /100	
Construction/Design		D. 102.1	1 1 5 1 0		<u> </u>	
Construction Design	wen	Data 103-1	4-1518	Fe	ormation Description	on .
	Concrete Surface Seal Depth	1	FT	0	- 2 Free	FŢ
	Blank Casing (dia x dep)	<u> </u>				
	Material	<u>YVC</u>			x	
	Backfill		FT			
	Туре			0 2	8	PT
	Scal	BENTONIN	٤	O L	- 0	FI
	Material	CH125		YANLE D	hown of necy	
				SAND	y sit	
	- Gravel Pack	<u> </u>	FT			
	Material	- 2/12 SAND				
	-			0	-	FT
	Screen (dia x dep)	34" × 5				
	Slot Size	610				
	Material	AL PRE PA	UK			
		8	FT		KECEIV	ED
	Backfill				JAN 2020	15
	Material		_	D	EPTOFECO	OCY
	- Total Hole Depth	\$	FT	-	NWRO-W	R

DUB38-6

# **RESOURCE PROTECTION WELL REPORT**

(SURMIT ONE WELL DEDODT DED U	TION WELLI	KEPORT	CUR	RENT		
Construction (D	ELL INSTALLED)		Notice	e of Intent No.	RE	0695
V Construction/Decommission				Type of Well		
X Construction				X Resource Pro	tection	×
Decommission ORIGINAL INSTALL	ATION Notice			Geotechnical	Soil Boring	
of ment Number		Property Owne	er	Port	of Seattle	a a constant
Consulting Firm Landau Associa	tae	Site Address	0	2001 W	Garfield St	
		City	Seattle	County	King	
Unique Ecology Well ID Tag NoBIC	) - 904	Location	1/4 <u>NW</u>	1/4 SE Sec 26	TWN 25N R	3E or
WELL CONSTRUCTION CERTIFICATION: 1 constructed	and/or accept responsibility for	Lat/Long (s.t,r	Lat Deg	x	Lat Min/Sec	x
construction of this well, and its compliance with all Washing	ton well construction standards	still Required)	Long Deg	<u>x</u>	Long Min/Sec	x
Materials used and the information reported above are true to	my best knowledge and belief	T D IN				
X Driller Trainee Name (Print) Kase	v Goble	Tax Parcel No.			,	
Driller/Trainee Signature	in	Cased or Uncas	ed Diameter		Statia Land	4'
Driller/Trainee License No.	2501		eu Diameter	<u>aiq</u> _	Static Level	/
	······································	Work/Decomm	ision Start Dat	e	12/1/14	
If trainee, licensed driller's						
Signature and License No.		Work/Decomm	ision End Date	· /a	2/1/14	
Construction/Design	Wall	Doto 102 1	4 1510		17	
		Data 103-1	4-1518	Form	ation Description	on
	Concrete Surface Seal Depth Blank Casing (dia x dep) Material Backfill Type	 	FT	0 - Fice	<u>2</u> 12	FT
	- Seal	DENTON	ITE	Doer Ber	A GRE	$\sim$
	Material	CHIPS		worke per	SAND -	1
		10.11		SILTY	JA-00 -	
	- Gravel Pack	102	FT			
	Material	alia SA	NO			
	_			٥		
	Screen (dia x dep)	3/4" × 10	<u>&gt;'</u>		•••••••	r I
	Stot Size	010				
	Material	Que 00-	0		13FAF	
	Materia	TVL TRE	MALL		RECE	VED
	Well Depth	12	FT			
					<b>JAN 20</b>	2015
	Backfill .			DI	EDT OF	
	Material	· · · · · · · · · · · · · · · · · · ·		0	NWRO	OLOGY
///////</td <td>- Total Hole Depth</td> <td>12</td> <td>FT</td> <td></td> <td></td> <td>VVIX</td>	- Total Hole Depth	12	FT			VVIX
and the second sec						

Attachment C – Variance Request Approval Letter from Ecology dated July 26, 2024



### STATE OF WASHINGTON DEPARTMENT OF ECOLOGY Northwest Region Office

PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

July 26, 2024

Port of Seattle c/o Jamalyn Green, Project Manager AECOM Technical Services, Inc. 1111 3rd Avenue, Suite 1600 Seattle, WA 98101

Email: jamalyn.green@aecom.com

RE: Variance request from Washington Administrative Code (WAC) 173-160-460. The property address is 2001 W Garfield Street, Seattle, in the SW ½ SE ½ of Section 23, Township 25 North, Range 03 East, W.M., on Tax Parcel 7666201530 in King County.

Dear Jamalyn Green:

The Department of Ecology (Ecology) received your 8 variance requests via email June 21, 2024. Each request represents one well at the same site. They are compiled into one request and the decision for each presented in tabulated form below.

The request states strict compliance with WAC 173-160-460, which details decommissioning standards for resource protection wells, is impractical for various reasons. In every case, access is cited as the reason for the variance, and you propose filling the casing with 100% bentonite chips from the bottom of the well to land/pavement surface.

The variance you requested to WAC 173-160-460 for each well, and the resulting decision for each request, is shown in the following table, in accordance with WAC 173-160-106.

Well Name	<b>Reason for request</b>	Variance Status	Reason for denial
SHFLL_W2	Access restricted	Denied	Access gained by concrete block removal
SHFLL_W3	Access restricted	Denied	Access gained by concrete block removal
SHFLL_W4A	Access restricted	Granted	
SHFLL_W4B	Access restricted	Granted	
SHFLL_W4C	Access restricted	Denied	Access gained by concrete block removal
SHFLL_W7A	Access restricted	Granted	
SHFLL_W7B	Access restricted	Granted	
SHFLL_W7C	Access restricted	Granted	

Port of Seattle c/o Jamalyn Green, Project Manager AECOM Technical Services, Inc. Variance

Those variances granted to decommission the wells by filling with 100% bentonite chips **expire December 31, 2024,** and are granted only for decommissioning of the resource protection wells in the manner and location referenced in the variance request. Any licensed resource protection well driller can execute the decommissioning of the wells according to the variance request, subject to the provisions listed below:

- 1. A "Notice of Intent to Decommission a Well" and fees shall be submitted to Ecology at PO Box 47611, Olympia, WA, 98504-7611.
- 2. All other minimum construction standards found in WAC 173-160 shall be followed to prevent degradation of the groundwater resource.
- 3. A well report containing the details required by WAC 173-160-141 shall be submitted to Ecology at PO Box 330316, Shoreline, WA 98133, within 30 days of completion of work on the well. Attach a copy of this variance to the well report.
- 4. With the exception of the specific provisions set forth (above) in this variance, all federal, state, and local requirements shall apply.
- 5. This variance **expires December 31, 2024**. After this date, approval of a new request for variance or an extension must be requested in writing for the work proposed.

Your attention to these laws and regulations and cooperation with the Department of Ecology in this matter is appreciated. Please contact Noel S. Philip at (206) 594-0195 or at noel.philip@ecy.wa.gov if you have any questions concerning this variance.

### Your right to appeal

You have a right to appeal this decision to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt. The appeal process is governed by chapter 43.21B RCW and chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal, you must do all of the following within 30 days of the date of receipt of this decision:

- File your notice of appeal and a copy of this decision with the PCHB (see filing information below). "Filing" means actual receipt by the PCHB during regular business hours as defined in WAC 371-08-305 and -335. "Notice of appeal" is defined in WAC 371-08-340.
- Serve a copy of your notice of appeal and this decision on the Department of Ecology by mail, in person, or by email (see addresses below).

You must also comply with other applicable requirements in chapter 43.21B RCW and chapter 371-08 WAC.

Port of Seattle c/o Jamalyn Green, Project Manager AECOM Technical Services, Inc. Variance

### Filing an appeal

### Filing with the PCHB

For the most current information regarding filing with the PCHB, visit: <u>https://eluho.wa.gov/</u> or call: 360-664-9160.

### Service on Ecology

### **Street Address:**

Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503

### Mailing Address:

Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608

### **E-Mail Address:**

ecologyappeals@ecy.wa.gov

### **More information**

- <u>Pollution Control Hearings Board Website</u> https://eluho.wa.gov/
- <u>Chapter 43.21B RCW Environmental Hearings Office Pollution Control Hearings</u> <u>Board</u>
  - http://apps.leg.wa.gov/RCW/default.aspx?cite=43.21B
- <u>Chapter 371-08 WAC Practice And Procedure</u> http://apps.leg.wa.gov/WAC/default.aspx?cite=371-08
- <u>Chapter 34.05 RCW Administrative Procedure Act</u> <u>http://apps.leg.wa.gov/RCW/default.aspx?cite=34.05</u>
- <u>Ecology's Laws, Rules & Rulemaking</u>
   <u>https://www.ecology.wa.gov/About-us/How-we-operate/Laws-rules-rulemaking#ws</u>

### Americans with Disabilities Act information

### Accommodation Requests

To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 360-407-7668 or visit https://ecology.wa.gov/accessibility. People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.

Port of Seattle c/o Jamalyn Green, Project Manager AECOM Technical Services, Inc. Variance

DATED this <u>26<sup>th</sup></u> day of <u>July</u>, 2024, at Shoreline, Washington.

Sincerely,

Kasey Cykler Section Manager Water Resources Program Northwest Region Office

ecc: Noel S. Philip, LHG, Well Construction Coordinator Paul Kalina, AECOM Jaylyn Buckley, Port of Seattle