JENNIFER M. BELCHER Commissioner of Public Lands

September 30, 1997

Tammy Hall WDOE Southwest Region Toxicx Cleanup PO Box 47775 Olympia, WA 98504-7775

Dear Tammy:

RE: DNR - WEBSTER NURSERY PROJECT UPDATE

Enclosed are the results of the Department of Natural Resource's (DNR) sampling study conducted this past June 25 and 26. Also, enclosed is a table of chemicals formerly stored at the chemical warehouse and a summary list of all public concerns with DNR responses.

Table 1 presents a sample collection matrix of the <u>test methods</u> for all well locations sampled. Each test method is listed across the top of the table (507, 508 etc.).

- Test methods for residential wells are included under the category "Private Wells." The middle four digits of the coded sample number correspond to a resident's address. Note that one private well sample was lost during Federal Express shipment to the analytical laboratory. Also note, five of eleven private wells (located to the north of DNR property) were sampled for methods 507 and 515 (a total of 21 chemicals). These two pesticide methods include chemicals previously detected in two of DNR's northern-most monitoring wells (Picloram, Bromacil, Atrazine). Residences closest to the former underground storage sump that leaked, received sampling for all chemicals known to have been stored in the adjacent warehouse (a total of 47 chemicals).
- Test methods for DNR monitoring wells are shown under the category "Monitoring Wells." Note that five DNR monitoring wells are shown in this table even though only four wells exist (MWT-1 through MWT 4). MWT 5 is a sample code applied to a duplicate sample of MWT 2. Duplicate samples are used in sampling studies as a quality control check on the laboratory. The duplicate samples concentration should be a reasonably close match to the project sample concentration.
- <u>Test methods for DNR's water supply well</u>, located on Lathrop Industrial Drive, are shown under the category "Public Supply Wells."



Tables 2 through 6 present sample results for private wells, monitoring wells, and the public water supply well for all pesticides identified in Table 1. An "ND" indicates that each pesticide analyzed, was not detected in the well water. Numerical values indicate the concentration in micrograms per liter (or parts per billion) for a detected pesticide in water. Additional notes may be found at the bottom of each table.

Table 7 presents sample results for Thurston County's "split" samples collected for three of the seventeen wells DNR sampled. A split sample is collected by oversight agencies for comparison to the results of the project samples (the project samples in this case are the DNR collected samples). Typically, two split samples are collected per twenty project samples; however, DNR and Thurston County agreed to sample one additional location to provide additional quality control of the data.

Figure 1 presents a location map of all the wells sampled and well location codes.

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Figure 2 presents a groundwater contour map, indicating general groundwater flow direction. The figure is based on data from a groundwater elevation study conducted as part of the June sampling study.

The enclosed warehouse chemicals list contains all known pesticides stored in the warehouse between 1978 to 1982. This was the time period when the leaking concrete underground sump was installed and removed. It is the only time pesticides could have been released at the former sump location. Following that four year period, a metal tank replaced the concrete tank. Upon removal, the metal tank was observed to be free of corrosion or other signs of leakage. The metal tank existed from 1982 to the end of 1995.

The enclosed public concerns list was generated from residents input during the first three public meetings. This updated version, groups similar concerns together to avoid repetitive responses. DNR has retained the original comment numbers previously released to the public; therefore, the comments do not appear in chronologic order.

In summary, the enclosed results of the June 1997 DNR groundwater sampling study show that no chemical pesticides were detected in any residential well or the Lathrop Industrial Drive water supply well (the Nursery's water supply). However, pesticides were detected in three of four DNR monitoring wells, located directly adjacent to the former pesticide sump. This was expected, as previous sampling studies found similar concentrations of pesticides at these wells. Further, water level measurements indicate that the shallow groundwater flow direction is west to northwest, toward the Nursery site, as previously concluded by DNR. Finally, the DNR laboratory control samples and Thurston County split sample results show a good correlation to the DNR project sample results. These results indicate that the collected data is verifiable. At this time the complete data results report is being prepared for submittal to the State Department of Ecology and Thurston County.

If questions arise concerning this update, feel free to call me at (360-664-2884) for additional information.

Sincerely,

Tony Ramirez

Nursery Program Manager

JF/jvb

Enclosures (3)

GROUNDWATER INVESTIGATION SAMPLING PROGRAM WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES JUNE 1997

	1							A	ъ						
	Number	507	508	515	531	402	549	548	547	630	131	M1°	M2°	M3°	M4°
Private Wells															
	RW-3215-D01	X		X											
	RW-9200-D01	X		X		•									
	RW-3111-D01	X		×											
-	RW-3513-D01	X		×											
_	RW-9401-D01	X		X	-										
te.	RW 9824 D01 ^d	×	*	*	×	ж	*	*	*	*	×	*	*	*	ж
	RW-9906-D01	X	X	X	X	X	X	X	X	X	X	X	×	×	×
	WS-9636-D01	X	X	X	X	X	X	X	X	X	×	×	×	×	×
	RW-9530-D01	X	X	X	X	X	X	×	×	x	x	×	×	×	X
R	RW-10031-D01 °	X	X	X	X	×	X	×	×	×	×	×	×	×	×
I	RW-9636-D01	X	Х	X	X	X	Х	X	X	×	×	×	×	×	×
R	RWS-9900-D01	X	X	×	X	×	×	×	×	×	×	×	×	×	X
Monitoring Wells	Wells														
	MWT-1-D01	X	X	X ·	X	X	X	X	Х	×	×	×	×	×	×
	MWT-2-D01	×	×	×	×	×	×	X	X	×	×	X	×	×	×
	MWT-3-D01	X	×	×	×	×	×	×	×	×	×	×	×	×	×
	MWT-4-D01	X	×	×	X	×	×	X	Х	×	×	×	×	×	×
	MWT-5-D01	х	×	×	×	×	x	X	X	×	X	×	×	×	×
Public Sup	Supply Wells														
PW	PW-LATHROP-D01	X	Х	×	×	×	×	×	×	×	×	×	×	×	×
Notes:															
a RW-d	RW- denotes a residential or privately-owned well, MWT- denotes a monitoring well, PW- denotes a public water supply well, and	ly-owned v	well, MWT-	denotes a	monitorin	g well, PW	- denotes a	public wat	ter supply		01 indicate	es first sam	D01 indicates first sampling round by DNR	by DNR	
b EPA 1	EPA methods unless otherwise noted	р.				,									
e M1	Method to determine amitrole is a published method to be validated by the laboratory for this compound	role is a pul	blished met	hod to be	validated by	y the labor	atory for th	is compou	nd						
<u>Z</u>	Method to determine fenaminosulf is a published method to be validated by the laboratory for this compound	minosulf is	a published	d method to	o be valida	ted by the I	laboratory:	for this con	npound						
M3	Method to determine fosamine ammonium is a published method to be validated by the laboratory for this compound	nine ammo	nium is a p	ublished n	nethod to b	e validated	l by the lab	oratory for	this comp	ound					
M4	Method to determine methanearsonic acid is a published method to be validated by the laboratory for this compound	anearsonic	acid is a pı	ublished m	ethod to be	validated	by the labo	pratory for	this compo	und					
d Sampi	Sample was collected but was lost during shipping	turing shipp	ing	÷											
e MS/M	MS/MSD (matrix spike/matrix spike duplicate) aliquot was collected at 10031 Blomberg Street.	e duplicate)	aliquot wa	is collected	l at 10031]	Blomberg :	Street.								
f Field	Field duplicate collected at MWT-2.	•													

TABLE 2 SUMMARY OF ANALYTICAL RESULTS FOR EPA METHOD 508 DETERMINATION OF CHLORINATED PESTICIDES IN WATER WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES JUNE 1997

Notes:	MTCA Method B Cleanup Levels	Maximum Contaminant Levels (MCLs) ^b	Practical Quantitation Limit	PW-LATHROP-D01	Public Supply Well	MWT-5-D01	MWT-4-D01	MWT-3-D01	MWT-2-D01	MWT-1-D01	Monitoring Wells	RWS-9900-D01	RW-9636-D01	RW-10031-D01	RW-9530-D01	WS-9636-D01	RW-9906-D01	RW-9401-D01	RW-3513-D01	RW-3111-D01	RW-9200-D01	RW-3215-D01	Private Wells	Sample Number ^a	
	-) ^b	0.010	QN N		UN	ďΝ	UN.	an	UN .		ND	ND	ND	ND	ÜŇ	ÜŅ	A/N	A/N	A/N	N/A	N/A		Dichlobenil	
	-	1	0.020	Ä		UN	ND	Ä	Ä	N		ND	ŬŇ	Ä	ND	Ŋ	ΨÑ	N/A	N/A	N/A	A/N	N/A		Etridiazole	1
	0.019	0.400	0.005	Ä		0.291	ND	0.026	0.132	Ä		ND	ND	ND	ΠN	ND	Ä	N/A	N/A	N/A	N/A	N/A		Heptachlor	
	0.009	0.200	0.005	ND		1.38 D	0.055	1.77 D	0.927 D	MD		ND	ND	ND	ND	MD	ND	N/A	N/A	N/A	N/A	N/A		Heptachlor epoxide	
	0.067	2.00	0.005	ÜN		0.073	ND	0.028	0.020	Ä		Ŋ	ND	ďΝ	ND	ND	UN	N/A	.N/A	N/A	N/A	N/A		gamma Chlordane	
	0.067	2.00	0.005	ND		0.025	M	0.009	0.005	ND		ND	ND	ND	MD	Ä	ÜŇ	N/A	N/A	N/A	N/A	N/A		alpha Chlordane	ΕP
	-	ı	0.010	ND	斯斯凯斯斯	ND	ND	UN	ND	Ŋ		ND	UN	MI	ND	ND	AB	N/A	N/A	N/A	N/A	N/A		Endosulfan	EPA Method
	0.08		0.020	ND		ND	ND	MD	UN	ÜŅ		Ä	ND	UD	UN	ΩN	ND	N/A	N/A	N/A	N/A	N/A		Oxadiazon	508 (µg/L)
	25.0	-	0.020	ND		ND	Ą	Ä	ND	ND.		Ä	Ν̈́D	UND	ΝD	ΩN	ÜŃ	N/A	N/A	N/A	N/A	N/A		Captan)
	4.80	2.00	0.010	ND		ND	UN	ND	Ä	ÜN		ğ	Ŋ	ND	ND	ŇĎ	UN	N/A	N/A	N/A	N/A	N/A		Endrin	
	96.0	**	0.010	AD		ND	¥	¥	ND	ΝĐ		ND ND	Ä	ND	ND	ND	AB	N/A	N/A	N/A	N/A	N/A		Endosulfan II	
	-	1	0.010	ND		ND	¥	¥	UN	GN		J	Ą	MD	ND	ND	A	N/A	N/A	N/A	N/A	N/A		Endosulfan Sulfate	
	-		0.020	ND		ND.	A	ğ	ND	ďN		Ŋ	ğ	Ą	ð	ND	Ą	N/A	N/A	N/A	N/A	N/A		Bifenox	
	0.011	0.500	0.100	ND		Ä	Ą	Ą	Ŋ	Ð		ğ	Ą	Ą	Ą	Ä	Ą	N/A	N/A	N/A	N/A	N/A		PCBs	

Notes:

- RW-denotes a residential well, MWT-denotes a monitoring well, and PW-denotes a public water supply well; D01 indicates sample was collected during the first round of sampling by DNR
- National Primary Drinking Water Regulations (40 CFR 141) Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as published by the EPA Office of Water, October 1996.
- The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown.
- Not analyzed for
- ⊥g/L Micrograms per liter
- D Sample required dilution to bring analyte peak into calibration range of instrument
- ND Not detected at or above the practical quantitation limit
- Bold Indicates evaluation criteria exceedance

DETERMINATION OF NITROGEN- AND PHOSPHORUS-CONTAINING PESTICIDES IN WATER WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES SUMMARY OF ANALYTICAL RESULTS FOR EPA METHOD 507 **JUNE 1997** TABLE 3

Notes:	MTCA Method B Cleanup Levels	Maximum Contaminant Levels (MCLs) ^b	Practical Quantitation Limit	PW-LATHROP-D01	Public Supply Well	MWT-5-D01	MWT-4-D01	MWT-3-D01	MWT-2-D01	10G-I-TWM	Monitoring Wells Wel	RWS-9900-D01	RW-9636-D01	RW-10031-D01	RW-9530-D01	WS-9636-D01	RW-9906-D01	RW-9401-D01	RW-3513-D01	RW-3111-D01	RW-9200-D01	RW-3215-D01	Private Wells	Sample Number ^a	The state of the s
	0.729	4.00	1.00	ND		0.330 J	ND	A	0.640 J	¥		ND	M	Ä	M	UN	ND	ŅD	MN	ŒN	AN	AN		Simazine	
	0.398	3.00	1.00	Ä		ND	ND	UN	ND	Ŋ		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		Atrazine	
	1,200	19	2.00	ND		ND	N)	UN	ND	ND		ŊŊ	ND	QN.	ND	ND	ND	ND	ND	UN	ΔN	AN C		Pronamide	
1	ī	-	1.00	ŅD		ND	ND	QN	ND	ŅD		NID	ŒN	ND	ND	ND	ND	ND	ND	MD	ŒŇ	ND		Simetryn	
	-		1.00	ND		ND	Ä	ND	ŅD	ND		ð	Ą	ND	ND	ND	Ä	MD	ND	Ŋ	Ą	ND		Prometryn	
	960	***	5.00	ND		Ň	Ą	M	ND	ND		Ä	ND	M	ND	ND	ND	ND	ND	ND	Ð	MD		Metalaxyl	EPA Method
	-	•••	2.00	ND		ND	Ą	Ä	UN	MD		Ä	M	M	Ą	ND	¥	ND	ND	ND	Ŋ	UN		Terbutryn	.od 507 (μg/L)
	-		5.00	Ä		ND	ä	Ð	ND	ND		IJ	ND	ND	N	ND	¥	ÜŅ	¥	ND	N N	Ä		Bromacil	% (L)
	320	-	2.00	Ą		Ä	ğ	Ä	ND	ŒN		ND	Ä	ND	Ą	ŅD	Ą	ND	ND	ND	ND	ND		Malathion	
	48.0	1	2.00	ð		UN	Ą	Ä	ND	ND		N	Ŗ	S	ND	ND	Ą	UD	ND	ND	Ŋ	AD.		Chloropyrifos	
:	480	1	2.00	Ä	超關網網網	ğ	Ą	Ą	Ä	Ä		Ä	Ą	Ą	Ä	Ŋ	Ä	Ä	Ą	¥	¥	Ð		Diphenamid	
		1	10.0	ND		ΝĐ	Ä	N	ND	ND		Ä	ND	ND	ND ·	Ü	Ŋ	ND	NĐ	Ä	Ä	ND ND		Azinphos- methyl	

- RW- denotes a residential well, MWT- denotes a monitoring well, and PW- denotes a public water supply well; D01 indicates sample was collected during the first round of sampling by DNR
- National Primary Drinking Water Regulations (40 CFR 141) Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as published by the EPA Office of Water, October 1996.
- The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown.
- The associated value is an estimate
- Not analyzed for
- Micrograms per liter
- Sample required dilution to bring analyte peak into calibration range of instrument
- Not detected at or above the practical quantitation limit

TABLE 4 SUMMARY OF ANALYTICAL RESULTS FOR EPA METHOD 515 DETERMINATION OF CHLORINATED ACIDS IN WATER WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES JUNE 1997

MICA Method B Cleanup Levels 480 480 160	400	Maximum Contaminant Levels (MCLs) ^c 200 70.0	Practical Quantitation Limit ^b 0.625 0.063 0.250-2.50 ^b 0.188-1.88 ^b	PW-LATHROP-D01 ND ND ND ND	MWT-5-D01 ND ND ND 6.71 D	ND ND	ND 0.462	MWT-2-D01 ND ND ND 6.70 D	MWT-1-D01 DN DN ND ND	RWS-9900-D01 ND ND ND ND	ND		ND	WS-9636-D01 ND ND ND ND		RW-9401-D01 ND ND ND ND	RW-3513-D01 ND ND ND ND	RW-3111-D01 ND ND ND ND	RW-9200-D01 ND ND ND ND	RW-3215-D01 ND ND ND ND	Pivac yelf the residual to the second of the	Dalapon Dicamba Dichlorprop	
0.729			.88 ^b 0.063	ND	_		O ND		ND	ND	ND ND	ND	ND	dN	dN	dN	AN I	UN ND	din	N N		Pentachloro- phenol	EPA Method 515 (µg/L)
		-	0.313-3.13 ^b	- ND	35.0 D	13.4 D	36.3 D	36.3 D	ND	Ä	A	ND	ŊŊ	ďN	ÜŇ	UN	MD	ND	ND	ND.		Triclopyr	5 (μg/L)
\$2.1	120	50.0	0.063	ND	6.56 D	1.48 D	7.19 D	6.63 D	ND	NB NB	Ä	ND	NB	ÄŇ	Ä	AN	ND	ND	ND	Ä		2,4,5-TP	
190		-	0.050	ND —	97.4 D	2.48 D	75.0 D	77.7 D	ND	ND	Ä	ND	ND	αN	AN.	Ŋ	Ä	AB	AB	Ğ		2,4,5-T	
1,120	1 130	500	0.063	ND	ND	ND	0.187	0.105	ND	AR.	Ą	ND	ND	ND	Ä	ND	ND	NB	ND	ND		Picloram	

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- RW- denotes a residential well, MWT- denotes a monitoring well, and PW- denotes a public water supply well; D01 indicates the sample was collected during the first round of sampling by DNK
- The practical quantitation limit = range in laboratory reported values
- Ö National Primary Drinking Water Regulations (40 CFR 141) - Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as published by the EPA Office of Water, October 1996.
- Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown. The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup
- The sample was diluted to bring the analyte peak, or in some cases an interfering peak, into the calibration range of the instrument

μg/L Micrograms per liter

ND Not detected at or above the practical quantitation limit

SUMMARY OF ANALYTICAL RESULTS FOR EPA METHODS 531, 402, 549, 548, 547, 630, AND 131 WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES **JUNE 1997**

Notes: a RW- denotes a residential well, MWT- denotes a monitoring well, and PW- denotes a public water supply well; D01 indicates	MTCA Method B Cleanin Levels	Maximum Contaminant Levels (MCLs) ^d	Practical Quantitation Limit	PW-LATHROP-D01		MWT-5-D01	MWT-4-D01	MWT-3-D01	MWT-2-D01	MWT-1-D01	Monitoring Wells	RWS-9900-D01	RW-9636-D01	RW-10031-D01	RW-9530-D01	WS-9636-D01	RW-9906-D01	RW-9401-D01	RW-3513-D01	RW-3111-D01	RW-9200-D01	RW-3215-D01		Sample Number ^a	
ring well, and PV	1 600	1	4.00	ND	经 国际的	ND	ND	ND	· ND	AB		ND	ND	ND	ND	N/A ^b	ND	N/A	A/N	N/A	A/N	A/N	網路與關門的影響	Carbaryl by EPA Method 531	
V- denotes a publi	008	1	100	ND		ND	ND	ND	ND	ÜŅ		ND	ND	ND	. ND	ND	ND	N/A	N/A	N/A	N/A	N/A		Benomyl by EPA Method 402 (as Carbendazem)	
c water supply we	352	20.0	1.00-1.57°	ND		ND	ND	ND	UN	ND		ND	ND	ND	ND	ND	dN	A/N	N/A	N/A	A/N	A/N		Diquat by EPA Method 549	
ell; D01 indicates	72.0	1	1.82-2.86°	ND		ÜN	ND	ND	ND	ND		Ä	ND	ND	ND	ND	ND	N/A	N/A	N/A	A/N	A/N		Paraquat by EPA Method 549	Analysis
sample was coll	320	100	75.0	ND.	排作的异性的现在形式。 第一个	ND	UN	ND	ND	ND		ND	ND	ND	ND.	ND	ND	N/A	N/A	N/A	N/A	N/A		Endothall by EPA Method 548	; (μg/L)
ected during firs	1.600	700	100	ND		ND	UN	ND	ND .	UN		ND	ND ·	ND.	ND .	ND	an	N/A	N/A	N/A	N/A	N/A		Glyphosate by EPA Method 547	
sample was collected during first round of sampling by DNR	80.0		5.00	ND	hachtehebberese	ND	ND	ND NO	ND	ND		Ä	ND	Ą	ND	N	ND	N/A	N/A	N/A	N/A	N/A		Mancozeb & Thiram by EPA Method 630 (as Ziram)	
ng by DNR	-	1	2.00	UN		ND	ND	Ä	ND	ND		N)	ND UN	Ŋ	ð	ND	· ND	N/A	N/A	N/A	N/A	N/A		Methyl Isothiocyanate by EPA Method 131	

Aliquot for carbaryl analysis was lost during shipping so was not analyzed

The practical quantitation limit = range in laboratory reported values

published by the EPA Office of Water, October 1996. National Primary Drinking Water Regulations (40 CFR 141) - Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as

The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown.

Not analyzed for

Micrograms per liter

The associated value is an estimate

Not detected at or above the practical quantitation limit

SUMMARY OF DEVELOPMENTAL METHOD ANALYTICAL RESULTS FOR METHANEARSONIC ACID, WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES AMITROLE, FOSAMINE AMMONIUM, AND FENAMINOSULF (DEXON)

Notes:	MTCA Method B Cleanup Levels	Maximum Contaminant Levels (MCLs) ^b	Practical Quantitation Limit	PW-LATHROP-D01	Public Supply Well	MWT-5-D01	MWT-4-D01	MWT-3-D01	MWT-2-D01	MWT-1-D01	Monitoring Wells	RWS-9900-D01	RW-9636-D01	RW-10031-D01	RW-9530-D01	WS-9636-D01	RW-9906-D01	RW-9401-D01	RW-3513-D01	RW-3111-D01	RW-9200-D01	RW-3215-D01	Private Wells 的数据指挥是基础的范围的范围的影响。	Sample Number ^a	
			100	ND		ND	ND	ND	ND	MD		ND	ND	ND	ND	ND	ND	N/A	N/A	N/A	N/A	N/A		Methanearsonic Acid	
			10,000	dn		ND	dN	ND	αN	ND		ND	ND	ND	ND	ND	ND	A/N	N/A	N/A	N/A	N/A		Amitrole	Analys
	3 2	11	10.0	ND		ND	Ŋ	Ŋ	ND	ND		ŊD	ND	¥	ND	ND	ND	A/N	N/A	N/A	N/A	N/A		Fosamine Ammonium	nalysis (μg/L)
	-	-	100	ND		ND	Ŋ	ND	ND	ND		ND	ND	Ŋ	ND	ND	ND	N/A	N/A	N/A	N/A	N/A		Fenaminosulf (Dexon)	

Notes:

- RW- denotes a residential well, MWT- denotes a monitoring well, and PW- denotes a public water supply well; D01 indicates sample was collected during first round of sampling by DNR
- published by the EPA Office of Water, October 1996. National Primary Drinking Water Regulations (40 CFR 141) - Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as
- The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown.

Not analyzed for

Not detected at or above the practical quantitation limit

SUMMARY OF THURSTON COUNTY SPLIT SAMPLE RESULTS FOR EPA METHODS 508 (CHLORINATED PESTICIDES), 515.1 (CHLORINATED ACIDS), AND 525.2 (SYNTHETIC ORGANIC COMPOUNDS) IN WATER WEBSTER NURSERY, WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES JUNE 1997 TABLE 7

]					JUNE 1997	79/								
		EP	EPA Method 508 (μg/L)	1 508 (µg/	L)		EPA Me	EPA Method 515.	5.1 (µg/L)		EP,	4 Method	EPA Method 525.2 (μg/L)	L,
	Sample Number ^a	Beta-BHC	Chlordane (Technical)	Heptachlor	Heptachlor epoxide	Dicamba	Dichloro- prop	2,4-D	Silvex (2,4,5-TP)	2,4,5-T	Simazine	Heptachlor	Heptachlor Epoxide	Gamma- chlordane
B	Private Wells													Participation of the control of the
	WS-9636-D01	ND	ND	ND	ND	ND	ND	ND	ND	ND	MD	ND	N	A
.,.	RW-9906-D01	Ü	UN	ND	ND	UN	UN	ND	ND	Ŋ	ND	ND	ND N	IJ.
S	Monitoring Wells													
	MW-2	0.023	2.60	0.230	1.50	0.370	0.190	8.70	8.30	49.0	0.480	0.380	1.50	0.270
	Practical Quantitation Limit	0.010	0.097	0.010	0.049	0.037	0.044	.0.027	0.015	0.600	0.050	0.020	0.020	0.030
	Maximum Contaminant Level (MCL)*	-	2.00	0.400	0.200	-	.	70.0	50.0	:	4.00	0.400	0.200	2.00
	MTCA Method B Cleanup Levels ^b	1	0.067	0.019	0.009	480		160	128	160	0.729	0.019	0.009	0.067
Notes:	es:		•		;									
<i>α</i>	National Primary Drinking Water Regulations (40 CFR 141) - Values based on the EPA Drinking Water Regulations and Health Advisories maximum contaminant levels (MCLs), as published by the EPA Office of Water, October 1996.	JFR 141) - 16.	Values bas	sed on the	EPA Drinki	ing Water F	Regulations	and Health	ı Advisorie	s maximun	1 contamin	ant levels (MCLs), as	
	The Model Toxics Control Act Cleanup Regulation [(Chapter 173-340-720(2)(b) WAC, as amended January 1996]. Values based on MTCA Method B criteria from The Cleanup Levels and Risk Calculations (CLARC II) update, February 1996. For those contaminants with both carcinogenic and noncarcinogenic state cleanup levels, the lowest of the two is shown.	[(Chapter ebruary 19	173-340-7. 996. For th	20(2)(b) W	/AC, as ame ninants with	ended Janu n both carci	ary 1996]. inogenic an	Values bas d noncarcii	ed on MTC nogenic sta	A Method te cleanup	B criteria levels, the	ased on MTCA Method B criteria from The Cleanup cinogenic state cleanup levels, the lowest of the two	Cleanup he two is st	bown.
цg/L	L Micrograms per liter.													
ਰ	Sample required dilution to bring analyte peak into calibration range of instrument.	calibration	n range of i	instrument	•									
¥	Not detected at or above the practical quantitation limit.	imit.												
Bold	d Indicates evaluation criteria exceedance.										-			

