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WA State Departme
of Ecology (SWRC

DEPARTMENT OF ECOLOGY
State of Washington

Water Resources Program

FORM 1 – Measuring Device Information

Please fill out one form for each measuring device.

WATER RIGHT HOLDER(S):	WATER RIGHT DOCUMENT NO(S):
Name(s)	Certificate, Permit, Claim, or Court Claim
Public Utility District #1	G2-25612
of Thurston County	

User's name for diversion/withdrawal point: Lew's well #1
(ex. Well #1, Blue well house)

ABOUT THE MEASURING DEVICE:
Please include an up-close photo of the face of the meter.

Flow Type: ☐ Open Channel Flow ☒ Pressurized Pipe Flow

Measure more than one source? ☐ Yes ☒ No If yes, please provide a list of all the sources that share a common measuring device (ex. two wells or two pumped diversions):

Meter Type (ex. magnetic, propeller, flume, etc.): propeller

Brand: Badger Model No.:

Serial No.: 92816167 Units of Measure (gal, cfs, or ac-ft): gallons

Device Roll-Over No.: Device Multiplier (ex. X100, X0.01):

Date Installed/Calibrated: before 2002 Fish screen for surface water diversion? ☐ Yes ☐ No

LOCATION OF THE MEASURING DEVICE:

Section: 12 Township: 19N Range: 02 (¼): NE (¼¼): SW

Latitude (optional): Longitude (optional):
(NAD 83 Datum in Decimal Degrees preferred)

Is meter within 100 feet of the point of diversion or withdrawal? ☒ Yes ☐ No

COMMENTS:

I hereby certify that all information reported on this form is correct to the best of my knowledge.

Printed Name: Kim Gubbe Phone No.: (360) 357 8783

Address: 921 Lakeridge Way SW #301 City: Olympia State: WA 98502

E-mail: kgubbe@thurstonpud.com

Signature: Kim Gubbe Date: 1/13/2012

DEPARTMENT OF ECOLOGY
State of Washington

Water Resources Program

Pressurized Flow & Open Channel Flow

Fill out a form for each measuring device

Organization: Public Utility District #1 of Thurston County			Contact Name: Kim Gubbe
Address: 921 Lakeridge Way SW #301			City: Olympia
State: WA	Zip: 98502	Phone: 360 357 8783	E-mail: kgubbe@thurstonpud.com

All Water Right Certificates, Permits, Change Authorizations, or Claims that this device measures MUST BE LISTED:

No. G2-25612		

Meter Type: Propeller	Brand: Badger	Model No.: 170
Serial No.: 92816167	Source Name: 501	Device Rollover No.: 8 digits

Select Your Measuring Method and Check the Appropriate Units Below

☒	Pressurized Flow ground or surface water	*or*	☐	Open Channel Flow

Date	☐ Meter Reading-totalizer ☒ Total Volume	Staff Gage Reading (for open channel only)	Peak Flow
Month/Day/Year mm/dd/yyyy	☒ gallons ☐ acre-feet ☐ other	☐ feet ☐ other	☐ gpm ☐ cfs ☐ other
1/07/2010	110,800		
2/05/2010	103,200		
3/05/2010	102,800		
4/08/2010	126,300		
5/07/2010	115,200		
6/07/2010	52,000		
7/09/2010	248,200		
8/04/2010	252,400		
9/10/2010	232,600		
10/07/2010	83,400		
11/04/2010	79,100		
12/08/2010	98,600		

Continued on next page...

Continued from page one

Month/Day/Year mm/dd/yyyy	Meter Reading	Staff Gage Reading	Peak Flow
1/07/2011	89,000		
2/07/2011	95,700		
3/07/2011	82,300		
4/08/2011	97,400		
5/06/2011	90,600		
6/08/2011	113,400		
7/08/2011	148,000		
8/08/2011	155,400		
9/09/2011	166,400		
10/07/2011	100,100		
11/07/2011	91,800		
12/07/2011	86,800		
1/09/2012	103,500		
/ /			
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/ /			
/ /			

COMMENTS: If a water source is not used or data is not collected, you must submit "0". If there is any additional information or event which may help to describe any major changes to your water use, please provide an explanation.

Organization: Thurston PUD

Contact Name: Kim Gubbe

I hereby certify that all information reported on this form is correct to the best of my knowledge.

Printed Name: Kim Gubbe

Kim Gubbe

Signature or Electronic Signature

Date: 1/13/2012

Please Print Plainly
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WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.
Tacoma, WA 98404
(253) 531-3121

(copy)
G2-25612

INORGANIC CHEMICALS (IOCS) REPORT

x 1,2

System ID No: 604901 | System Name: Lewis 81st #225

Lab/Sample No: 08940991 | Date Collected: 12-12-11 | DOH Source No: S01

Multiple Source Nos: NA | Sample Type: B | Sample Purpose: B

Date Received: 12-13-11 | Date Reported: 12-14-11 | Supervisor: LML

County: Thurston | Date Digested: NA | Group: (A) B Other

Sample Location: Pumphouse

Send Results & Bill To: Thurston PUD
921 Lakeridge Way SW, Suite 301
Olympia, WA 98502

Remarks: AT3828R

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS Trigger?	EXCEEDS MCL?	Method/Analyst	
	EPA REGULATED									
4	Arsenic	NA	mg/L	0.001	0.01	0.01			200.8	
5	Barium		mg/L	0.01	2	2			200.8	
6	Cadmium		mg/L	0.0001	0.005	0.005			200.8	
7	Chromium		mg/L	0.007	0.1	0.1			200.8	
11	Mercury		mg/L	0.0002	0.002	0.002			200.8	
12	Selenium		mg/L	0.002	0.05	0.05			200.8	
110	Beryllium		mg/L	0.0003	0.004	0.004			200.8	
111	Nickel		mg/L	0.005	0.1	0.1			200.8	
112	Antimony		mg/L	0.003	0.006	0.006			200.8	
113	Thallium		mg/L	0.001	0.002	0.002			200.8	
116	Cyanide		mg/L	0.01	0.2	0.2			4500-CNF	
19	Fluoride		mg/L	0.5	2	4			300.0	
114	Nitrite - N		mg/L	0.1	0.5	1			300.0	
20	Nitrate - N		mg/L	0.2	5	10			300.0	
161	Total Nitrate/Nitrite		mg/L	0.5	5	10			300.0	
	EPA REGULATED (Secondary)									
8	Iron	NA	mg/L	0.1	0.3	0.3			3111B	
10	Manganese		mg/L	0.01		0.05			200.8	
13	Silver		mg/L	0.1		0.1			200.8	
21	Chloride	4	mg/L	20		250		No	300.0	MS
22	Sulfate	NA	mg/L	50		250			300.0	
24	Zinc		mg/L	0.2	5	5			200.8	
	STATE REGULATED									
14	Sodium	NA	mg/L	5					200.8	
15	Hardness		mg/L	10					2340C	
16	Conductivity		umhos/cm	70		700			2510B	
17	Turbidity		NTU	0.1					2130B	
18	Color		color units	15		15			2120B	
26	Total Dissolved Solids		mg/L	100		500			2540C	
	STATE UNREGULATED									
9	Lead	NA	mg/L	0.001					200.8	
23	Copper		mg/L	0.02					200.8	

COMMENTS: Chloride

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WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.
Tacoma, WA 98404
(253) 531-3121

INORGANIC CHEMICALS (IOCS) REPORT

*1,2

System ID No: 604901 | System Name: Lewis 81st -225

Lab/Sample No: 08948911 | Date Collected: 08-05-13 | DOH Source No: S01

Multiple Source Nos: NA | Sample Type: B | Sample Purpose: C

Date Received: 08-05-13 | Date Reported: 08-07-13 | Supervisor: LM

County: Thurston | Date Digested: NA | Group: (A) B Other

Sample Location: pumphouse

Send Results & Bill To: Thurston PUD
921 Lakeridge Way SW, Suit 301
Olympia, WA 98502

Remarks: AT3828R

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS Trigger?	EXCEEDS MCL?	Method/Analyst	
	EPA REGULATED									
4	Arsenic	NA	mg/L	0.001	0.01	0.01			200.8	
5	Barium		mg/L	0.01	2	2			200.8	
6	Cadmium		mg/L	0.0001	0.005	0.005			200.8	
7	Chromium		mg/L	0.007	0.1	0.1			200.8	
11	Mercury		mg/L	0.0002	0.002	0.002			200.8	
12	Selenium		mg/L	0.002	0.05	0.05			200.8	
110	Beryllium		mg/L	0.0003	0.004	0.004			200.8	
111	Nickel		mg/L	0.005	0.1	0.1			200.8	
112	Antimony		mg/L	0.003	0.006	0.006			200.8	
113	Thallium		mg/L	0.001	0.002	0.002			200.8	
116	Cyanide		mg/L	0.01	0.2	0.2			4500-CNF	
19	Fluoride		mg/L	0.5	2	4			300.0	
114	Nitrite - N		mg/L	0.1	0.5	1			300.0	
20	Nitrate - N	<0.2	mg/L	0.2	5	10	No	No	300.0	TE
161	Total Nitrate/Nitrite	NA	mg/L	0.5	5	10			300.0	
	EPA REGULATED (Secondary)									
8	Iron	NA	mg/L	0.1	0.3	0.3			3111B	
10	Manganese		mg/L	0.01		0.05			200.8	
13	Silver		mg/L	0.1		0.1			200.8	
21	Chloride	4	mg/L	20		250		No	300.0	TE
22	Sulfate	NA	mg/L	50		250			300.0	
24	Zinc		mg/L	0.2	5	5			200.8	
	STATE REGULATED									
14	Sodium	NA	mg/L	5					200.8	
15	Hardness		mg/L	10					2340C	
16	Conductivity		umhos/cm	70		700			2510B	
17	Turbidity		NTU	0.1					2130B	
18	Color		color units	15		15			2120B	
26	Total Dissolved Solids		mg/L	100		500			2540C	
	STATE UNREGULATED									
9	Lead	NA	mg/L	0.001					200.8	
23	Copper		mg/L	0.02					200.8	

COMMENTS: Chloride, Nitrate

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Tacoma, WA 98404
(253) 531-3121

INORGANIC CHEMICALS (IOCS) REPORT

#1,2

System ID No: 604901 | System Name: Lew's 81st - 225

Lab/Sample No: 08947158 | Date Collected: 04-02-13 | DOH Source No: S01

Multiple Source Nos: N/A | Sample Type: A | Sample Purpose: C

Date Received: 04-02-13 | Date Reported: 04-03-13 | Supervisor: [illegible]

County: Thurston | Date Digested: NA | Group: (A) B Other

Sample Location: Pumphouse

Send Results & Bill To: Thurston PUD
921 Lakeridge Way SW, Suite 301
Olympia, WA 98502

Remarks: AT3828R

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS Trigger?	EXCEEDS MCL?	Method/Analyst	
	EPA REGULATED									
4	Arsenic	NA	mg/L	0.001	0.01	0.01			200.8	
5	Barium		mg/L	0.01	2	2			200.8	
6	Cadmium		mg/L	0.0001	0.005	0.005			200.8	
7	Chromium		mg/L	0.007	0.1	0.1			200.8	
11	Mercury		mg/L	0.0002	0.002	0.002			200.8	
12	Selenium		mg/L	0.002	0.05	0.05			200.8	
110	Beryllium		mg/L	0.0003	0.004	0.004			200.8	
111	Nickel		mg/L	0.005	0.1	0.1			200.8	
112	Antimony		mg/L	0.003	0.006	0.006			200.8	
113	Thallium		mg/L	0.001	0.002	0.002			200.8	
116	Cyanide		mg/L	0.01	0.2	0.2			4500-CNF	
19	Fluoride		mg/L	0.5	2	4			300.0	
114	Nitrite - N		mg/L	0.1	0.5	1			300.0	
20	Nitrate - N		mg/L	0.2	5	10			300.0	
161	Total Nitrate/Nitrite		mg/L	0.5	5	10			300.0	
	EPA REGULATED (Secondary)									
8	Iron	NA	mg/L	0.1	0.3	0.3			3111B	
10	Manganese		mg/L	0.01		0.05			200.8	
13	Silver		mg/L	0.1		0.1			200.8	
21	Chloride	4	mg/L	20		250		NO	300.0	NC
22	Sulfate	NA	mg/L	50		250			300.0	
24	Zinc		mg/L	0.2	5	5			200.8	
	STATE REGULATED									
14	Sodium	NA	mg/L	5					200.8	
15	Hardness		mg/L	10					2340C	
16	Conductivity		umhos/cm	70		700			2510B	
17	Turbidity		NTU	0.1					2130B	
18	Color		color units	15		15			2120B	
26	Total Dissolved Solids		mg/L	100		500			2540C	
	STATE UNREGULATED									
9	Lead	NA	mg/L	0.001					200.8	
23	Copper		mg/L	0.02					200.8	

COMMENTS: Chloride

PROPERTY OF WATER MANAGEMENT LABORATORIES, INC.

Washington State Department of Health

Division of Environmental Health
Office of Drinking Water

View Sample Detail - WSID 604901 - LEWS 81ST STREET 225

Collect Date	8/31/2012
Lab Number	089
Lab Name	Water Management Laboratory Inc
Sample Number	44659
Source	01
Analyte Group	IOC-INORGANIC CONTAMINANTS
Test Panel	IOC_SHORT-INORGANIC SHORT FORM
Sample Location	ph
Sample Type	Pre-Treatment / Raw

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	Units	State Reporting Limit
0021	CHLORIDE	EQ	4.0000	250.0000	mg/L	20.0000

Records 1 - 1 of 1

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Department of Health, Office of Drinking Water

Street Address:
243 Israel Road S.E. 2nd floor
Tumwater, WA 98501

Mail:
PO BOX 47822
Olympia, WA 98504-7822

Phone: (360) 236-3100

Send inquiries about DOH and its programs to the Health Consumer Assistance Office
Comments or questions regarding this Web site? Send email to Environmental Health Application Testing and Support or call 360-236-3113.

Cl- OK

MP

Washington State Department of Health

Division of Environmental Health
Office of Drinking Water

View Sample Detail - WSID 604901 - LEWS 81ST STREET 225

Collect Date	4/3/2012
Lab Number	089
Lab Name	Water Management Laboratory Inc
Sample Number	42160
Source	01
Analyte Group	IOC-INORGANIC CONTAMINANTS
Test Panel	IOC_SHORT-INORGANIC SHORT FORM
Sample Location	ph
Sample Type	Pre-Treatment / Raw

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	Units	State Reporting Limit
0021	CHLORIDE	EQ	4.0000	250.0000	mg/L	20.0000

Records 1 - 1 of 1

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Tumwater, WA 98501

Mail:
PO BOX 47822
Olympia, WA 98504-7822

Phone: (360) 236-3100

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Comments or questions regarding this Web site? Send email to Environmental Health Application Testing and Support or call 360-236-3113.

Peter, Marie (ECY)

From: Kim Gubbe [kgubbe@thurstonpud.com]
Sent: Tuesday, November 13, 2012 9:24 AM
To: Peter, Marie (ECY)
Cc: Julie Parker; John Weidenfeller
Subject: Annual Chloride Sampling for Lew's 81st St #225
Attachments: Lew's 81st chloride results for 2012.pdf

Hi Marie,

Attached you will find the annual chloride tests for Lew's 81st St. #225 water system, Amended Permit G2-25612.

Thanks,

Kim Gubbe

Operations Manager

Thurston PUD

360-357-8783