

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-09395

Exam Date: 8/19/2015

1. Current Owner:
KOOTENAI MEDICAL CENTER 2003 KOOTENAI HEALTH WAY COEUR D ALENE ID 83814 (208)666-3466

2. Accompanied by: Facility Maintenance Staff

3. SOURCE: GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L2 (SW $\frac{1}{4}$ NE $\frac{1}{4}$) Sec. 11, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 41.690, 116° 47.544 (A0015476)

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	11			X L 2														

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	04W	11			5.0 L 2														5.0

Total Acres: 5

Method of Determination: GPS, maps, and aerial photography

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0067775		7			
		30			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: UNABLE TO PERFORM FLOW MEASUREMENT

E. FLOW CALCULATIONS

Measured Method: IDWR COULD NOT PERFORM FLOW MEASUREMENTS AND HAD TO PERFORM THEORETICAL PUMPING EQUATIONS. IDWR CONFIRMED WITH H2O WELL SERVICE WHAT SIZE PUMPS WERE INSTALLED AND AT WHAT DEPTH THEY WERE PLACED. IDWR ASSUMED A SYSTEM PSI AT 40. Additional Computation Sheets Attached

IRRIGATION PUMP

$$(7.5 \text{ HP})(8.8)(0.8) / (318 + (40 \times 2.3087)) = 0.129 \text{ CFS}$$

COMMERCIAL PUMP

$$(30 \text{ HP})(8.8)(0.8) / (305 + (40 \times 2.3087)) = 0.53 \text{ CFS}$$

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \text{ AC} \times 3 \text{ AF} = 15.0 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.13 \text{ CFS} \times 246 \times 1.9835 = 63.4 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 15.0 \text{ AF}$$

2. Volume Calculations for Other Uses: SEE ATTACHED FOR COMMERCIAL USE**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED HOSPITAL HAD WELL THAT WOULD SUPPLY WATER FOR THE IRRIGATION OF 5 ACRES AND FOR BACK UP WATER FOR HOSPITAL IF THERE WAS EVER ISSUE WITH CITY WATER. BEFORE EXAM, IDWR FIELD EXAMINER REQUESTED HOSPITAL SUPPLY CITY RECORDS FOR CONSUMPTION FOR 1 YEAR SO IDWR COULD GIVE ANNUAL VOLUME FOR COMMERCIAL USE WITH ALL BUILDINGS THAT WOULD BE SUPPLIED WITH WATER FROM WELL FOR BACKUP. AT THE TIME EXAM WAS CONDUCTED, RECORDS WERE GIVEN TO EXAMINER FOR REVIEW AT TIME OF LICENSING. DURING REVIEW, IT WAS DETERMINED THAT IDWR DID NOT KNOW WHAT THE UNITS NEEDED TO BE MULTIPLIED BY TO FIND ANNUAL VOLUME. EXAMINER TRIED TO CONTACT HOSPITAL FOR 4 MONTHS WITH NO REPLY TO ANY MESSAGES. EXAMINER THEN CONTACTED THE CITY TO ASK WHAT UNITS WERE MEASURED IN AND THE CITY CONFIRMED THAT UNITS WERE IN 1,000 GALLONS. IDWR COULD NOW ISSUE LICENSE BASED UPON FIGURES ON ATTACHED SPREADSHEET. IDWR HAD TO CONTACT H2O WELL SERVICE TO VERIFY THE SIZE OF PUMPS AND AT WHAT DEPTH EACH PUMP WAS SET TO RUN THEORETICAL PUMPING EQUATION, SEE ATTACHED. HOSPITAL CONFIRMED ON RECORDS THAT CITY WATER WAS USED DURING THAT YEAR FOR IRRIGATION BECAUSE OF CONSTRUCTION AND WELL BEING PUT IN. IDWR WILL SUBTRACT 15.0 ACRE FEET FROM TOTAL FOR THE IRRIGATION COMPONENT OF LICENSE BECAUSE 5 ACRES WAS APPLIED FOR AND CONFIRMED DURING EXAM.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.13 CFS	15.0 AF
COMMERCIAL	01/01 to 12/31	0.53 CFS	41.2 AF
	<u>Totals:</u>	0.660 CFS	56.20 AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Fendrich Date 3/24/2016
 Reviewer Morgan Lane Date 3/25/2016

THEORETICAL PUMPING EQUATIONS FOR WATER RIGHT 95-9395

IRRIGATION PUMP 7.5 HP SET AT 318 FEET, ASSUMED AT 40 PSI

PUMP EQUATIONS WATER RIGHT No. 95-9395						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$\frac{HP \cdot 8.8 \cdot \text{Eff}}{H}$	7.5	410.51 7	0.8	318	40
Q = 0.129 cfs 57.8 gpm						

BACK UP PUMP FOR HOSPITAL, 30 HP SET AT 305 FEET, ASSUMED AT 40 PSI

PUMP EQUATIONS WATER RIGHT No. 95-9395						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$\frac{HP \cdot 8.8 \cdot \text{Eff}}{H}$	30	397.51 7	0.8	305	40
Q = 0.532 cfs 238.8 gpm						

PUMP SIZES AND DEPTHS VERIFIED WITH H2O WELL SERVICE



95-9345



95-9395

State of Idaho
Department of Water Resources
Water Right License
95-9395

04W

50N



0 0.035 0.07 0.14 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



KOOTENAI MEDICAL CENTER WATER CONSUMPTION PER BUILDING FOR USE IN LICENSING WATER RIGHT 95-9395

AT TIME OF EXAM, KOOTENAI MEDICAL CENTER SUPPLIED IDWR FIELD EXAMINER WITH CITY RECORDS FOR ALL BUILDINGS/METERS THAT WOULD BE SUPPLIED WITH WATER FOR COMMERCIAL USE FROM WELL AS A NEEDED BACKUP SOURCE IF CITY WATER EVER FAILED.

METERS

	1	2	3	4	5	6
AUG						
SEPT	19.00	715.00	37.00	840.00	64.00	314.00
OCT	22.00	747.00	32.00	818.00	64.00	403.00
NOV	25.00	113.00	43.00	2,673.00	73.00	125.00
DEC	18.00	103.00	36.00	2,109.00	62.00	
JAN	20.00	1,147.00	44.00	2,513.00	79.00	1.00
FEB	21.00	1.00	39.00	710.00	73.00	1.00
MAR	22.00	1.00	41.00	524.00	66.00	1.00
APR	24.00	1.00	38.00	601.00	66.00	1.00
MAY	23.00	1.00	37.00	554.00	74.00	1.00
JUN	23.00	1.00	41.00	647.00	80.00	122.00
JUL	22.00	1.00	48.00	760.00	61.00	319.00
TOTAL	239.00	2,831.00	436.00	12,749.00	762.00	1,288.00

TOTAL
18,305.00

TOTAL IN GALLONS 18,305,000.00

TOTAL IN ACRE FEET 56.18

LICENSE WILL BE ISSUED WITH AN IRRIGATION COMPONENT FOR 5 ACRES OF IRRIGATION. APPLICANT SAID IRRIGATION WAS INCLUDED IN THIS YEARS CITY WATER DURING CONSTRUCTION OF WELL AND NEW ADDITION. TOTAL ACRE FEET WILL HAVE 15 ACRE FEET SUBTRACTED FOR IRRIGATION AND LICENSE WILL BE ISSUED FOR 41.2 ACRE FEET FOR COMMERCIAL USE.

12,000.00 +
752.00 +
12,752.00 +
636.00 +
20,000.00 +
10,000.00 +
10,000.00 +
10,000.00 +

Annual —
INCLUDES
IRRIGATION
WHICH IS
NORMAL FOR WZL

BUILDING UTILITY USAGE

Building 1

Kootenai Health-Engineering

00014327

ARAMARK

Building: KMC 1ST FI

Period Start Period End

11/27/2014 12/31/2014 Energy Type: Water

Dec Meter Description Square Area Units Area Served
012331-water 362,054.00

Energy Units	Quantity Used	Unit Cost	Total Cost
Gallons	18.00	\$1.30	\$23.47

Total Cost for Time Period: \$23.47

Cost / Square Area Units: \$0.0001

08/30/2014 9/30/2014 Energy Type: Water

Sept Meter Description Square Area Units Area Served
012331-water 362,054.00

Energy Units	Quantity Used	Unit Cost	Total Cost
Gallons	19.00	\$1.27	\$24.15

Total Cost for Time Period: \$24.15

Cost / Square Area Units: \$0.0001

01/01/2015 1/30/2015 Energy Type: Water

Jan Meter Description Square Area Units Area Served
012331-water 362,054.00

Energy Units	Quantity Used	Unit Cost	Total Cost
Gallons	20.00	\$1.27	\$25.47

Total Cost for Time Period: \$25.47

Cost / Square Area Units: \$0.0001

10/01/2014 10/31/2014 Energy Type: Water

Oct Meter Description Square Area Units Area Served
012331-water 362,054.00

Energy Units	Quantity Used	Unit Cost	Total Cost
Gallons	22.00	\$1.16	\$25.51

Total Cost for Time Period: \$25.51

Cost / Square Area Units: \$0.0001

BUILDING TITLES USAGE

Building 1

Building: KMC 1ST FI

Period Start Period End

01/31/2015 2/27/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012331-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

21.00

\$1.21

\$25.51

Total Cost for Time Period: \$25.51

Cost / Square Area Units: \$0.0001

02/28/2015 3/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012331-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

22.00

\$1.25

\$27.40

Total Cost for Time Period: \$27.40

Cost / Square Area Units: \$0.0001

07/01/2015 7/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012331-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

22.00

\$1.25

\$27.40

Total Cost for Time Period: \$27.40

Cost / Square Area Units: \$0.0001

05/01/2015 5/29/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012331-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

23.00

\$1.22

\$28.11

Total Cost for Time Period: \$28.11

Cost / Square Area Units: \$0.0001

BUILDING FUEL USAGE

Building: KMC 1ST FI

Building 1

Period Start Period End

05/30/2015 6/30/2015 Energy Type: Water

Jun

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012331-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	23.00	\$1.22	\$28.11

Total Cost for Time Period: \$28.11

Cost / Square Area Units: \$0.0001

11/01/2014 11/26/2014 Energy Type: Water

Nov

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012331-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	25.00	\$1.13	\$28.23

Total Cost for Time Period: \$28.23

Cost / Square Area Units: \$0.0001

04/01/2015 4/30/2015 Energy Type: Water

Apr

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012331-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	24.00	\$1.20	\$28.82

Total Cost for Time Period: \$28.82

Cost / Square Area Units: \$0.0001

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building: \$292.18

Cost / Square Area Units: \$0.0001

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
 BillingEndDate <= 8/19/2015 And
 MeterDesc Like "*012331-water*"

BUILDING UTILITY USAGE

Kootenai Health-Engineering

Building 2

00014327

ARAMARK

Building: KMC 1ST FI

Period Start Period End

04/01/2015 4/30/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$27.74

Total Cost

\$27.74

Total Cost for Time Period:

\$27.74

Cost / Square Area Units:

\$0.0001

05/01/2015 5/29/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$93.84

Total Cost

\$93.84

Total Cost for Time Period:

\$93.84

Cost / Square Area Units:

\$0.0003

05/30/2015 6/30/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$93.84

Total Cost

\$93.84

Total Cost for Time Period:

\$93.84

Cost / Square Area Units:

\$0.0003

07/01/2015 7/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$93.84

Total Cost

\$93.84

Total Cost for Time Period:

\$93.84

Cost / Square Area Units:

\$0.0003

BUILDING TILTINUSAGE

Building: KMC 1ST FI

Building 2

Period Start Period End

01/31/2015 2/27/2015 Energy Type: Water

Meter Description Square Area Units Area Served

Feb

012324-water 362,054.00

Energy Units

~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$100.68

Total Cost

\$100.68

Total Cost for Time Period:

\$100.68

Cost / Square Area Units:

\$0.0003

11/27/2014 12/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units

~~Gallons~~

Fee

Quantity Used

103.00

Unit Cost

\$1.37

Total Cost

\$141.48

Total Cost for Time Period:

\$141.48

Cost / Square Area Units:

\$0.0004

11/01/2014 11/26/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units

Gallons

Quantity Used

113.00

Unit Cost

\$1.31

Total Cost

\$148.28

Total Cost for Time Period:

\$148.28

Cost / Square Area Units:

\$0.0004

02/28/2015 3/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012324-water 362,054.00

Energy Units

~~Gallons~~

Fee

Quantity Used

1.00

Unit Cost

\$226.02

Total Cost

\$226.02

Total Cost for Time Period:

\$226.02

Cost / Square Area Units:

\$0.0006

BUILDING UTILITIES USAGE

Building: KMC 1ST FL

Period Start Period End

Building 2

08/30/2014 9/30/2014 Energy Type: Water

Sep

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012324-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	715.00	\$0.78	\$557.64

Total Cost for Time Period:	\$557.64
Cost / Square Area Units:	\$0.0015

10/01/2014 10/31/2014 Energy Type: Water

Oct

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012324-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	747.00	\$0.78	\$579.40

Total Cost for Time Period:	\$579.40
Cost / Square Area Units:	\$0.0016

01/01/2015 1/30/2015 Energy Type: Water

Jan

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012324-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	1,147.00	\$0.75	\$859.94

Total Cost for Time Period:	\$859.94
Cost / Square Area Units:	\$0.0024

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building:	\$2,922.70
Cost / Square Area Units:	\$0.0007

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
 BillingEndDate <= 8/19/2015 And
 MeterDesc Like "*012324-water*"

BUILDING UTILITY USAGE

Kootenai Health-Engineering

Building 3

00014327

ARAMARK

Building: KMC IST FI

Period Start Period End

10/01/2014 10/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012330-water 362,054.00

Oct Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

32.00

\$1.44

\$46.16

Total Cost for Time Period: \$46.16

Cost / Square Area Units: \$0.0001

11/27/2014 12/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012330-water 362,054.00

Dec Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

36.00

\$1.36

\$48.88

Total Cost for Time Period: \$48.88

Cost / Square Area Units: \$0.0001

08/30/2014 9/30/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012330-water 362,054.00

Sept Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

37.00

\$1.34

\$49.56

Total Cost for Time Period: \$49.56

Cost / Square Area Units: \$0.0001

01/31/2015 2/27/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012330-water 362,054.00

Feb Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

39.00

\$1.31

\$50.92

Total Cost for Time Period: \$50.92

Cost / Square Area Units: \$0.0001

BUILDING UTILITY USAGE

Building: KMC 1ST Fl

Period Start Period End

Building 3

05/01/2015 5/29/2015 Energy Type: Water

May

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012330-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	37.00	\$1.38	\$51.22

Total Cost for Time Period: \$51.22

Cost / Square Area Units: \$0.0001

04/01/2015 4/30/2015 Energy Type: Water

Apr

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012330-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	38.00	\$1.37	\$51.93

Total Cost for Time Period: \$51.93

Cost / Square Area Units: \$0.0001

11/01/2014 11/26/2014 Energy Type: Water

Nov

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012330-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	43.00	\$1.25	\$53.64

Total Cost for Time Period: \$53.64

Cost / Square Area Units: \$0.0001

02/28/2015 3/31/2015 Energy Type: Water

Mar

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012330-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	41.00	\$1.32	\$54.06

Total Cost for Time Period: \$54.06

Cost / Square Area Units: \$0.0001

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 3

05/30/2015 6/30/2015 Energy Type: Water

Meter Description Square Area Units Area Served

Jun

012330-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

41.00

\$1.32

\$54.06

Total Cost for Time Period: \$54.06

Cost / Square Area Units: \$0.0001

01/01/2015 1/30/2015 Energy Type: Water

Meter Description Square Area Units Area Served

Jan

012330-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

44.00

\$1.25

\$55.06

Total Cost for Time Period: \$55.06

Cost / Square Area Units: \$0.0002

07/01/2015 7/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

Jul

012330-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

48.00

\$1.23

\$59.03

Total Cost for Time Period: \$59.03

Cost / Square Area Units: \$0.0002

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building: \$574.52

Cost / Square Area Units: \$0.0001

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
BillingEndDate <= 8/19/2015 And
MeterDesc Like "*012330-water*"

BUILDING UTILITY USAGE

Kootenai Health-Engineering
ARAMARK

Building 4

00014327

Building: KMC 1ST Fl

Period Start Period End

02/28/2015 3/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

Mar 012327-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	524.00	\$2.77	\$1,453.74

Total Cost for Time Period: \$1,453.74

Cost / Square Area Units: \$0.0040

11/27/2014 12/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

Dec 012327-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	2,109.00	\$0.70	\$1,485.38

Total Cost for Time Period: \$1,485.38

Cost / Square Area Units: \$0.0041

05/01/2015 5/29/2015 Energy Type: Water

Meter Description Square Area Units Area Served

May 012327-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	554.00	\$2.77	\$1,535.39

Total Cost for Time Period: \$1,535.39

Cost / Square Area Units: \$0.0042

10/01/2014 10/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

Oct 012327-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	818.00	\$1.88	\$1,539.78

Total Cost for Time Period: \$1,539.78

Cost / Square Area Units: \$0.0043

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 4

08/30/2014 9/30/2014

Energy Type: Water

Sep

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012327-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	840.00	\$1.91	\$1,600.30

Total Cost for Time Period: \$1,600.30

Cost / Square Area Units: \$0.0044

04/01/2015 4/30/2015

Energy Type: Water

Apr

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012327-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	601.00	\$2.74	\$1,648.99

Total Cost for Time Period: \$1,648.99

Cost / Square Area Units: \$0.0046

01/01/2015 1/30/2015

Energy Type: Water

Jan

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012327-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	2,513.00	\$0.70	\$1,766.46

Total Cost for Time Period: \$1,766.46

Cost / Square Area Units: \$0.0049

05/30/2015 6/30/2015

Energy Type: Water

Jun

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012327-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	647.00	\$2.77	\$1,792.41

Total Cost for Time Period: \$1,792.41

Cost / Square Area Units: \$0.0050

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 4

11/01/2014 11/26/2014 Energy Type: Water

Nov

Meter Description Square Area Units Area Served

012327-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

2,673.00

\$0.70

\$1,868.90

Total Cost for Time Period: \$1,868.90

Cost / Square Area Units: \$0.0052

01/31/2015 2/27/2015 Energy Type: Water

Feb

Meter Description Square Area Units Area Served

012327-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

710.00

\$2.64

\$1,875.02

Total Cost for Time Period: \$1,875.02

Cost / Square Area Units: \$0.0052

07/01/2015 7/31/2015 Energy Type: Water

Jul

Meter Description Square Area Units Area Served

012327-water 362,054.00

Energy Units

Quantity Used

Unit Cost

Total Cost

Gallons

760.00

\$2.76

\$2,096.29

Total Cost for Time Period: \$2,096.29

Cost / Square Area Units: \$0.0058

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building: \$18,662.66

Cost / Square Area Units: \$0.0047

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
BillingEndDate <= 8/19/2015 And
MeterDesc Like "**012327-water**"

BUILDING UTILITY USAGE

Kootenai Health-Engineering

00014327

ARAMARK

Building 5

Building: KMC 1ST FI

Period Start Period End

11/27/2014 12/31/2014 Energy Type: Water

Dec

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	62.00	\$1.31	\$81.27

Total Cost for Time Period: \$81.27

Cost / Square Area Units: \$0.0002

08/30/2014 9/30/2014 Energy Type: Water

Sep

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	64.00	\$1.29	\$82.63

Total Cost for Time Period: \$82.63

Cost / Square Area Units: \$0.0002

10/01/2014 10/31/2014 Energy Type: Water

Oct

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	64.00	\$1.29	\$82.63

Total Cost for Time Period: \$82.63

Cost / Square Area Units: \$0.0002

07/01/2015 7/31/2015 Energy Type: Water

Jul

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	61.00	\$1.38	\$83.91

Total Cost for Time Period: \$83.91

Cost / Square Area Units: \$0.0002

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 5

04/01/2015 4/30/2015 Energy Type: Water

Apr

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	66.00	\$1.28	\$84.46

Total Cost for Time Period:	\$84.46
Cost / Square Area Units:	\$0.0002

02/28/2015 3/31/2015 Energy Type: Water

Mar

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	66.00	\$1.33	\$87.46

Total Cost for Time Period:	\$87.46
Cost / Square Area Units:	\$0.0002

11/01/2014 11/26/2014 Energy Type: Water

Nov

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	73.00	\$1.22	\$88.75

Total Cost for Time Period:	\$88.75
Cost / Square Area Units:	\$0.0002

01/31/2015 2/27/2015 Energy Type: Water

Feb

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012326-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	73.00	\$1.22	\$88.75

Total Cost for Time Period:	\$88.75
Cost / Square Area Units:	\$0.0002

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 5

05/01/2015 5/29/2015 Energy Type: Water

May Meter Description Square Area Units Area Served
012326-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	74.00	\$1.26	\$93.14

Total Cost for Time Period: \$93.14

Cost / Square Area Units: \$0.0003

01/01/2015 1/30/2015 Energy Type: Water

Jan Meter Description Square Area Units Area Served
012326-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	79.00	\$1.20	\$94.67

Total Cost for Time Period: \$94.67

Cost / Square Area Units: \$0.0003

05/30/2015 6/30/2015 Energy Type: Water

Jun Meter Description Square Area Units Area Served
012326-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Gallons	80.00	\$1.22	\$97.40

Total Cost for Time Period: \$97.40

Cost / Square Area Units: \$0.0003

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building: \$965.07

Cost / Square Area Units: \$0.0002

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
BillingEndDate <= 8/19/2015 And
MeterDesc Like "*012326-water*"

BUILDING UTILITY USAGE

Kootenai Health-Engineering

ARAMARK

00014327

Building 6

Building: KMC 1ST FI

Period Start Period End

01/31/2015 2/27/2015 Energy Type: Water

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012329-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Fees	1.00	\$8.64	\$8.64

Total Cost for Time Period: \$8.64

Cost / Square Area Units: \$0.0000

01/01/2015 1/30/2015 Energy Type: Water

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012329-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Fees	1.00	\$9.06	\$9.06

Total Cost for Time Period: \$9.06

Cost / Square Area Units: \$0.0000

02/28/2015 3/31/2015 Energy Type: Water

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012329-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Fees	1.00	\$9.06	\$9.06

Total Cost for Time Period: \$9.06

Cost / Square Area Units: \$0.0000

04/01/2015 4/30/2015 Energy Type: Water

<u>Meter Description</u>	<u>Square Area Units</u>	<u>Area Served</u>
012329-water	362,054.00	

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Fees	1.00	\$9.06	\$9.06

Total Cost for Time Period: \$9.06

Cost / Square Area Units: \$0.0000

BUILDING TITLES USAGE

Building: KMC 1ST FL

Period Start Period End

Building 4

05/01/2015 5/29/2015 Energy Type: Water

May Meter Description Square Area Units Area Served
012329-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
Fees	1.00	\$9.06	\$9.06

Total Cost for Time Period: \$9.06

Cost / Square Area Units: \$0.0000

11/01/2014 11/26/2014 Energy Type: Water

Nov Meter Description Square Area Units Area Served
012329-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
~~Fees~~ gal	125.00	\$0.97	\$121.14

Total Cost for Time Period: \$121.14

Cost / Square Area Units: \$0.0003

05/30/2015 6/30/2015 Energy Type: Water

Jun Meter Description Square Area Units Area Served
012329-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
~~Fees~~ gal	122.00	\$1.01	\$123.74

Total Cost for Time Period: \$123.74

Cost / Square Area Units: \$0.0003

08/30/2014 9/30/2014 Energy Type: Water

sep Meter Description Square Area Units Area Served
012329-water 362,054.00

<u>Energy Units</u>	<u>Quantity Used</u>	<u>Unit Cost</u>	<u>Total Cost</u>
~~Fees~~ gal	314.00	\$0.93	\$291.24

Total Cost for Time Period: \$291.24

Cost / Square Area Units: \$0.0008

BUILDING UTILITY USAGE

Building: KMC 1ST FL

Period Start Period End

Building 6

07/01/2015 7/31/2015 Energy Type: Water

Meter Description Square Area Units Area Served

012329-water 362,054.00

Energy Units

~~Fees~~ gal

Quantity Used

319.00

Unit Cost

\$0.97

Total Cost

\$308.92

Total Cost for Time Period: \$308.92

Cost / Square Area Units: \$0.0009

10/01/2014 10/31/2014 Energy Type: Water

Meter Description Square Area Units Area Served

012329-water 362,054.00

Energy Units

~~Fees~~ gal

Quantity Used

403.00

Unit Cost

\$0.92

Total Cost

\$371.34

Total Cost for Time Period: \$371.34

Cost / Square Area Units: \$0.0010

Dates Reported: From: 8/30/2014 To: 7/31/2015

Total Cost for Building: \$1,261.26

Cost / Square Area Units: \$0.0003

CRITERIA USED IN THIS REPORT

BillingStartDate >= 8/19/2014 And
BillingEndDate <= 8/19/2015 And
MeterDesc Like "*012329-water*"

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D0067775

Drilling Permit No. 872936

Water right or injection well # _____

2. OWNER: Kootenai Medical Center

Name _____

Address 2300 Lincoln Way

City Coeur d' Alene State ID Zip 83814

3. WELL LOCATION:

Twp. 50 North ☒ or South ☐ Rge. 04 East ☐ or West ☒

Sec. 11 1/4 SW 1/4 NE 1/4

Gov't Lot _____ County Kootenai

Lat. 47 ° 41 : 683 (Deg. and Decimal minutes)

Long. 116 ° 47 : 547 (Deg. and Decimal minutes)

Address of Well Site Same

City Coeur d' Alene

(One of local name of road + Distance to Road or Landmark)

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite	0	58	2150 lbs.	Dry Pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
12"	+2	335	.375	Steel	☒	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 370'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Stainless Stl

Method of installation Telescope

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
336'	356'	50	10'	11.5	Stainless	

Length of Headpipe 5' Length of Tailpipe 0

Packer ☒ Y ☐ N Type Rubber

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
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11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 235 Static water level (ft) 235

Water temp. (°F) Cold Bottom hole temp. (°F) Cold

Describe access port Welded steel cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
356	400+	4 hr's	☐	☐	☒	☐

Water quality test or comments: Clear

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
16	0	2	Top Soil		X
16	2	34	Sand & Gravel		X
16	34	60	Coarse Sand		X
14	60	123	Coarse Sand		X
14	123	235	Sand, Gravel & Cobbles		X
14	235	365	Sand, Gravel & Cobbles	X	

RECEIVED

OCT 06 2014

IDWR / NORTH

Completed Depth (Measurable): 356'

Date Started: Sep 9, 2014

Date Completed: Sep 22, 2014

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name H2O Well Service Inc. Co. No. 448

*Principal Driller [Signature] Date Sep 24, 2014

*Driller [Signature] Date 9-25-14

*Operator II [Signature] Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.