

ORIGINAL

RECEIVED

NOV 23 2015

Ident. No. 63-34160

AMENDED

11/17/2015

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WESTERN REGION
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

1. Name of applicant(s) City of Boise Phone (208) 395-7840
Name connector (check one): ☐ and ☐ or ☐ and/or
Mailing address Boise City Hall, 150 N. Capitol Blvd. City Boise
State ID Zip 83701-500 Email dfluke@cityofboise.org
2. Source of water supply groundwater which is a tributary of _____
3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
2N	2E	31		SE	SE	SE	Ada	groundwater	new well

4. Water will be used for the following purposes:
- Amount 0.08 for domestic purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount 0.08 for heating purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount 0.01 for cooling purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 0.08 cubic feet per second (cfs) and/or (b) _____ acre feet per year (af).
6. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. well and pump
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No
- c. Proposed well diameter is 8 inches; proposed depth of well is 450 feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☒ Yes ☐ No
- e. If well is already drilled, when? _____; drilling firm _____;
well was drilled for (well owner) _____; Drilling Permit No. _____.
7. Description of proposed uses (if irrigation only, go to item 8):
- a. Hydropower; show total feet of head and proposed capacity in kW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; complete and attach the Municipal Water Right Application Checklist.
- d. Domestic; show number of households Domestic use in restrooms and drinking fountains at police training range
- e. Other; describe fully. Space heating/cooling system will be installed if low-temperature geothermal resource is developed in proposed well.

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.
See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	2E	31																X	

Total number of acres to be irrigated: _____ X = domestic, heating and cooling uses

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?
None.

10. a. Who owns the property at the point of diversion? 4-D Company, LLC
- b. Who owns the land to be irrigated or place of use? 4-D Company, LLC
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:
See attached.

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

Aquifer zone of appropriation is 350-450 feet. Permit application can be amended to remove heating and cooling uses if constructed well has a bottom-hole water temperature < 85 degrees F. See attached worksheets for heating and cooling water demands (Attachment 1). See attached narrative description of project (Attachment 2). See attached fixture calculations from Musgrove Engineering for domestic use demand (Attachment 3). Domestic use demand is approximate and rounded to 35 gpm on application. Heating demand will be met with 35 gpm as required for domestic system.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Neal S. Oldenmeyer
Signature of Applicant

Signature of Applicant

Neal S. Oldenmeyer
Print Name (and title, if applicable)

Print Name (and title, if applicable)

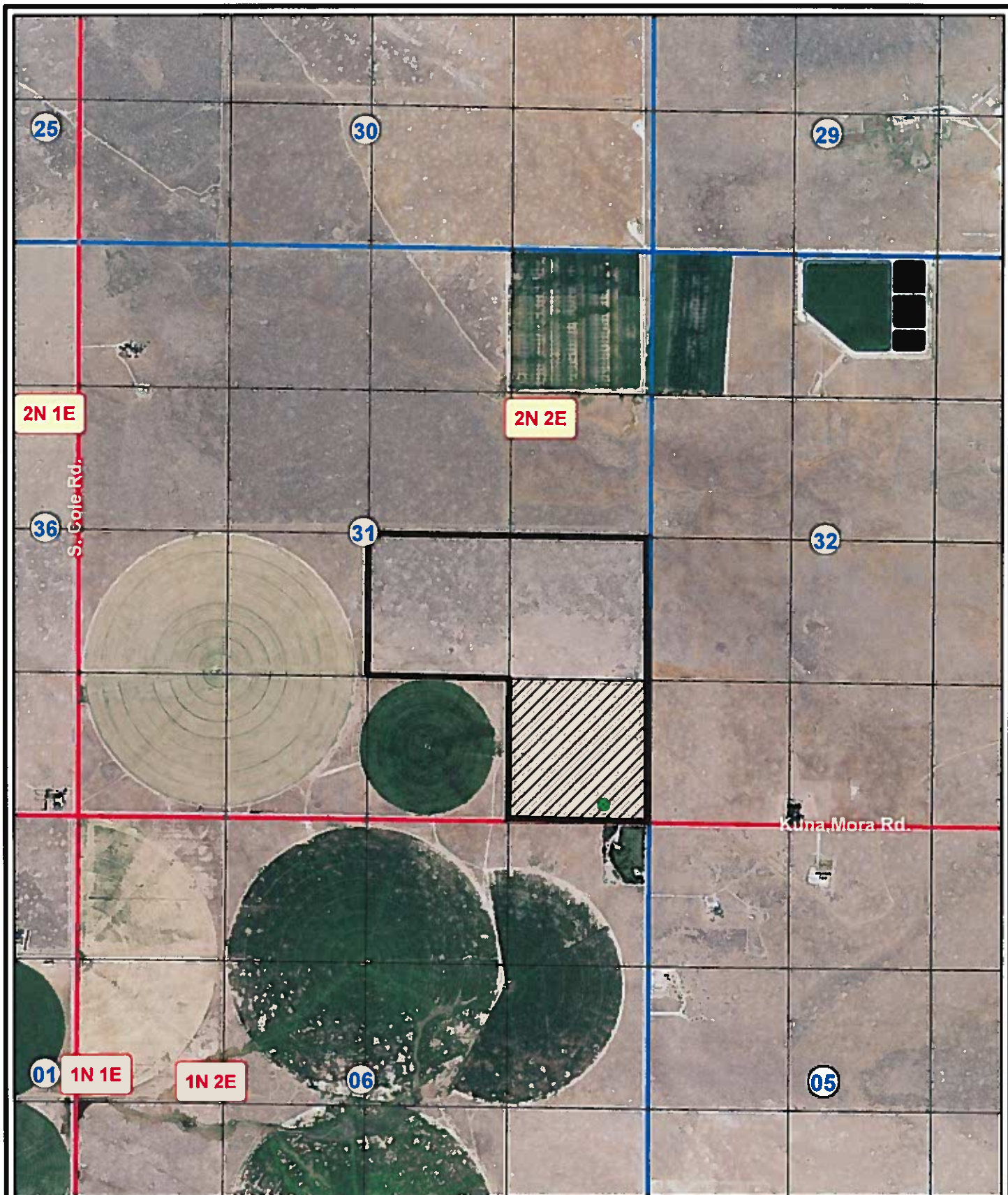
Borise C. City Public Works Director

For Department Use:

Received by CJ Date 10/23/15 Time _____ Preliminary check by PS

Fee \$ 100.00* Received by CJ Receipt No. W043616 Date 10/23/15

* received with original application



- Proposed Well Site
- Proposed Place of Use
- Property Boundary

**Boise Police Department Training Facility
Amended Application Map - November 5, 2015**



0.25

Miles



63-34160

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: SPF Water Engineering
Exam Date: Permit Application Boise Police Department Training Facility
File No: TBD
Computations for: Heating

REQUIRED DATA:

Area of livable floor space, ft ² (A)	2000
2 story? (N=1, Y=2)	1
House efficiency factor (e) *	0.44
Inside design temperature (Ti)	72
Average outside temperature (To) **	4
Source temperature, degrees F (S)	86
Heating/cooling days per season (D)	242 9/15-5/15
Hours/day system operates (H)	24

* e values are as follows:

- 0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
- 0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
- 0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
- 1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
6 deg F Grand View	90 deg F Grand View
-8 deg F Cascade	70 deg F Cascade

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
Formula: $E = [e \times (T_i - T_o)] A$
Applies factor of 0.8 for two-story dwelling

E = 59,840 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
Formula: $T_s = 0.3 \times [S - T_i]$

Ts = 4.2 degrees F

FLOW RATE REQUIRED (at given source temperature)
Formula: $Q = E / (500 \times T_s) \times 448.8$

Q = 0.06 cfs

DIVERTED VOLUME OVER SEASON
Formula: $V_{div} = Q \times D \times H / 24 \times 1.9835$

Vdiv = 30.5 AFA

AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN + 80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: SPF Water Engineering
 Exam Date: Permit Application Boise Police Department Training Facility
 File No: TBD
 Computations for: Cooling

REQUIRED DATA:

Area of livable floor space, ft ² (A)	2000	
2 story? (N=1, Y=2)	1	
House efficiency factor (e) *	0.44	
Inside design temperature (Ti)	72	
Average outside temperature (To) **	80	
Source temperature, degrees F (S)	86	
Heating/cooling days per season (D)	123	5/16-9/14
Hours/day system operates (H)	24	

* e values are as follows:

- 0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
- 0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
- 0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
- 1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER	SUMMER
4 deg F Boise	80 deg F Boise
6 deg F Grand View	90 deg F Grand View
-8 deg F Cascade	70 deg F Cascade

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
 Formula: $E = [e \times (T_i - T_o)] A$
 Applies factor of 0.8 for two-story dwelling

E = 7,040 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
 Formula: $T_s = 0.3 \times [S - T_i]$

Ts = 4.2 degrees F

FLOW RATE REQUIRED (at given source temperature)
 Formula: $Q = E / (500 \times T_s) \times 448.8$

Q = 0.01 cfs

DIVERTED VOLUME OVER SEASON
 Formula: $V_{div} = Q \times D \times H / 24 \times 1.9835$

Vdiv = 1.8 AFA

AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN + 80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.

October 16, 2015

Angie Grimm
Idaho Department of Water Resources
Western Region Office
2735 Airport Way
Boise, Idaho 83705-5082

Re: *Water Right Permit Application for the City of Boise*

Dear Ms. Grimm:

4-D Company owns an approximate 120-acre parcel on Kuna-Mora Road in Ada County, Idaho. The location of the property is described on the attached deed.

We hereby authorize the City of Boise to submit a water right application to develop a water supply for a Boise Police Department training range on the site.

Sincerely,

Charles E. Dorsey, President
4-D Company, LLC

10-17-15
Date

State of Idaho)
County of *Ada*) SS.
_____)

Subscribed and sworn (or affirmed) before me this *17th* day of *October*, 2015.



[Signature]
Notary Public
Residing at *1050 W. Overland Ed Boise, Idaho 83709*
My Commission Expires *July 13, 2021*

Musgrove Engineering, P.A.
234 S. Whisperwood Way, Boise, Idaho 83709
Plumbing Calculations - Water Supply

Date: 99/26/2012
Job Number: 12-011
Job Name: MHS

Computed By: KJL
Checked By: CEP

Water Main Sizing

P = Pressure in street main	50	(PSI)
H = Height to highest fixture above street	15	(ft.)
F = Minimum pressure required at fixture	22	(PSI)
Flush Valves in system?	No	
Total Water Fixture units (from Plumbing Fixtures worksheet)	61.5	
Total GPM for building (From Fixture units in Chart A-3 from UPC)	33.5	(GPM)
Pressure loss in meter		(PSI)
Pressure loss in backflow device		(PSI)
M = Pressure loss in meter and Backflow device	0	(PSI)
Length from meter to furthest fixture	50	(ft.)
L = Total equivalent length + 50% safety factor	75	(ft.)
Q = Friction loss available per 100 ft. of equivalent length of pipe	28.7	(PSI)
$Q = [P - (0.43 * H) - F - M] * 100 / L$		

Water Service Main Size (Override to next size up if too close):

1

Water Meter Size (use Chart A-1 pressure loss should be less than 10 PSI):

(in.)

Water Heater Sizing

a. Total GPH (If GPH is not calculated please check GPH per fixture values on 'Plumbing Fixtures' Sheet-may need to 'unhide')	#VALUE!	(GPH)
b. Demand Factor (Table 10)	0	
c. Demand (a x b)	#VALUE!	(GPH)
d. Storage Capacity Factor (Table 10)	0	
e. Storage (c x d)	#VALUE!	(gal.)
f. Cold Water Temperature, standard = 40 (°F)	40	(°F)
g. Water Heater Output Temperature, standard = 120 (°F)	120	(°F)
h. Temperature Difference (°F)	80	(°F)
i. BTUH Output (if gas water heater)	#VALUE!	(BTUH)
j. KW Output (if electric water heater)	#VALUE!	(KW)

Selection:

Manufacturer		
Model #		
k. Storage (Gallons)		(gal.)
l. Heat Output (BTUH or KW)		
m. Recovery	0	(GPH)
	0	(GPH)

Water Heater Branch Size:

Total hot water fixture units (use to calculate branch size to water heater)	5.25	
Hot water GPM (Use Chart A-3)	Out of Range	(GPM)
Q (from above)	28.7	(PSI)
Hot Water Branch Size (Use Chart A-4)	#N/A	

Musgrove Engineering, P.A.

234 S. Whisperwood Way, Boise, Idaho 83709
Plumbing Calculations - Plumbing Fixtures

Date: 99/26/2012

Job Number:

Job Name:

Computed By:

Checked By:

Quantity	Fixture	Description	Branch	Scheduled Connection Sizes ¹					Fixture Units/fixture		Total Fixture Units			Water Heater Sizing	
				WASTE	VENT	TRAP	CW	HW	Drainage ²	Water ³	Drainage	Cold Water	Hot Water	HW GPH per fixture ⁶	Total HW
				gty.											GPH
1	DF-1	Drinking Fountain		1 1/2	1 1/2	1 1/4	1/2	--	0.5	0.5	0.5	0.5	--	--	--
	DW-1	Dishwasher		--	--	--	--	1/2	2	1.5	0	--	0	0	0
1	EYE-1	Emergency Eyewash		1 1/2	1 1/2	1 1/4	1/2	--	2	1	2	1	--	--	--
	EYE-2	Emergency Shower		--	--	--	1 1/4	--	--	3	--	0	0	--	--
	FD-1	Floor Drain (2")		2	1 1/2	2	--	--	2	--	0	--	--	--	--
	FD-2	Floor Drain (4")		4	2	4	--	--	8	--	0	--	--	--	--
	FS-1	Floor Sink (6")		2	1 1/2	2	--	--	4	--	0	--	--	--	--
	FS-2	Floor Sink (10")		4	2	4	--	--	8	--	0	--	--	--	--
3	HB-1	Hose Bibb		--	--	--	3/4	--	--	2.5	--	4.5	--	--	--
2	LAV-1	Lavatory		1 1/2	1 1/2	1 1/4	1/2	1/2	2	1	4	2	1.5	0	0
1	S-1	Sink (kitchen/laundry/bar)		2	1 1/2	1 1/2	1/2	1/2	2	2	2	2	1.5	?	#VALUE!
	S-2	Sink (food waste/spec. purpose)		2	1 1/2	1 1/2	1/2	1/2	3	2	0	0	0	?	#VALUE!
	SHR-1	Shower		2	1 1/2	2	1/2	1/2	2	2	0	0	0	0	0
1	SS-1	Service Sink		3	2	3	1/2	1/2	3	3	3	3	2.25	0	0
	TD-1	Trench Drain (6" wide)		2	1 1/2	2	--	--	4	--	0	--	--	--	--
	TD-2	Trench Drain (10" wide)		4	2	4	--	--	8	--	0	--	--	--	--
	TUB-1	Bath tub or combo shower		2	1 1/2	2	1/2	1/2	2	4	0	0	0	0	0
	U-1	Urinal		2	1 1/2	int.	3/4	--	2	See Note 4	0	0	--	--	--
1	WB-1	Wall Box - Ice Maker		--	--	--	1/2	--	--	1	--	1	--	--	--
	WB-2	Wall Box - Wash Machine		2	1 1/2	2	1/2	1/2	3	4	0	0	0	0	0
2	WC-1	Water Closet (Flush Tank) ⁵		3	2	int.	1/2	--	4	2.5	8	45	--	--	--
0	WC-2	Water Closet (Flush Valve) ⁵		3	2	int.	1	--	4	See Note 4	0	0	--	--	--
1	YH-1	Yard Hydrant		--	--	--	3/4	--	--	2.5	--	2.5	--	--	--
	Other	Other		--	--	--	--	--	0	0	0	0	0	--	0
13	Add Fixture		Total ⁷	3	2	1	#N/A		Total:	19.5	61.5	5.25	Table 12	#VALUE!	
	Hide Unused		Branch ⁷	1 1/2	1 1/4		#N/A	#N/A	Branch	0	0	0			

Building usage for sizing water heater:

Other

RECEIVED

OCT 23 2015

WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoIdent. No. 63-34160

1. Name of applicant(s) City of Boise Phone (208) 395-7840
 Name connector (check one): ☐ and ☐ or ☐ and/or
 Mailing address Boise City Hall, 150 N. Capitol Blvd. City Boise
 State ID Zip 83701-500 Email dfluke@cityofboise.org

2. Source of water supply groundwater which is a tributary of _____

3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
2N	2E	31		SE	SE	SE	Ada	groundwater	new well

4. Water will be used for the following purposes:

Amount 0.08 for domestic purposes from Jan 1 to Dec 31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount 0.06 for heating purposes from Sept 15 to May 15 (both dates inclusive)
 (cfs or acre-feet per year)

Amount 0.01 for cooling purposes from May 16 to Sept 14 (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) 0.08 cubic feet per second (cfs) and/or (b) _____ acre feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. well and pump

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No

c. Proposed well diameter is 8 inches; proposed depth of well is 450 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☒ Yes ☐ No

e. If well is already drilled, when? _____; drilling firm _____;
 well was drilled for (well owner) _____; Drilling Permit No. _____.

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; complete and attach the Municipal Water Right Application Checklist.

d. Domestic; show number of households Domestic use in restrooms and drinking fountains at police training range

e. Other; describe fully. Space heating/cooling system will be installed if low-temperature geothermal resource is developed in proposed well.

superceded by amended application received 11/23/2015

8. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.
See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	2E	31																X	

Total number of acres to be irrigated: _____ X = domestic, heating and cooling uses

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?

None.

10. a. Who owns the property at the point of diversion? 4-D Company, LLC

b. Who owns the land to be irrigated or place of use? 4-D Company, LLC

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:
See attached.

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

Aquifer zone of appropriation is 350-450 feet. Permit application can be amended to remove heating and cooling uses if constructed well has a bottom-hole water temperature < 85 degrees F. See attached worksheets for heating and cooling water demands.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

SA *436

Signature of Applicant

Signature of Applicant

DEPUTY CHIEF SCOTT MULCAHY

Print Name (and title, if applicable)

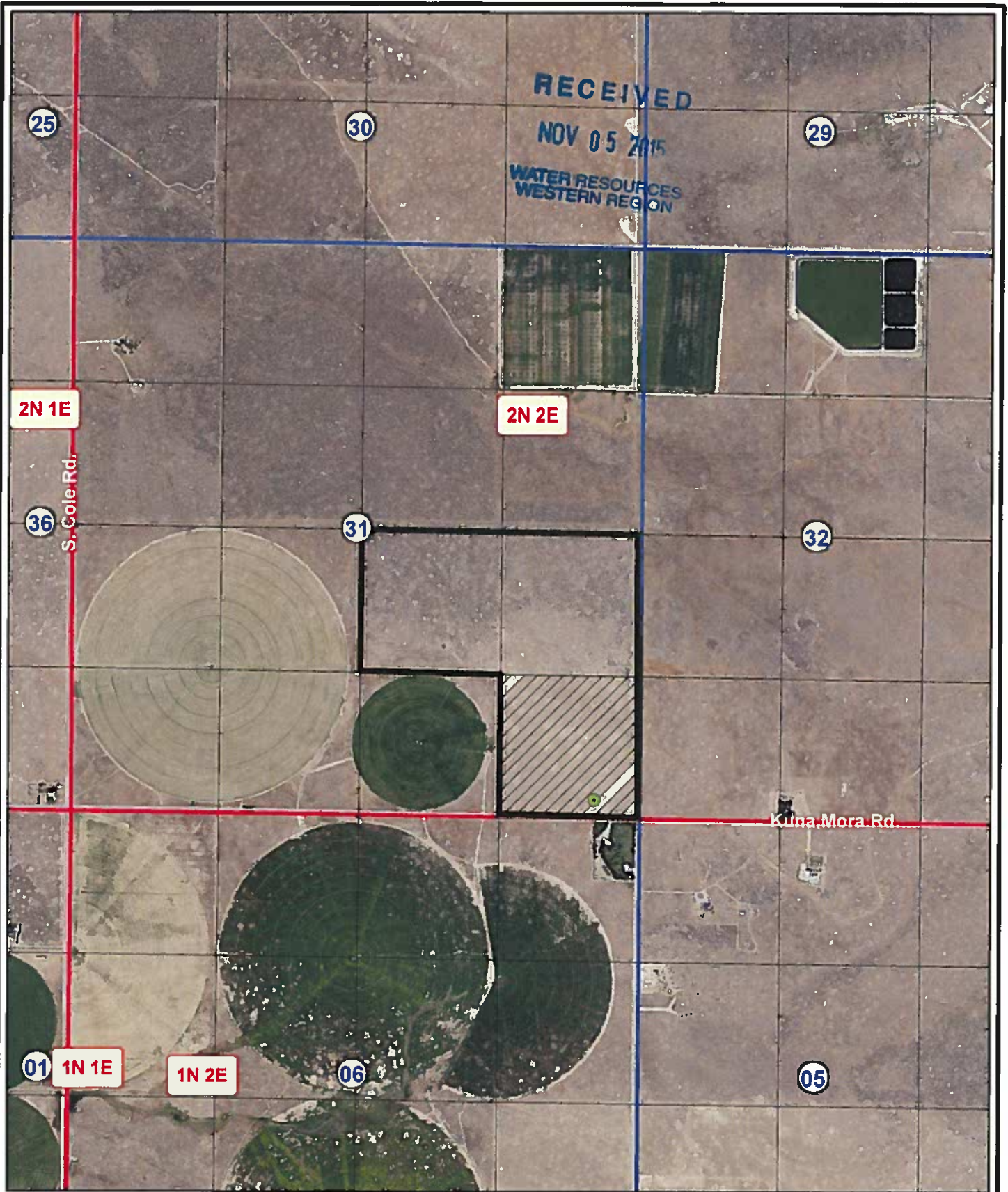
Print Name (and title, if applicable)

Received by SA Date 10/23/15 Time 2:30 Preliminary check by PH
Fee \$ 100⁰⁰ Received by SA Receipt No. WDY3616 Date 10/23/15

RECEIVED

NOV 05 2015

WATER RESOURCES
WESTERN REGION



Proposed Well Site



Proposed Place of Use



Property Boundary

Boise Police Department Training Facility
Amended Application Map - November 5, 2015



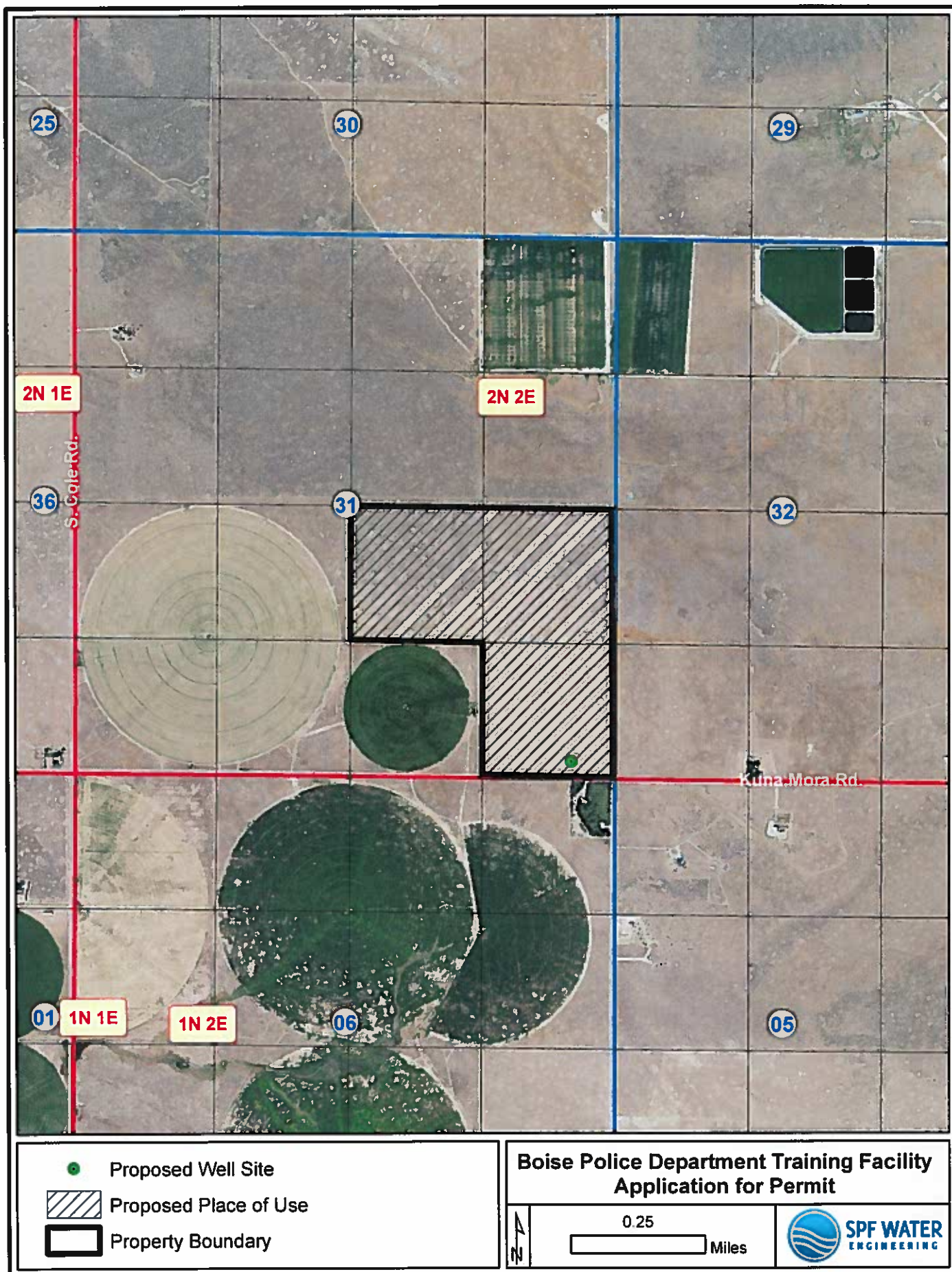
0.25

Miles



SPF WATER
ENGINEERING

* amended map received 11/5/2015



* recieved with original application 10/23/15

Neely, Rachel

From: Neely, Rachel
Sent: Thursday, December 10, 2015 12:29 PM
To: 'LEGALS@IDAHOSTATESMAN.COM'
Subject: Ada Legal Ads
Attachments: Ada Cover Letter.docx; Ada Legal Ad.docx

Good Afternoon Legal Clerk,

Please see the attached ads for publication on 12/17/15 & 12/24/15.

Please confirm these are okay to publish as shown.

Thank you,

Rachel Neely

Administrative Assistant I
IDWR-Western Region
2735 Airport Way Boise, ID 83705
Rachel.Neely@idwr.idaho.gov

December 10, 2015

LEGAL NOTICE DEPARTMENT
IDAHO STATESMAN
PO BOX 40
BOISE, ID 83707

RE: Application for Permit No. 63-34158
Application for Permit No. 63-34160
Application for Permit No. 63-34143
Application for Amendment of a Permit No. 63-33074

Dear Legal Notice Department:

Please publish the enclosed legal notices on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notices on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 1/4/2016. Your cooperation is appreciated.

Sincerely,

Rachel Neely
Administrative Assistant

Enclosure(s)

The following applications have been filed to appropriate the public waters of the State of Idaho:

63-34158

WEST ADA SCHOOL DISTRICT

1303 E CENTRAL DR

MERIDIAN, ID 83642

Point of Diversion L1(NENE) S6 T04N R01W ADA County Source GROUND WATER

Use: IRRIGATION 03/01 to 11/15 0.44 CFS

Total Diversion: 0.44 CFS

Date Filed: 10/22/2012

Place of Use: IRRIGATION

T04N R01W S6 L1(NENE)

Water bearing zone to be appropriated is from 50 to 200 feet.

63-34160

CITY OF BOISE

150 N CAPITAL BLVD

PO BOX 500

BOISE, ID 83701

Point of Diversion SESESE S31 T02N R02E ADA County Source GROUND WATER

Use: COOLING 01/01 to 12/31 0.01 CFS

Use: DOMESTIC 01/01 to 12/31 0.08 CFS

Use: HEATING 01/01 to 12/31 0.08 CFS

Total Diversion: 0.08 CFS

Date Filed: 10/23/2015

Places of Use: DOMESTIC, HEATING, COOLING

T02N R02E S31 SESE

Water bearing zone to be appropriated is from 350 to 450 feet.

Domestic use is for drinking fountains and restrooms at a police training range

63-34143

JAYA SIEVERS

GLORIA QUACKENBUSH

7161 HOLLILYNN DR

BOSIE, ID 83709

Point of Diversion L3(NWSW) S7 T02N R02E ADA County Source GROUND WATER

Use: IRRIGATION 03/01 to 11/15 0.14 CFS

Total Diversion: 0.14 CFS

Date Filed: 9/18/2015

Place of Use: IRRIGATION

T02N R02E S7 L3(NWSW)

Total Acres: 4.5

Water bearing zone to be appropriated is from 300 to 338 feet.

PROPOSED AMENDMENT OF WATER PERMIT

Lavar and/or Layne Thornton of 2800 Forrey Rd, Kuna, ID 83634 filed Application No. 80558 on 11/23/15 to amend a water permit no. 63-33074 with a 2008 priority from groundwater totaling 3.3 cfs for irrigation. The permit provides irrigation water for property located to the southeast of Cloverdale and Kuna Mora Road in Kuna. The applicant proposes to amend the permit to add a point of diversion in the SWSW corner of T02N R01E Sec 34 in Ada County. The water bearing zone to be appropriated is from 180 to 360 feet.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190; or for a full description of the right(s) or proposed amendment(s), please see www.idwr.idaho.gov/WaterManagement/WaterRights. Protests may be submitted based on the criteria of Idaho Code §§ 42-203A and 42-211. Any protest against the approval of the application(s) must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 1/4/2016. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 12/17/2015 and 12/24/2015



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

December 10, 2015

CITY OF BOISE
150 N CAPITAL BLVD
PO BOX 500
BOISE, ID 83701

Application for Permit No. 63-34160

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the IDAHO STATESMAN on 12/17/2015 and 12/24/2015. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,

Rachel Neely
Administrative Assistant

CC:
SPF WATER ENGINEERING LLC
C/O ROXANNE BROWN
300 E MALLARD DR STE 350
BOISE, ID 83706



SPF WATER
ENGINEERING

November 23, 2015

Phill Hummer
Idaho Department of Water Resources
Western Region Office
2735 Airport Way
Boise, ID 83705-5082

RECEIVED

NOV 23 2015

WATER RESOURCES
WESTERN REGION

Hand-Delivery

Re: Application for Permit 63-34160
Boise Police Department Training Facility

Dear Phil,

In response to your correspondence dated November 4, 2015, we are pleased to submit the attached amended *Application for Permit*. As requested, the amended application changes the diversion rate for heating to 0.08 cfs (to match the diversion rate for domestic use), and the season of use for heating and cooling to year-round use. The total quantity requested is not changed. The application has been signed by the Boise City Public Works Director Neal Oldemeyer. We are informed that Mr. Oldemeyer has authority to sign the application.

We are also providing two plumbing calculation worksheets prepared by Musgrove Engineering to estimate water demands at the site. Musgrove estimates 33.5 gallons per minute will be required to supply domestic water for the site. This estimate has been rounded up to 35 gpm (0.08 cfs) on the application. The heating equipment will be designed to operate using the diversion rate required for the domestic supply.

The City of Boise is currently in a very short due-diligence phase of the land acquisition, and the land is of little value to the City if it cannot obtain a water right. For this reason, the City respectfully requests that processing of their permit application continue to be expedited.

Please contact me with any additional questions.

Best Regards,

Roxanne Brown
Sr. Water Rights Specialist

CC: Daren Fluke, City of Boise
Tamara Thompson, The Land Group

Enclosures

SPF Job No. 513.0180

Hummer, Phill

From: Roxanne Brown [RBrown@spfwater.com]
Sent: Thursday, November 05, 2015 9:27 AM
To: Hummer, Phill
Subject: RE: City of Boise Application For Permit
Attachments: Amended Map (2015-11-05).pdf

Phill – Please see the attached amended map for the City of Boise application. Please substitute this corrected map in the application.

Thank you,

Roxanne

From: Hummer, Phill [<mailto:Phill.Hummer@idwr.idaho.gov>]
Sent: Thursday, November 05, 2015 7:55 AM
To: Roxanne Brown
Subject: City of Boise Application For Permit

Hi Roxanne,

In reviewing this application and preparing it for advertising I discovered some minor issues that need to be addressed before the application can be advertised and approved. Attached is a letter than outlines the issues we discussed on the phone, a POU clarification, and verification of the authority of the signator. Please let me know if you have any questions regarding these issues.

Phill Hummer

Water Resource Agent

Idaho Department of Water Resources

Phone: (208) 334-2190

Fax: (208) 334-2348

Email: phill.hummer@idwr.idaho.gov

COPY



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

11/4/2015

CITY OF BOISE
C/O ROXANNE BROWN
300 E MALLARD DR STE 350
BOISE ID 83706

Re: Water Right Permit Application No. 63-34160 Additional Information Required

Dear Applicant:

Your recent application for permit proposing the use of water for domestic, heating and cooling use is being processed. The application has been assigned a priority date but cannot be processed further until the following items are clarified:

- 4 - Proposed Beneficial Use was not provided correctly.
 - 4b - Amount
The amount of water for domestic use needs to be reduced to 0.06 cfs or the amount for heating must be increased to 0.08 cfs.
 - 4c - Period of Use
The department standard for the period of use for domestic, heating, and cooling is 1/1 – 12/31. Please amend the time period to 1/1 – 12/31.
- 5 - Total Quantity.
Please amend the total quantity to be appropriated to reflect any changes made to section 4, proposed beneficial use.
- 8 - Place of Use was not provided correctly.
Please amend section 8, place of use, to show every QQ where water will be used for the described uses. Based on the map submitted with the application the place of use may also be in the NE ¼ SE ¼ and NW ¼ SE ¼ of section 31, Twp 02N, Rge 02E.

- The Signature and/or Title.
Please submit a statement from the City of Boise Legal Counsel or an elected official of the City of Boise granting Deputy Chief Scott Mulcahy the authority to sign this application.
- Justification.
Please submit any designs, schematics, and/or descriptions of the proposed facility that will demonstrate that the requested amount for domestic use is a valid and reasonable amount for the proposed project.

Please submit the requested information for the application to be processed. You may seek additional time to provide the information by making a written request to interrupt processing for up to six months. The application will be voided without a timely written reply within the next thirty (30) days. Refunds are not issued for voided applications. IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please contact me at 208-334-2190 if you need more information. Thank you for your attention to these matters.

Sincerely,

Phill Hummer
Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Fax: (208) 334-2348
Email: phill.hummer@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

COPY

C.L. "BUTCH" OTTER, Governor
DAVID R. TUTHILL, JR., Director

11/4/2015

City of Boise
C/O Roxanne Brown
SPF WATER ENGINEERING LLC
300 E MALLARD DR STE 350
BOISE ID 83706

Re: Application for Permit No. 63-34160

Dear Roxanne:

Here is the copy of the application so that you can make the necessary amendments as discussed via email. Briefly, please amend section 4 to reflect the appropriate amount of water for heating and domestic use.

Please submit the requested information for application processing to continue. The applicant may seek additional time to provide the information by making a written request to delay or interrupt processing. A response including the requested information, or a request for more time to seek the information, must be received within 30 (30) days. The application will be voided without a timely written reply.

Please let me know if need more information. Thank you for your attention to these matters.

Sincerely,

Phill Hummer
Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Fax: (208) 334-2348
Email: phill.hummer@idwr.idaho.gov

Hummer, Phill

From: Hummer, Phill
Sent: Wednesday, November 04, 2015 10:29 AM
To: 'Roxanne Brown'
Cc: 'DFluke@cityofboise.org'; 'tamara@thelandgroupinc.com'
Subject: City of Boise Application for Permit Domestic and Heating

Hi Roxanne,

I am working on the application for permit for the City of Boise police training facility. The domestic use and heating use need to be the same amount. So there are two options available to address this issue. One option would be to decrease the domestic use to 0.06 cfs. If you want to go this route we can advertise the application as is, but we will only approve 0.06 cfs for domestic use. If the applicant needs 0.08 cfs for domestic use than would have to increase the heating amount to 0.08 cfs. This would require an amended application and a statement explaining why the applicant is requesting more heating use than the heating/cooling worksheet calculated. For either option we require a justification for the rate requested for domestic use (can be submitted after advertising). Additionally, the standard season of use for heating and cooling is the entire year, so if you do not have any objects this will be changed. I am going to preemptively mail a copy of the application to you in case you want to amend it, or if it is faster I can have one available for pick at this office. Please let me know how you would like to proceed and this department will try to do what we can to approve this application for permit quickly.

Phill Hummer

Water Resource Agent

Idaho Department of Water Resources

Phone: (208) 334-2190

Fax: (208) 334-2348

Email: phill.hummer@idwr.idaho.gov



SPF WATER
ENGINEERING

RECEIVED
OCT 23 2015
WATER RESOURCES
WESTERN REGION

October 23, 2015

Angela Grimm
Idaho Department of Water Resources
Western Region Office
2735 Airport Way
Boise, ID 83705-5082

Re: Application for Permit – Boise Police Department Training Facility

Dear Angie,

On behalf of the City of Boise, we are pleased to submit the enclosed *Application for Permit*. The application seeks authorization to develop a water right for a proposed training facility for the Boise Police Department on Kuna-Mora Road south of Boise.

Some groundwater wells in the general area of the proposed City well produce low-temperature geothermal water. In anticipation that LTG water is developed, the application provides a plan for use of the heat value of the resource for space heating and cooling of the facility, consistent with Idaho Code § 42-233. SPF and City staff previously met with Nick Miller and Jeff Peppersack concerning this application and the requirements of the statute.

The City of Boise is currently in a very short due-diligence phase of the land acquisition, and the land is of little value to the City if it cannot obtain a water right. For this reason, the City respectfully requests that processing of their permit application be expedited. Quick review of the application will provide necessary information to the City for final decision-making concerning purchase of the property with taxpayer funds.

We understand the filing fee for this application is \$100.00. You will find a check for that amount enclosed. Please contact me with any questions.

Best Regards,

Roxanne Brown
Sr. Water Rights Specialist

CC: Daren Fluke, City of Boise
Tamara Thompson, The Land Group

Enclosures

SPF Job No. 513.0180