79733

FORM 202 11/13

RECEIVED
DEC 23 2014
IDWR/NORTHERN

Ident. No. 95-16962

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of applicant(s) Hayden Lake Irrigation District Phone (208) 772-2612
   Name connector (check one): ☐ and ☒ or ☐ and/or
   Mailing address 2160 W. Dakota Ave. City Hayden
   State ID Zip 83835 Email alan@haydenirrigation.com
2. Source of water supply Ground which is a tributary of _____
3. Location of point(s) of diversion: See attachment A

TWP	RGE	SEC	Govt Lot	¼	¼	¼	County	Source	Local name or tag #

4. Water will be used for the following purposes:
   Amount 5 cfs (cfs or acre-feet per year) for Municipal purposes from 1/1 to 12/31 (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
   Amount _____ (cfs or acre-feet per year) for _____ purposes from _____ to _____ (both dates inclusive)
5. Total quantity to be appropriated is (a) 5 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. Vertical line shaft pump with a capacity of 3000 gpm connected to existing distribution
   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 16" 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? October 2014; drilling firm O'Keefe Drilling; well was drilled for (well owner) Hayden Lake Irrigation Dist; 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 Current 2500 +/-
   e. Other; describe fully. _____

8. Description of place of use: Hayden Lake Irrigation District service area

   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. See attachment Table A

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total number of acres to be irrigated: 2550

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?

95-7800, 95-8581, 95-9212, 95-8279, 95-8273, 95-9242

10. a. Who owns the property at the point of diversion? Hayden Lake Irrigation District

    b. Who owns the land to be irrigated or place of use? Place of use is District service area

    c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: Applicant is a municipal water provider

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

District requests an additional 5 cfs for municipal use within the service area to meet current demands which are in excess of existing water rights. This request is supported by experienced water shortages in 2014 and anticipated growth within the service area.

12. Time required for completion of works and application of water to proposed beneficial use is ~~X~~ 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.

Signature of Applicant

Signature of Applicant

BiJay Adams Chairman

Print Name (and title, if applicable)

Alan Miller Administrator

Print Name (and title, if applicable)

For Department Use:

Received by cm Date 12-23-14 Time 2:44 pm Preliminary check by

Fee $ 410.00 Receipted by cm Receipt No. NO 30997 Date 12-23-14

Hayden Lake Irrigation District

Water Right Application

Attachment A

Water Right Permit Item #3

Points of Diversion

Points of diversion currently available to Hayden Lake Irrigation District total 5 municipal wells:

All points located within Township 51 N Range 4 W Boise Meridian
Location to ¼ ¼ ¼ section

One well in the NE ¼ of the NE ¼ Section 14	T51N R4W
Three wells in the SW ¼ of the SE ¼ Section 15	T51N R4W
One well in the NE ¼ of the NW ¼ Section 27	T51N R4W

Water Right Permit Item #8b

Place of Use

See attached Table A (2 pages) illustrating the service area place of use.

Municipal Water Right Application Checklist Item #2

Water Rights

The District currently holds the following municipal water rights:

Right #	Use	Diversion (cfs)	Annual Vol. (af ft)	Service area
95-7800	Municipal	3.8	2751.1	District
95-8581	Municipal	10.92	4237	District
	Irrigation	2.0	300	District
95-9212	Municipal	1.34		District
95-8273	Municipal	(see note 1)	374.5	District
95-8279	Municipal	(see note 1)	553	District
	Irrigation	(see note 1)		District
95-9242	Municipal	1.26	371	District

Note 1: Rights 95-8273 and 95-8279 have a combined total diversion of 3.12 cfs

Water Right No. or App. ID 95-16962

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

MUNICIPAL WATER RIGHT APPLICATION CHECKLIST

FOR AN APPLICATION TO APPROPRIATE WATER FOR MUNICIPAL PURPOSES

An application to appropriate water for municipal purposes must be prepared in accordance with the requirements listed below to be acceptable for processing by the Department. There are two types of permits for municipal water use. The first type of municipal permit provides water for reasonably anticipated future needs (**RAFN**) over a defined planning horizon.[1] The second type of municipal permit, called non-RAFN, provides water solely for use to meet needs that will arise in the near-term (five years).[2] A **non-RAFN** permit may have an annual volume limitation associated with it. Each type of municipal water use has a distinct set of review requirements.

Applicant Name: Hayden Lake Irrigation District

1. Type of Municipal Provider. Applicant must qualify as a Municipal Provider to obtain a municipal water right. See Idaho Code § 42-202B (5). Check one:

   ☐ Type 1 – Municipality
   ☒ Type 2 – Franchise or political subdivision supplying water to a municipality
   ☐ Type 3 – Corporation or association regulated as a "public water supply" system by IDEQ

   ☐ Attach documentation of qualification as a Municipal Provider. See Idaho Code § 42-202(2).

2. List existing Water Rights (permits, licenses, decrees, and beneficial use claims) available to the applicant for municipal needs. These rights may or may not have a purpose of use expressly defined as "municipal". Include a separate attachment as needed. See attachment A

Right Number	Nature of Use	Diversion Rate (cfs)	Annual Vol. (acre-feet)	Service Area

3. List the total diversion rate from Item 2. Be sure to account for any combined diversion rate limits in the approval conditions of each right listed. 21.1 CFS (total from 2)

4. List the total volume from Item 2. Be sure to account for any combined volume limits in the approval conditions of each right listed 8586.6 AF (total from 2)

[1] For a thorough discussion of RAFN water rights, see IDWR's *Recommendations for the Processing of Reasonably Anticipated Future Needs (RAFN) Municipal Water Rights at the Time of Application, Licensing, and Transfer*.
[2] For a thorough discussion of non-RAFN water rights, see IDWR's Application Processing Memorandum No. 18.

5. Planning Horizon. See Idaho Code § 42-202B (7). Check one:

☐ RAFN. Specify planning horizon: ___ years. Go to Item 6.
☒ Non-RAFN (≤5 years). Go to Item 7.

6. If application is for RAFN:

☐ Attach justification for planning horizon. See Idaho Code § 42-202(2) and § 42-202B(7).
☐ Attach description of service area. See Idaho Code § 42-202(2) and § 42-202B(9).
☐ Attach population projection within the service area over the planning horizon. See Idaho Code § 42-202(2) and § 42-202B(8).
☐ Attach evaluation for demand within the service area over the planning horizon. See Idaho Code § 42-202(2) and § 42-202B(8).

Does demand exceed the totals listed in Items 3 and 4?

Y	N	
☐	☐	Rate?
☐	☐	Volume?

If the answer is "No" to both rate and volume and a new point of diversion is needed, file a transfer application pursuant to Idaho Code § 42-222(1).

7. If application is for non-RAFN:

When submitting proof of beneficial use, non-RAFN permit holders will be required to show that water was diverted for an additional increment of beneficial use over existing water rights during the authorized development period, which may be up to five years from the date of approval. Do existing demand and short term needs exceed the combined authorizations from the existing water rights listed in Items 3 and 4?

Y	N	
☒	☐	Rate?
☐	☒	Volume?

If the answer is "No" to both rate and volume and a new point of diversion is needed, file a transfer application pursuant to Idaho Code § 42-222(1).

Municipal Use for Water Right # 95-8273 * See note 2 & 3 below

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11																	0
		14																	0
		15																	0
		16																	0
		23																	0
		22																	0
		21																	0
		27		M			M		M	M									107
																		Total Acreage	107

Municipal Use for Water Right # 95-8279 * See note 2 & 3 below

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11																	0
		14																	0
		15																	0
		16																	0
		23																	0
		22									M	M	M	M					160
		21																	0
		27																	0
																		Total Acreage	160

Municipal Use for Water Right # 95-9242 * See note 2 & 3 below

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11																	0
		14																	0
		15																	0
		16																	0
		23																	0
		22					M	M	M	M									106
		21																	0
		27																	0
																		Total Acreage	106

*** Note 1** Water right number 95-8581 was determined to be 100 acres for irrigation purposes, see letter from IDWR to Hayden Lake Irrigation District dated July 14, 2004

*** Note 2:** Water right numbers 95-8273, 95-8279, 95-8269 and 95-9242 deeded to the District.

*** Note 3** The historical beneficial use of rights 95-8273, 95-8279 and 95-9242, that of irrigqation of farm land has since changed to a municial use due to development of residential subdivisions. Name and beneficial use changes on licenses pending approval through adjudication process.

Hayden Lake Irrigation District
Place of Use in 1/4 1/4 sections

Water Right Application Item 8b

Table A

Total Acreage Hayden Lake Irrigation Service Area

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11									40	40	40	40			30	12	202
		14	40	40	40	40	40	40	40	40	40	40	40	40					480
		15	5			5					40	40	40	40	40	40	40	40	330
		16												20		40	40		100
		23	40	40	40	40	40	40	40	40									320
		22	40	12		40	40	40	40	40	40	40	40	40	20		40	40	512
		21	40	40	40	40									40	40	40	40	320
		20													40	20	20	40	120
		26						40	5										45
		27	40	40			40	40	40	40									240
		29	10																10
																		Total Acreage	2679

Municipal use for Water Right # 95-7800

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11									M	M	M	M			M	M	202
		14	M	M	M	M	M	M	M	M	M	M	M	M					462
		15	M			M					M	M	M	M	M	M	M	M	310
		16												M		M	M		100
		23	M	M	M	M	M	M	M	M									320
		22	M	M		M	M	M	M	M	M	M	M	M	M		M	M	246
		21	M	M	M	M									M	M	M	M	320
		20													M	M	M	M	120
		26						M	M										45
		27	M	M			M	M	M	M									133
		29	M																10
																		Total Acreage	2268

Municipal use for Water Right # 95-8581

			NE				NW				SW				SE				Total
Twn	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Acreage
51 N	4 W	11									M	M	M	M			M	M	202
		14	M	M	M	M	M	M	M	M	M	M	M	M					462
		15	M								M	M	M	M	M	M	M	M	310
		16												M		M	M		100
		23	M	M	M	M	M	M	M	M									320
		22	M	M		M	M	M	M	M	M	M	M	M	M		M	M	246
		21	M	M	M	M									M	M	M	M	320
		20													M	M	M	M	120
		26						M	M										45
		27	M	M			M	M	M	M									133
		29	M																10
																		Total Acreage	2268

HAYDEN LAKE IRRIGATION DISTRICT

2160 W. Dakota Ave.
Hayden, Idaho 83835-5122
PH (208) 772-2612 FAX (208) 772-5348
www.haydenirrigation.com

December 2014

Supplemental Information for Application for Water

This supplement is to provide additional information regarding Hayden Lake Irrigation District's request for a new municipal water right in the amount of five cubic feet per second (5 CFS). The purpose of this request for water is to meet current municipal demands; and to provide for some future needs within the Districts current service area.

During the summer of 2014 the District experienced several events where demands placed on the District water supply exceeded production capacity. District response to these events was to curtail water to many irrigation users, and to request voluntary reduction in use by its members (see attached news article). Although some additional water right capacity may exist beyond production capacity, the District finds it would not have met the demand by simply increasing production capacity. The District finds this situation places risk to the public's health and safety.

Future needs have been analyzed and this request is intended to fulfill at least part of the demands those needs would place on the Districts resources. The District is experiencing growth, with both current proposed subdivisions and significant reduction in available residential lots. The reduction in available residential lots is expected to foster increased subdivision development. The future needs are projected within a five to fifteen year horizon, with some needs anticipated as soon as next year.

Analysis completed by the District indicates potential growth of subdivision lots estimated at 1450 residential lots and 525 commercial and industrial lots within the existing current boundary. This represents an increase of 75% from current service connections. Although 75% would appear to represent a significant growth within the time frame; the District has increased approximately 2.4 times in size within the past 14 years.

As a water purveyor the District *must* have capacity in both water rights and physical pumping to meet peak demands. Analysis of the Districts peak hourly demands yields a peaking factor of approximately 3 to 3.5 over max day demand; this is based on current pumping rates, derived from empirical data of the District running full production capacity simultaneously withdrawing from storage during the normal peak demand periods. These periods occur each morning during the summer, with increased demand correlating to hotter, dryer days. Peak use directly correlates to increased use of automated lawn, landscape and common area water systems.

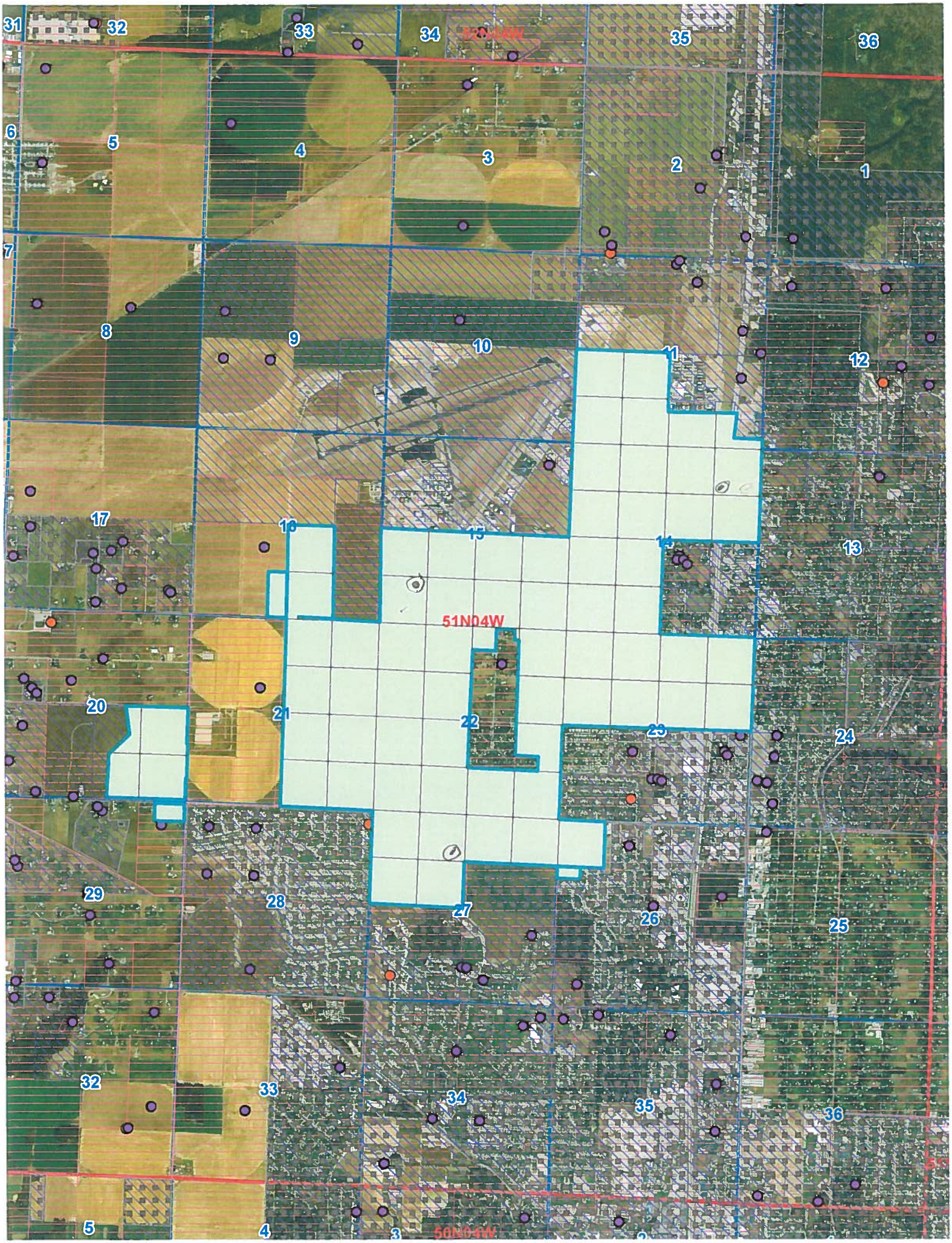
A fourteen year analysis of production data provides two significant findings; the District has reduced its water production per connection by approximately 40%; and normalizing the max month flow to a daily flow points again to a peaking factor of 3.0.

The District recently completed drilling of a new well anticipated to place this request and current water right capacity into production. If additional wells are needed the District is investigating suitable locations. The District is currently working on obtaining increased storage capacity, however proximity of pumping facilities to the local airport facility makes site location of such storage challenging. Prior attempts to achieve this infrastructure were unsuccessful.

For these reasons the District is requesting five (5) cfs of water be allocated to meet current and future needs.

Sincerely,

Alan Miller P.E.
Administrator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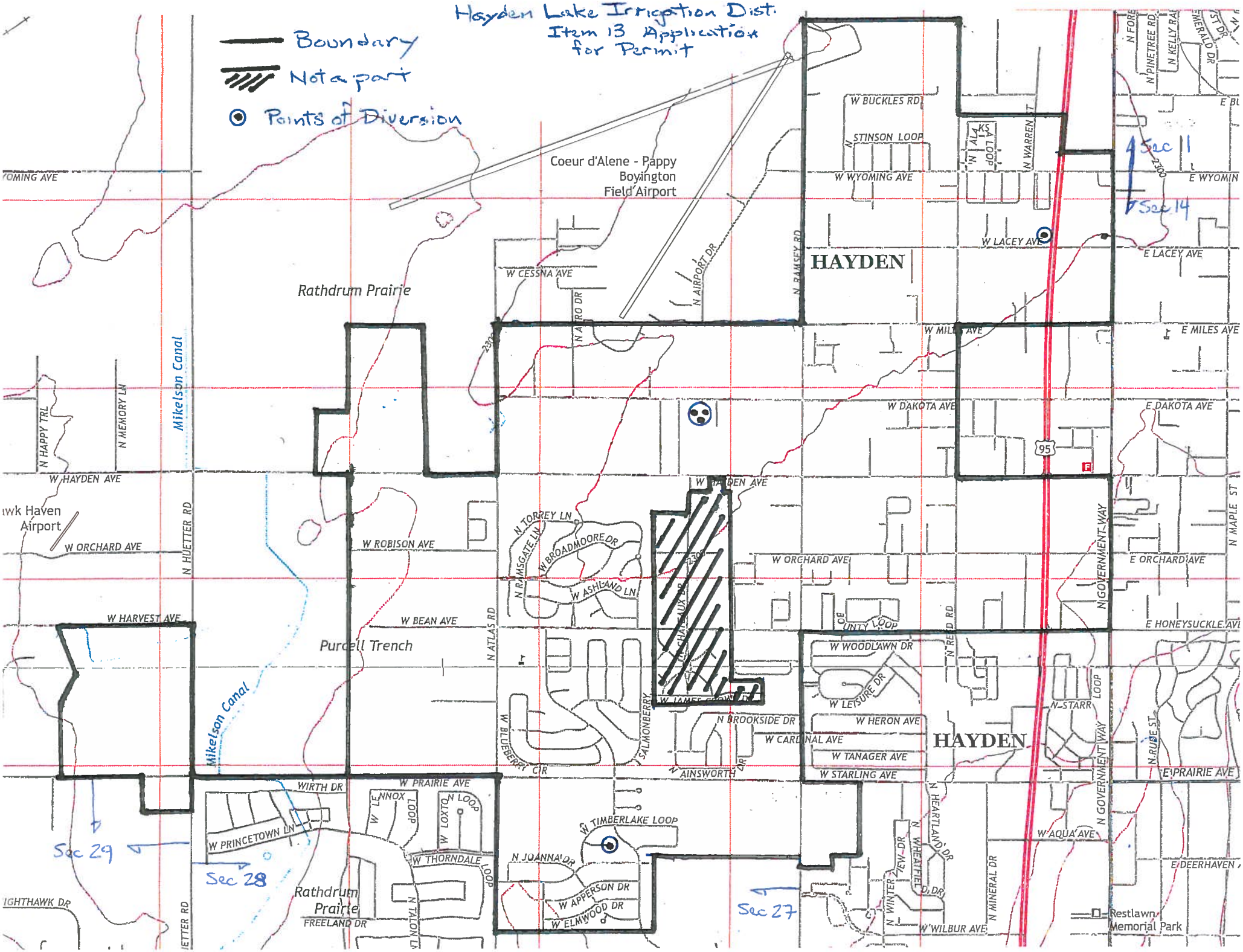
Hayden Lake Irrigation Dist.
Item 13 Application for Permit



Irrigation situation

JEFF SELLE/jselle@cdapress.com | Posted: Saturday, August 2, 2014 12:00 am

HAYDEN LAKE - With summer temperatures expected to stay in the 90s for another week, some water districts are calling on customers to voluntarily cut back on watering the yard.

Sherri Galdi, accounts manager for the Hayden Lake Irrigation District, said its four-pump system is running at full capacity and cannot keep pace with the demand.

"We are seeing spikes in usage during the early morning hours, which we determined is from sprinkler use," she said. "The weather forecast is expecting the hot dry weather to stay for a while."

Galdi said the spike is from 3 a.m. until about 8 a.m., which is typically due to sprinkler timers.

She said the district is asking its customers to voluntarily reduce water use. That includes curtailing irrigation and updating the automatic water systems.

"If customers can water every other day and the separate irrigators change the watering time to run from 8 a.m. to 6 p.m., this will help the district immensely," she said. "That would help balance the demand between the large irrigators and the home use."

While other water districts are seeing increased demand during the hot weather, they are not at full capacity.

North Kootenai County Water District manages 15 water systems across the county, but so far only one of its smallest districts has had to voluntarily conserve water.

"They were running their reservoirs pretty low, so we sent them a letter asking them to voluntarily go to an even-odd watering schedule," said Manager Mike Galante. "Since the letter went out, their reservoirs are staying pretty good."

The city of Coeur d'Alene has the capacity to pump 35 million gallons of water a day during the summer months, but so far it is only pumping about 25 million gallons a day.

Coeur d'Alene Water Superintendent Jim Markley said the city doesn't have a set water conservation policy, but it does encourage its customers to water during the cooler hours of the day.

"We also encourage them to water less frequently, and water deeply," he said. "That actually builds stronger turf too."

He said experts say grass needs about one inch of water per week. He suggests putting out a tuna can when watering to measure how often and how much to irrigate each week.

John Beacham, from the Post Falls Water Department, said water demand is definitely increased during the heat, but it is not having any issues with meeting the demand.

The city of Post Falls does have a water policy stating that customers should not irrigate their lawns between noon and 6 p.m., and that even numbered addresses water on Mondays, Wednesdays and Fridays. Odd numbered homes are only supposed to water on Tuesdays, Thursdays and Saturdays.

State of Idaho
DEPARTMENT OF WATER RESOURCES
Northern Region, 7600 Mineral Drive. Suite 100, Coeur d'Alene, Idaho 83815
Phone: (208) 762-2800 FAX: (208) 762-2819 www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 9, 2015

HAYDEN LAKE IRRIGATION DISTRICT
2160 W DAKOTA AVE
HAYDEN, ID 83835

Application For Permit No. 95-16962

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 COEUR D ALENE PRESS on 1/15/2015 and 1/22/2015. 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,

Eric J Davis

Eric Davis
Water Resource Agent, Senior

Ball, Dianne

From: Ball, Dianne
Sent: Friday, January 09, 2015 10:17 AM
To: Legal Notices-CdA Press; Legal Notices-CdA Press - Chantell White
Cc: Davis, Eric
Subject: Application for Permit No. 95-16962
Attachments: LegalNotice 01-09-15 CDA e-mail 95-16962.doc

Good morning, Chantell

Please publish the enclosed legal notice on the dates indicated, January 15 and 22, 2015 (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

Please send a proof/preview copy for my review before this actually goes to press. It should be very close to press ready for **2**-column, 8 pt, Century Old Style font, with margins justified.

Please note the area of USE with dates and amounts of water (CFS) off set a little.

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 2/2/2015. Your cooperation is appreciated.

Thanks for all your great help in making our legals look sharp! You are greatly appreciated!

Dianne Ball
Administrative Assistant
Idaho Department of Water Resources
7600 N Mineral Dr., Ste. 100
Coeur d'Alene, ID 83815
208-762-2800 Fax 208-762-2819

The following application(s) have been filed to appropriate the public waters of the State of Idaho:
95-16962
HAYDEN LAKE IRRIGATION DISTRICT
2160 W DAKOTA AVE
HAYDEN, ID 83835
Point of Diversion NENE S14 T51N R04W KOOTENAI CO
Points of Diversion(3) SWSE S15 T51N R04W KOOTENAI CO
Point of Diversion NENW S27 T51N R04W KOOTENAI CO
Source GROUND WATER

Use: MUNICIPAL	01/01 to 12/31	5 CFS
	Total Diversion:	5 CFS

Date Filed: 12/23/2014
Place of Use: MUNICIPAL
Municipal use is within service area of applicant.
Permits will be subject to all prior water rights. For additional information concerning the property location, contact Northern Region office at (208) 762-2800; or for a full description of the right(s), please see:
www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp.
Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Northern Region, 7600 Mineral Drive, Suite 100, Coeur D' Alene ID 83815 together with a protest fee of $25.00 for each application on or before 2/2/2015. The protestant must also send a copy of the protest to the applicant.
GARY SPACKMAN, Director
Published on 1/15/2015 and 1/22/2015