



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 12, 2011

Syringa Water & Sewer Company, Inc.
PO Box 168
Coeur d'Alene, ID 83816-0168

Re: Application For Permit to Appropriate the Public Waters of the State of Idaho
No. 95-9324

Gentlemen:

The Idaho Department of Water Resources is in the process of cleaning up outstanding applications for new water rights. Application 95-9324 was protested by Kootenai Environmental Alliance in 2006. Is Syringa Water & Sewer Company, Inc. still interested in pursuing this application? If so, please contact me at 208-762-2800 within the next 30 days.

Thank you.

Sincerely,

Keith E Franklin
Interim Program Manager

COPY

August 11, 2009

RECEIVED

AUG 12 2009

IDWR/North

Mr. Bob Haynes
Idaho Department of Water Resources
Northern Regional Office
7600 Mineral Drive, Suite 100
Coeur d'Alene, ID 83815

RE: Syringa Heights Water Right, No 95-9324

Dear Mr. Haynes:

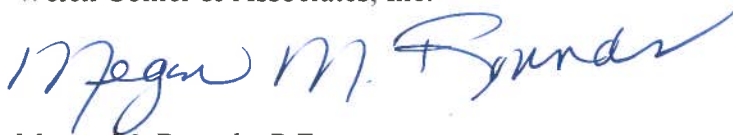
I understand that the Department of Water Resources is in the process of scheduling a hearing for the water right for the Syringa Water and Sewer Company (SWSC). The purpose of this letter is to clarify some additional information.

Welch Comer & Associates, Inc. has completed some additional calculations since the original application. It appears the development will require the capacity of the lake intake system to be 450 gpm pump at buildout. This capacity equates to a instantaneous diversion rate of 1 cfs.

Therefore the applicant requests that the water right be licensed for the instantaneous diversion rate of 1 cfs.

If you have any questions or need additional information, please contact me at 664-9382.

Sincerely,
Welch Comer & Associates, Inc.



Megan M. Rounds, P.E.
Project Engineer

MMR/mmr

cc: Syringa Water & Sewer Co.

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IDAHO

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September 7, 2006

Keith Franklin
 Idaho Dept. of Water Resources
 1910 Northwest Blvd., #210
 Coeur d'Alene, ID 83814

Re: Syringa Heights Water Right, No 95-9324

Dear Mr. Franklin:

The Syringa Water and Sewer Company (SWSC) has retained our firm to assist in preparing the information requested in your letter of June 8, 2006. Please note that SWSC requests to reduce the amount of their requested water right from 2.0 cfs to 0.67 cfs. Also, SWSC requests that the water right be given a municipal designation.

It should also be noted that the projected residential irrigation water requirements are based on actual water use data from the SWSC system.

The information requested is presented as follows:

1. Lake Coeur d'Alene will be the sole source of water.
2. Ultimately, the water system is planning on serving the following homes:

Silver Beach	9 homes
Syringa Heights 5 th Addition	21 homes
Hamilton Family Property	16 homes
Bruce Property	5 homes
Syringa Heights 1-4 th Addn.	25 homes
Proposed Condominiums	60 units

Total: 76 Homes and 60 condo units.

3. The average lot size in the Syringa Heights subdivisions is approximately 2.5 acres. The average yard size is approximately .5 acre.
4. The average lot/yard sizes in Silver Beach are .75/.125 acres.
5. The anticipated lot /yard sizes for the Hamilton Family Property are 2.5/.5 acres.

76 x 0.6 = 45.6 AF
 60 = 23.5 AF
 69.1 AF

SSAC = 16.5 AF

234.1 AF

6. The anticipated lot/yard sizes for the Bruce property are 3/.5 acres.
7. The anticipated lot size for the condominium units is 17.5 acres with 10 acres of irrigated common area.
8. Estimate for water requirement:
 - a. Domestic
 - i. Residential: Anticipated to be 500 gpd per home. For 76 homes, this equates to 38,000 gpd. It should be noted that the Idaho Department of Environmental Quality (IDEQ) regulates public water systems and generally requires that system be able to provide 800 gpd per connection plus an allowance for irrigation.
 - ii. Condo units: Anticipated to be 350 gpd per unit. For 60 units, this equates to 21,000 gpd for domestic use.
 - b. Irrigation:
 - i. 2,100 gpd per Syringa Heights lot, based on historic peak month total use of 2,600 gpd per connection including both domestic and irrigation. For 46 lots, this equates to 96,600 gpd. Based on a yard size of 0.5 acres, this equates to an irrigation component of 4,200 gpd per irrigated acre. This rate equates to 0.15 inches per day and is used in projecting water demands elsewhere in this analysis.
 - ii. 2,100 gpd per Bruce property lot. For 5 lots this equates to 10,500 gpd.
 - iii. 500 gpd per Silver Beach lot, based on actual use data showing a total peak month average of 1,000 gpd for combined domestic and irrigation. For 9 lots this equates to 4,500 gpd.
 - iv. 2,100 gpd per Hamilton lot. For 16 lots this equates to 33,600 gpd.
 - v. 42,000 gpd for condo units, based on 10 acres common space at 4,200 gpd per acre.
 - vi. 1,260 gpd for irrigated swale area, based on .3 acres.
 - vii. 184,300 gpd for irrigation of 97 acres of mixed timber and fields based on an average of 1,900 gpd per acre.
 - c. Summary:
 - i. The total projected potential domestic water use is 59,000 gpd or 0.092 cfs.

- ii. The total projected potential irrigation water use is 372,760 gpd or 0.58 cfs.
- iii. The total project combined water use is 431,760 gpd or 0.672 cfs.

9. Justification for the requested diversion:

- a. The applicant has reduced their request to 0.67 cfs based on their anticipated needs and the limitations of their intake pump system.
- b. The capacity of the existing lake intake system is 200 gpm but is planned to be upgraded to 300 gpm.

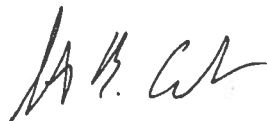
10. Maps are attached showing the proposed service area, infrastructure, and layout.

11. Schedule of anticipated development

Silver Beach	existing	6.75 Ac
Syringa 5 th Addition	buildout by 2009	10.5
Hamilton Family	2 existing, buildout by 2009	8.0
Bruce Property	1 existing, buildout by 2009	2.5
Syringa Heights 1-4	18 existing, buildout by 2009	12.5
Condominiums	buildout by 2011	1.0
		1.3
		50.5

If you have any questions or need additional information, please contact me at 664-9382.

Sincerely,
Welch Comer & Associates, Inc.



Steven B. Cordes, P.E.
Vice-President/Principal Engineer

SBC/ljh

cc: Syringa Water & Sewer Co.