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DEPT OF WATER RESOURCES
SOUTHERN REGION

June 30, 2017

Mr. Corey Skinner
Idaho Department of Water Resources
650 Addison Ave W, Ste 500
Twin Falls, ID 83301-3380

Re: Petition for Reconsideration of Preliminary Order Approving Permit
Amendment 37-22436 / Animal Shelter of Wood River Valley

Dear Mr. Skinner:

Please accept this letter as a formal Petition for Reconsideration of the above-referenced Amendment of Permit. The permit originally allowed 0.64 cfs and 68.4 afa for Municipal purposes, with Condition #4 stating "The daily diversion volume for non-domestic uses under this municipal right shall not exceed 2,500 gallons per use and the daily diversion volume for domestic uses under this right shall not exceed 13,000 gallons per dwelling in accordance with Section 42-111, Idaho Code."

An Application for Amendment of Permit was filed, requesting a change in use to Commercial to reflect the nature of the new animal shelter facility. No other changes were requested.

The Department interpreted Condition #4 to restrict the proposed animal shelter use to 2,500 gpd as a "non-domestic" use. The Department also limited the diversion rate to 0.04 cfs, apparently to match the "part (b)" domestic exemption, even though nothing in the original right contained this limitation.

The animal shelter usage is similar to residential in-house usage in that the wastewater will be disposed via an on-site drainfield located on the same property. Excepting insignificant amounts of potential incidental evaporative loss in the wash stations, bathrooms, kitchens, etc., the in-facility usage will be non-consumptive.

The animal shelter requires a considerably greater rate than 18 gpm for its operation. The mechanical engineer on the project has estimated a peak instantaneous flow rate of 65 gpm (see enclosed analysis).

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

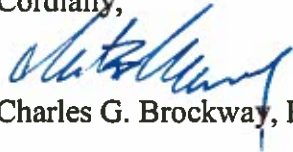
TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506

You indicated that in evaluating the amendment application the Department considered whether the use could have been originally approved under the moratorium. Due the non-consumptive nature of the facility, the moratorium would have allowed a larger rate to have been approved. Therefore, the Department should not limit the diversion rate on this water right. The peak rate which is actually put to beneficial use should be determined through the licensing process in the usual way.

Cordially,

A handwritten signature in blue ink, appearing to read "Charles G. Brockway", is written over the typed name.

Charles G. Brockway, P.E.

Enc. 2020 Engineering fixture unit analysis
cc: ASWRV c/o Kyle Baysinger

Plumbing Data Sheet - 2012 IPC

11/22/2016

Project Wood River Valley Shelter

Job No. 16014

Date 8/22/16 By: SLC

TANK		Water Fixture Units						Waste Fixture Units		Hot Water Load	
Quantity	Fixture Type	C/H	Total	COLD	Total	HOT	Total	Public	Total	GPH Ea.	Total GPH
0	Bath/Shwr Combination	3	0	2.25	0	2.25	0	2	0	30	0
0	Bathtub, Public	4	0	3	0	3	0	2	0	40	0
0	Bidet	1.4	0	1.5	0	1.5	0	1	0	10	0
0	Clothes Washer (Private)	1.4	0	1	0	1	0	2	0	20	0
0	Clothes Washer (Public)	3	0	2.25	0	2.25	0	3	0	20	0
3	Clothes Washer (Public, LG)	4	12	3	9	3	9	3	9	30	90
0	Dishwasher, Commercial	10	0	0	0	10	0	1	0	50	0
1	Dishwasher, Domestic	1.4	1.4	0	0	1.4	1.4	2	2	10	10
2	Electric Water Cooler	0.25	0.5	0.25	0.5	0	0	0.5	1	0	0
33	Floor Drains, 2"	0	0	0	0	0	0	2	66	0	0
0	Floor Sinks, 2"	0	0	0	0	0	0	2	0	0	0
0	Floor Sinks, 3"	0	0	0	0	0	0	5	0	0	0
0	Floor Sinks, 4"	0	0	0	0	0	0	6	0	0	0
0	Garbage Disposal w/ Spray Rns	4	0	2	0	2	0	3	0	1	0
0	Garbage Disposal, Commercial	0	0	0	0	0	0	3	0	0	0
10	Hose Bibb	2.5	25	2.5	25	0	0	0	0	0	0
1	Laundry Sink	1.4	1.4	1	1	1	1	2	2	20	20
8	Lavatory (Private)	0.7	5.6	0.5	4	0.5	4	1	8	2	16
0	Lavatory (Public)	2	0	1.5	0	1.5	0	1	0	6	0
3	Mop Service Basin	4	12	2.25	6.75	2.25	6.75	2	6	20	60
1	Shower (Per Head, Private)	1.4	1.4	1	1	1	1	2	2	30	30
0	Shower (Per Head, Public)	4	0	3	0	3	0	2	0	30	0
0	Sink, 1 Compartment (Res)	1.4	0	1	0	1	0	2	0	20	0
0	Sink, 2 Compartment (Res)	1.4	0	1	0	1	0	2	0	20	0
10	Sink 1 or 2 Compartment (Comm)	4	40	3	30	3	30	2	20	20	200
0	Sink, 3 Compartment (Comm)	8	0	4	0	4	0	0	0	1	0
2	Sink, Hand (Clinic)	4	8	3	6	3	6	2	4	6	12
1	Sink, Scrub	4	4	3	3	3	3	2	2	1	0
0	Sink, Kitchen, w/Disposal &/or DW	4	0	3	0	3	0	2	0	20	0
3	Sink, Service	4	12	2.25	6.75	2.25	6.75	2	6	30	60
0	Urinal, Flush Tank	3	0	3	0	0	0	4	0	0	0
0	Urinal, Flush Valve, 1"	10	0	10	0	0	0	4	0	0	0
1	Urinal, Flush Valve, 3/4"	5	5	5	5	0	0	4	4	0	0
0	Water Closet, Flush-o-meter Tank	2	0	2	0	0	0	4	0	0	0
0	Water Closet, Tank, Private	2.2	0	2.2	0	0	0	3	0	0	0
11	Water Closet, Tank, Public	5	55	5	55	0	0	4	44	0	0
0	Water Closet, Valve, Private	6	0	6	0	0	0	4	0	0	0
0	Water Closet, Valve, Public	10	0	10	0	0	0	4	0	0	0
0	Commercial Ice Maker	3	0	3	0	0	0	0	0	0	0
4	Grooming Table/Tub Table	4	16	3	12	3	12	2	8	30	120
Total F.U. From Abv			199.3		165		80.9	Total F.U.	184	Total GPH	848
Other Existing F.U.			0					Existing F.U.	0	Demand Factor	0.5
Other Future F.U.			0					GARAGE F.U.	0	Recovery Factor	1
Grand Total F.U.			199.3					Grand Total F.U.	184		
Table E103.3, IPC appendix E		F.U. to GPM	65					Building Drain Size	SEE BELOW	Recovery	324
		Make-up Water GPM	0							Storage	324
After Hours		Irrigation GPM	0								
		Water Meter Size	1 1/2"					4" MAIN		StuH Input at Altitude	481950
		Water Service size	1 1/2"							KW Input	79

Note: Building Service Sizing is as follows:

(per AWWA)

0-16 GPM: 5/8" x 3/4"

17-24 GPM: 3/4"

25-40 GPM: 1"

41-80

GPM: 1-1/2"

81-128

GPM: 2"

129-240

GPM: 3"

241-400 GPM: 4"

Compound

401-800 GPM: 6"

Compound