CHAIRMAN Thomas B. Getz

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EXECUTIVE DIRECTOR AND SECRETARY Debra A. Howland

THE STATE OF NEW HAMPSHIRE



PUBLIC UTILITIES COMMISSION 21 S. Fruit Street, Suite 10 Concord, N.H. 03301-2429

June 19, 2009

Debra A. Howland Executive Director New Hampshire Public Utilities Commission 21 South Fruit Street, Suite 10 Concord, NH 03301



Re: DW 09-098, Lakes Region Water Company Petition for Authority to Finance and to Increase Rates

Dear Ms. Howland:

On June 1, 2009, Lakes Region Water Company (LRWC) filed a petition with the Commission seeking approval for financing and a step increase related to seven proposed water system improvement projects. The projects would be funded by American Recovery and Reinvestment Act monies provided through New Hampshire's State Revolving Loan Fund (SRF), administered by the New Hampshire Department of Environmental Services (NHDES). LRWC serves some 1,600 customers in sixteen separate systems. Additional information related to the filing was provided in response to Staff inquiries, and those responses are attached. The seven projects are identified below:

- 1) A uranium treatment system is proposed for an existing, unused well to allow its use as a second source of supply in the company's Tamworth system. The system has approximately 70 customer connections and is currently operating with a single well. Treatment of the existing high uranium well was chosen over other alternatives due to factors including cost, land availability, and potential treatment requirements for a new well.
- 2) Replacement of the 30 year old Woodland Grove pump station in Conway, which would greatly improve access, eliminates moisture problems and accommodates treatment requirements. The project includes a significant increase in storage tank size, new pumps and installation of SCADA for remote monitoring purposes.



FAX (603) 271-3878

TDD Access: Relay NH 1-800-735-2964

> Website: www.puc.nh.gov

- 3) Water main replacement projects are proposed in Gunstock Glen/Brake Hill (Gilford), Echo Lake Woods (Conway) and 175 Estates (Thornton). All three systems have old, undersized mains that are prone to leakage. While other systems could also benefit from water main upgrades, the company applied for projects with the greatest need in those systems most likely to qualify for funding.
- 4) Metering projects are proposed in 175 Estates and Tamworth. In the past the company has proposed, or the Commission directed, metering of the company's unmetered systems.¹ The current proposal will address two of those systems. ARRA funding was not available for the remaining three unmetered systems due to their seasonal nature and, in one case (Deer Cove), small size in relation to minimum funding thresholds.

The total estimated cost of the above projects is \$1,500,000. All seven projects are on the funded portion of the most recent NHDES drinking water economic stimulus priority list (June 9, 2009). Completion of the projects is anticipated by the end of next summer.

Stimulus funding is expected to treat half of the overall cost of the financing as a grant over the life of the loan, in the form of principal and interest forgiveness. In this regard, while LRWC's filing requests financing of \$750,000, the actual financing requirement would be the full \$1,500,000, with 50 percent forgiven. Terms would be similar to other recent SRF financings. It is expected that LRWC's loan will be repaid over a 20 year term, with an interest rate of 3.744%. As with prior SRF loans, DES would make disbursements of funds based on invoices submitted by contractors engaged by LRWC, and those advances would accrue interest at a rate of 1% until substantial completion of the capital projects. Approximately six months after project completion, monthly payments of principal and interest will begin, again with 50% of the principal forgiven. According to the company's filing, the borrowing would result in a debt to equity ratio of approximately 60/40, which Staff considers acceptable.

LRWC is requesting authority to file for a step increase once the projects financed by this borrowing are completed, and estimates that this step adjustment would increase customer rates by about 8.79%. Staff would support the Commission approving a step adjustment filing such that LRWC's access to these funds is not jeopardized. Considering, however, that the issue of step adjustments versus a full rate case filing was discussed in LRWC's recent docket DW 08-070², Staff believes it is more appropriate for LRWC to plan a full rate case filing which could incorporate the plant assets in the instant proceeding.

The ARRA funding is competitive, and in fact only half of the fourteen projects the company applied for were funded. The seven funded projects will address a number of significant needs in the company's systems. As noted above, the benefits of this funding are

¹ See, for example, Order No. 21,872 (October 18, 1995) in DR 95-028; Order No. 24,576 (January 6, 2006) in DW 05-137; Order No. 24,692 (October 31, 2006) in DW 05-137; and Order No. 24,883 (August 5, 2008) in DW 08-070.

² See Order No. 24,925 (December 30, 2008) in DW 08-070.

significant. Staff has reviewed the petition and other information submitted by Lakes Region Water Company in this docket. Staff supports approval of Lake Region's financing request, and recommends the Commission approve it.

If you have any questions regarding this matter, please let me know.

Sincerely, Mary C. Nacy Log

Mark A. Naylor Director, Gas & Water Division

Attachment - discovery responses

cc: Service list

DW 09-098 Lakes Region Water Company Staff Data Requests – Set 1 Company Responses

Staff 1-1

Two projects included in the petition do not appear on the funded portion of the final (April 20, 2009) NHDES Drinking Water SRF priority listing for ARRA funds, namely the Echo Lake Woods and 175 Estates main replacement projects. These projects are ranked #57 and 58, respectively, while funding ends with #54 on the list. Please indicate the basis for the company's belief that funding will become available for these projects.

Please see Attachment A: new updated, ARRA Funding Listing dated 6/9/09. Each of our projects is underlined with those receiving no funding being shown with a Zero (0) at the beginning and end of line. The updated listing now funds projects through number 63.

Staff 1-2

Mr. St. Cyr's testimony (page 5, line 7) notes a total of ten Drinking Water SRF projects for which the company sought funding, totaling \$2,900,000. However, the ten company projects on the final NHDES priority list total \$2,664,500. Please clarify or explain.

The correct total is \$2,644,500.00.

<u>Staff 1-3</u>

Please provide any existing correspondence from NHDES or other relevant material in support of the need for the following projects:

- a) Tamworth uranium treatment system;
 - Please see Attachment B: NHDES sanitary survey, dated 2/19/08. Per NHDES regulations, any water system serving over 30 connections may require a secondary source.
- b) Woodland Grove pump station replacement.

NHDES had indicated in verbal discussions the need for an updated pumphouse in Woodland Grove. The system has an aggressive pH issue which requires treatment. A separate building is necessary for adequate storage of caustic material. The current pump station is the original pump station that has been in service since the 1970s, which has unsafe access. Please see Attachment C: NHDES Sanitary Survey, dated 1/22/07.

<u>Staff 1-4</u>

Please briefly describe the uranium treatment equipment proposed for Tamworth, including support for its expected life (noted as 10 years in schedule SPS 6).

Please see Attachment D: NHDES letter dated 5/29/09 concerning Uranium Treatment of Bedrock Well.

Per letter from Bruce Lewis dated 6/10/09 (Attachment E), the expected life of the filtration system will average 5 years.

Staff 1-5

Please comment on the age and condition of the Woodland Grove tank to be replaced.

The tank is the original tank of the system that was installed in the late 1970s. The tank is buried, and the current size is approximately 10,000 gallons. The capacity will be increased to 25,000 to 35,000 gallons.

<u>Staff 1-6</u>

Please comment on why the three water main replacement projects were chosen over possible main replacements in other systems, including what criteria were considered.

Please see Attachment F: Copies of slides from DWSRF ARRA's public hearing presentation on 4/3/09. These are partial printouts of PDF files taken from the NHDES website under the NH Recovery Section – Hot Topics – 4/3/09 Public Hearing.

Staff 1-7

Page 9, line 20 and page 10, line 12 of Mr. St. Cyr's testimony omit details (feet and/or size) of existing mains in the Echo Lake Woods and 175 Estates systems, respectively. Please provide the missing numbers.

Echo Lake Woods: Approximately 2,000 feet of existing mains are of 1.5" - 2" diameter. They will be increased, through this project to 3" diameter.

175 Estates: existing mains have a diameter of 1"-1.25" They will be increased 3".

Staff 1-8

Page 10, line 13 of Mr. St. Cyr's testimony references "Primary Road" in the 175 Estates development. Is this intended to refer to Sunrise Hill Road?

Yes, the primary road is Sunrise Hill Road.

<u>Staff 1-9</u>

The filing notes the company's attempts to secure ARRA funding for four metering projects, but omits mention of a fifth unmetered system, Deer Cove. Please indicate the company's intentions regarding metering of that system as anticipated by Order 24,692 (pp. 8-9).

Metering of the Deer Cove system was not submitted for ARRA funding because it was below the minimum requirement of \$20,000 estimated cost. The system is also a seasonal system, which is the primary reason for zero funding of the LOV & IM metering projects.

<u>Staff 1-10</u>

Does the cost of metering Tamworth include the cost of replumbing individual units within buildings? If not, please explain how the company anticipates this issue will be addressed.

NO. The company will furnish a single meter to any multi-unit dwelling that is not plumbed for individual dwellings. If the dwelling owner rc-plumbs for individual meters, we will install individual meters for each dwelling. All plumbing costs beyond normal meter installation will be the responsibility of the dwelling owner.

Staff 1-11

When does the company anticipate that metering of Tamworth will be complete?

Spring 2010

Staff 1-12

Is it still the company's intention to rely, for billing purposes, on customer meters in Gunstock Glen owned by the Town of Gilford, once that system is converted to the company's consolidated rate? If not, please explain.

Yes.

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	01621	30 Bartlett, Rolling Ridge	83	\$ 598,900	\$ 298,900	\$27'960'6 \$	۶ ۲		3 0	• • •	3	M	1 0	4/4/2009 Madbury Water Treatment Plant & Bellamy Reser	
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	120301	10 Hudson MHE	220	\$ 112,000	\$ 112,000	\$ 10,230,939	• ;	5, 9 5, 9	R 8	2 2	- -	8 ¥	1 1	8/01/2009 Blending Well and Filter Plant Upprades	
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	02410	10 Bethlehem Village Dist	1700	\$ 1,215,000	\$ 1,215,000	\$ 15,541,789 • • • • • • • • •	Ξç		2	ີ ຊຸຊ	3 9	វង	 	7/1/2009 Uranium treatment and second source	
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		20 Demv. Meadowbrook	145	\$ 40,000	\$ 40,000	\$ 18,512,476	-	52	R 8	29	2 -	X 6	58	4/01/2006 Uranium trt, new well lines, backwash to central septic	
	25250	110 Witton, High Mowing School	4	\$ 000 \$	4 ,000	4/4/055/01 \$	9 9		20	22	3	68	E	7/1/2009 Solar heat and hot water system for new tit facility (alt energy)	
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7	13930	150 Londonderry, Wagon Wheels	88	\$ 30,737	\$ 30,737	505////52 \$	2 0) C	2 2 2	11	0	82	39 10	0/01/2009 Pump house upgrade, raising wellhead	
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ALL Status June 9, 2009

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	botal requested (\$1,000	s) \$ 248,923	Total available	\$ 37,440,000		A	В	C	D	E	F	G	<u>P</u>			** System declined ARRA funding.
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Juc 1	EPA ID PWS Name	Population	(\$)	COST	CUMMULATIVE	VIOS	STO	DES	DEV	NES5	RDAB	EN	TOTAL	Rank	Project Start	Project Description
wo	0512130 Conway, Woodland grove	155	\$ 145,000	\$ 145,000	\$ 24,564,963	0	0	36	0	30	11	. 0		45	6/1/2009	Upgrade pump station and storage tank
1	1562020 Milford, Ashley Commons (PEU)	73	\$ 450,000	\$ 450,000	\$ 25,014,963	18	0	18	0	- 30	11	0	77	46	04/20/2009	Ashley Commons - Town of Milford Interconnection
L L	0.301010 Bristol Water Works	3327	\$ 1,191,000	\$ 1,191,000	\$ 26,205,963	0	. 22	18	. 0	. 22	3	10	. 75	47	7/31/2009	Hillside Ave BS and Storm Ctr well upgrade (new pumps, etc)
H		er 540	\$ 2,2/0,000		\$ 25,205,963	0	14	18		. 30	5	10		48	6/1/2009	0.75 MG new storage tank, water main upgrades
	2011010 Bolinsford WD	1688	\$ 3,000,000 \$ 195,000	\$ 3,000,000	\$ 29,205,963 \$ 20,400,963	20	20	10			12	10	70	50	5/18/2009	Water main replacement and upgrade
-	1481010 Marlborough Water System	750	\$ 995,000	\$ 452,000	\$ 29,852,963	0	20	18	0	22	. 0	10	- 70	51	7/10/2009	Develop replacement wells, new pump house
F	0771010 Epsom Village District	750	\$ 105,000	•	\$ 29,852,963	ō	0	. 34	Đ	22	ં કે	10	69	52	7/1/2009	New pump station above flood level
	0202010 Belmont, Lakeland	388	\$ 95,000	\$ 95,000	\$ 29,947,963	0	20	0	, D	30	7	10	67	53	04/15/2009	Water storage tank (30kgal), off-peak demand pumping
L	0993020 Greenville Estates Coop	480	\$ 2,500,000	\$ 2,500,000	\$ 32,447,963	0	20	.18	0	15	3	10	66	55	10/1/2009	IC w/Town of Greenville to allev water shortage and WQ (vocs)
EIN	2351010 Tilton & Northfield WD	2500	\$ 1,039,679	\$ 1,039,679	\$ 33,487,642	0	<u>0</u>	. 18	0	22	15	10	65	56	8/1/2009	Water main replacement
and the second	2342010 Thornton, 175 Estates		\$ 345,000	\$ 161,000	\$ 33,648,642	0	<u> </u>	18			15	10	65	.57	7/1/2009	Water main replacement 2000 LF
1/2-	2351010 Tilton & Northfield WD	2500	3 124 910	\$ 124,910	\$ 34 118 552	- 0		18	÷ő	30	- 15	- 0	61	- 53 -	6/15/2009	Move owno station above ground
t.	0612070 Deny, PEU Glen Ridge	255	\$ 98,000	\$ 98,000	\$ 34,216,552		ō	. 18	. : : i i i	30	15	ō	63	60	06/01/2009	Storage tank replacement
[1621010 Nashua, Pennichuck Water Works	86630	\$ 1,300,000	\$ 1,300,000	\$ 35,516,552	0	0	18	D	30	3	10	61	61	05/30/2009	French Hill Water Main Rehabilitation
	1621010 Nashua, Pennichuck Water Works	86630	\$ 530,000		\$ 35,516,552	0	0	18	0	- 30	3	10	61	62	06/15/2009	Watermain replace Buck, Van BurenFletcher, Green, & Armony St
	1241010 Keene PWD		\$ 2,283,088	\$ 2,283,088	\$ 37,799,640	0	. 0	18	0	30	3	10	61	63	5/1/2009	Replace dist main phase 6
	1241010 Keene PWD	25000	\$ 1,322,510	\$ 1,322,510				18		30	- 31	10	61		5/1/2009	Replace dist main phase 4
	1241010 Keene PWD	25000	1,100,8//	\$ 1,100,077 \$ 1 144 889				18		30		10	61	66	5/1/2009	Replace dist main phase 2
F	1241010 Keene PWD	25000	\$ 1.007.847	\$ 1.007.847		0		18	- 0	30		10	61	67	5/1/2009	Replace distinain phase 3
-	1241010 Keene PWD	25000	\$ 735.296	\$ 735,296		- 0	ō	18	Ō	30	3	10	61	68	5/1/2009	Replace dist main phase 1
F	1241010 Keene PWD	25000	\$ 610,207	\$ 610,207		0	0	18	0	30	3	10	61	69	5/1/2009	Replace dist main phase 5
	2001010 Rochester Water Dept	20000	\$ 1,180,000	\$ 1,180,000		0	0	18	0	30	3	10	61	70	5/30/2009	Washington St main replacement Phase IV
	0801010 Exeter Water Dept	11000	\$ 18,400,000	\$ 5,000,000		0	0	18	0	30	3	10	61	71	D6/01/2009	New Surface Water Treatment Plant construction
H	0801010 Exeter Water Dept	11000	\$ 125,000	\$ 125,000		0	0	18	- 0	30		10	61		05/01/2009	Gilman and Stadium Wells Reactivation
H	1871010 Peterborough Water Works	4050	\$ 719,100 \$ 440.050	440.050				18		- 30		10	61	73	5/18/2009	2,200 H 12" diam. Water main on Rie 101
H	1221010 laffrey Water Works	3825	s 1 182 395	1 1.182 395	[- 0-	0	18	0			10	-61	75	7/15/2009	Water main replacement cathedral Rd. Prescott Rd
H	1101040 Woodsville W & L	2000	\$ 530,000	\$ 530,000		ō	0	18	ŏ	30		10	61	76	6/15/2009	Replace 2 inch mains
. H	0351010 Canaan Water Department	600	\$ 22,038	\$ 22,038		0	0	0	30	30	ō	0	60	77	5/1/2009	Provide security fencing around existing water treatment plant
Lat & []	0862010 Freedom, LOV Water Co	538	\$ 50,000	\$ 50,000		0	0	18	0	30	11	D	59	7B	6/1/2009	Pump station upgrades
	0612080 Deny, PEU Redfield	250	\$ 52,000	\$ 52,000		0	0	14	0	30	15	0	59	79	06/15/2009	Installation of Stationary Standby Emergency Power
	1732030 Newmarket, PEU Great Bay	220	\$ 52,000	\$ 52,000		Q	0	14			- 15	- 0-	- 59	80	06/15/2009	Installation of Stationary Standby Emergency Power
	1471010 Manchester Water Works	133000	s 175,000	\$ 1750.000	ł		- 8	18	- 0	30		10	58	82	6/30/2009	Cleaning and religing 25 000 LF
-+	2051010 Salem Water Dept	18000	\$ 179,532	\$ 179.532		ő	0	18	ō	30	ő	10	58	83	4/6/2009	Spicket Hill Tank control valve station / pump controls
H	0691010 Durham/UNH Water Supply	16000	\$ 270,000	\$ 270,000		ō	0	18	0	30	ō	10	58	84	06/09/2009	Colovos Rd. Main replacement
	0691010 Durham/UNH Water Supply	16000	\$ 240,000	\$ 240,000		0	0	18	0	30	0	10	58	85	05/09/2009	Main St. West Edge Parking lot to Mast Rd. Main replacement
L L	0691010 Durham/UNH Water Supply	16000	\$ 210,000	\$ 210,000		0	0	15	0	30	0	10	58	86	06/09/2009	Main St. Leavitt Ctr to West Egde Parking lot main replacement
↓↓	1321010 Lebanon Water Dept	10050	\$ 817,460	\$ 817,460		0	0	18	믹			10	58	87	06/01/2009	Hill De 10 wetering replacement (water, sewer and storm project)
Ц	1321010 Lebanon Water Dept	10050	\$ 230,400	230,400	+	0	- 0	18		- 30		10	- 58	88	06/01/2009	NH KIE 10 Watenine replacement Samiaany Hill Water main replacement 2400 LE
 ∔	1321010 Lebanon Water Dept	10050	230,400	230,400		<u> </u>	- 0	18	-	- 30		10	50	00	06/01/2009	Bank Street extension and water main replacement
- F+	1321010 Lebanon Water Dept	10050	86 400	\$ 86,400			- 0	18		30		10	58	91	06/01/2009	Water main replacement between Water Plan and Mouton Ave
H	1071010 Hanover Water Works	8500	193,200	193,200		ő	0	18	ō	30	0	10	58	92	6/1/2009	Connect dead ends and loop water mains
H	1071010 Hanover Water Works	8500	69,000	69,000		0	0	18	0	_ 30	0	10	58	93	6/1/2009	Install new PRV
	1071010 Hanover Water Works	8500	69,000	69,000		0	0	18	C	30	0	10	58	94	6/1/2009	Relocate services and abandon main Ripley Rd
Π	1071010 Hanover Water Works	8500	34,500 1	34,500	T	0	0	18	0	30	0	10	58	95	6/1/2009	Dean and relining water main FH37 to FH38
Π	1071010 Hanover Water Works	8500	34,500	34,500		0	0	18	0	30		10	58	96	6/1/2009	Dean and relining water main FH38 to FH40
Д	1071010 Hanover Water Works	8500	34,500 1	34,500		<u> </u>	_의_	18	<u> </u>		0	10	58	9/	6/1/2009 0	Liean and relining water mains FH41 to FH42
Ц	1561010 Milford Water Utilities	8500	395,260	395,260				18	- 1	30		10	58	38	4/15/2009	Union su water main improvements
H	1361010 Millord Water Utilities	85001	294,000	294,000				18		20		10	50	100	05/01/2009 0	Installation of water shut-off valves
+	0511030 North Conway WP	5000 4	220.000	220.000		- 8	-0-	18	0	30	0	10	58	101	4/1/2009	Water main replacement 1750 LF Mechanic St
+	0201010 Belmont Water System	1300	1,648.810	1,648.810	f	ō	o	18	0	30	0	10	58	102	5/15/2009	Pleasant Valley development distribution upgrades
<u>†</u> +	0201010 Belmont Water System	1300 \$	131,000 1	131,000		0	0	15	0	30	0	10	58	103	5/30/2009 F	Rte 140 water main relocation (10-in x 900 ft)
	1841010 Ossipee Water & Sewer	850 \$	575,000	575,000		D	0	18	0	15	15	10	58	104	09/09/2009 F	Route 16B Water Main 3000 LF replacement
LT .	1841010 Ossipee Water & Sewer	850 \$	150,000 \$	150,000		0	0	18	0	15	15	10	58	105	09/09/2009	Dore St Water Main 1600 LF replacement
LL.	1211010 Jackson Water Precinct	500 \$		301,000		0	0	18	0	30	_0	10	58	106	6/5/2009	reserve brook raw waterline replace and access ro
- LL.	1932180 Plaistow Tuxbury Meadows	75 \$	7,500 \$	7,500		0	0	28	U	_30		0}	28	107 4	<u>5^1'</u>	senerator, new root, drainage to prevent pump nouse flooding

SORT BY RANK

Attachment A

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MIRCOURT tutal indijects received 280 Buai requering (1000 EPA ID Pwos Name 280 Dis 1000 Deny Water System 15000 \$ 248,923 Dis 1000 Deny Water System 15000 \$ 253,920 Dis 1000 Deny Water System 15000 \$ 253,920 Dis 1000 Minschale Water Verst 260 \$ 240,830 Dis 2000 Hinschale Water Worts 2300 \$ 240,830 Dis 2000 Hennchuck Water Worts 2400 \$ 11220 Dis 2000 Hanschuck Water Worts 86530 \$ 26530 \$ 26530 Dis 2000 Lammont Water Worts 86530 \$ 26630 \$ 26630 \$ 26630 \$ 26630 \$ 2000 \$ 111250 \$ 26630 \$ 26630 \$ 2000 \$ 111250 \$ 26630 \$ 2000 \$ 240 \$ 266300 \$ 26630 \$ 200 \$ 240 \$ 266300 \$ 266300 \$ 26630 \$ 200 \$ 240 \$ 260000 \$ 2411250 \$ 266300 \$ 260000 \$ 240 \$ 260000 \$ 2411250 \$ 260000 \$ 241125	OTHER DW 5 GREEN DW 5 Total available 5 Total available 5 (a) 1393,500 1,937,500 5 1,937,500 5 1,937,500 5 1,181,100 5 75,500 5 75,500 5 1,150 1 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,150 5 1,000 5 1,000 5 1,000 5 1,000 5 1,000 5 1,000 5 1,000 <td< th=""><th>29,640,000 7,800,000 7,800,000 1,800,000 1,800,000 3,917,500 1,9937,500 3,927,900 1,9937,500 1,181,100 1,9937,900 1,181,100 1,181,100 1,520,000 1,181,100 1,5,200 1,181,100 1,250,000 1,1250,000 1,1250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 2,260,000 1,1250,000 1,250,000 1,1250,000 2,260,000 1,1250,000 2,260,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,2</th><th></th><th></th><th>2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</th><th>「 1995年 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995</th><th></th><th>· · · · · · · · · · · · · · · · · · ·</th><th></th><th>bic: Start 0/10/2012 0/10/2012 0/10/2012 0/10/2012 0/10/2020 0/1/2020</th><th> System declined ARQA funding. System declined ARQA funding. Project Description Rockingtham Road - NH Rie, 28 water main typprofes Rockingtham Road - NH Rie, 28 water main upgrades Suban, Varing & Febasini Si, water main upgrades Boulder main robsscement, electrical power upgrades Remote meter raden tuggrade. Remote meter raden Upgrade Rockinghatoni K and Varing & Freisen Sinon Remote meter raden tuggrades Remote mater system repair & removation Taylor Falls Booster Station Upgrades Bounder Richt Robertent. Rockington St Water Main robscoment. Bounder Richt Robertent. Remote meter Traden upgrade Bounder Robertent. Bounder Richt robscoment. Bounder Richt Robertent. Bounder Richt Robertent. Bounder Richt Robertent. Bounder Richt robscoment. Bounder Richt Robertent. Bounder Steinen Ubgrade Bounder Richt Robertent. Bounder Richt Robertent. Bounder Steiner Robertent. Bounder Robertent Vielle and others Bounder Steiner Luggrade Bounder Steiner Bounder Nales Bounder Steiner Luggrade Bounder Steiner Lu</th></td<>	29,640,000 7,800,000 7,800,000 1,800,000 1,800,000 3,917,500 1,9937,500 3,927,900 1,9937,500 1,181,100 1,9937,900 1,181,100 1,181,100 1,520,000 1,181,100 1,5,200 1,181,100 1,250,000 1,1250,000 1,1250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 1,250,000 1,1250,000 2,260,000 1,1250,000 1,250,000 1,1250,000 2,260,000 1,1250,000 2,260,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,255,000 1,1250,000 1,2			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	「 1995年 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995		· · · · · · · · · · · · · · · · · · ·		bic: Start 0/10/2012 0/10/2012 0/10/2012 0/10/2012 0/10/2020 0/1/2020	 System declined ARQA funding. System declined ARQA funding. Project Description Rockingtham Road - NH Rie, 28 water main typprofes Rockingtham Road - NH Rie, 28 water main upgrades Suban, Varing & Febasini Si, water main upgrades Boulder main robsscement, electrical power upgrades Remote meter raden tuggrade. Remote meter raden Upgrade Rockinghatoni K and Varing & Freisen Sinon Remote meter raden tuggrades Remote mater system repair & removation Taylor Falls Booster Station Upgrades Bounder Richt Robertent. Rockington St Water Main robscoment. Bounder Richt Robertent. Remote meter Traden upgrade Bounder Robertent. Bounder Richt robscoment. Bounder Richt Robertent. Bounder Richt Robertent. Bounder Richt Robertent. Bounder Richt robscoment. Bounder Richt Robertent. Bounder Steinen Ubgrade Bounder Richt Robertent. Bounder Richt Robertent. Bounder Steiner Robertent. Bounder Robertent Vielle and others Bounder Steiner Luggrade Bounder Steiner Bounder Nales Bounder Steiner Luggrade Bounder Steiner Lu
MIRECOVERT Litizi projects received 280 PA TO Puol Top and Top a	CULTER UN A COLLAR ANGIBARE 1 Total Angibare 1 1 1 3 37 3 3	-7,900 -7,900 31,440,000 3,744,000 31,440,000 3,937,500 31,937,500 3,937,500 3935,000 3,937,500 3935,000 3,937,500 3935,000 3,937,500 3935,000 3,937,500 3935,000 11,500 3935,000 15,500 3935,000 15,500 390,000 15,500 390,000 12,500 300,000 12,500 300,000 2,360,000 40,000 658,000 30,000 2,360,000 31,050 30,000 31,000 2,360,000 31,000 2,360,000 31,000 2,360,000 31,000 2,360,000 31,000 2,360,000 31,000 2,360,000 31,000 2,316,000			、			■ 10 × × × × × × × × × × × × × × × × × ×	11111111111111111111111111111111111111	01/01/201 01/01/201 01/01/201 01/01/201 01/01/2020	 System declined ARAA funding. System declined ARAA funding. Proyect Description Rosingham Road - M.R.e. 28 water main extension Rosingham Road - M.R.e. 28 water main extension S. Hain, Vaimer, & Piessein St., water main upgrades Mater main replacement. B. Riskalando of Statoniony Standby Emergency Power B. Riskalando of Statonion Statonion B. Riskalando of Statonion Booster Station B. Riskalando of Statonion Booster Station B. Riskalandor Statian Andreas Station B. Riskalandor Statiant Insplacement B. Riskalandor Statianti Installukun B. Riskalandor Statiant Installukun B. Riskandor Statiant Instalukun
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2542180 Windram, PEU Spruce Polog 0806020 Exeter Public Works Complex 40 5 0511030 Morth Conway WP 5000 5 0511030 Morth Conway WP 5000 5	T10,000 5 30,000 5 2,360,000 5 2,360,000 5 2,360,000 5 2,360,000 5 281,500 5 710,000 5 130,000 5	30,000 2,960,000 2,360,000 1,075,000 2,81,500 710,000 130,000		50	00000000000000000000000000000000000000			8 2 2 2 2 2 2 2	212000000000000000000000000000000000000	06/01/2005 12/1/2000 6/1/2010 5/18/2000 8/1/2000 8/1/2000 5/18/2005 5/18/2005 5/18/2005 5/18/2005 5/18/2005 5/1	9 Public Work, Replacement Well 9 Construct new well, jump house 10 Water storage Lank, and 1700. f. water main replace 9 Hunt well iron & manganese treatment 9 Inclust ment of existing dug wells, new VFD pumps 10 Inclust main to Suissolal Mithahare water main
0511030 Auch Conway WP 5000 \$ 5000 \$ 5000 \$	2,060,000 5 2,360,000 5 1,075,000 5 281,500 5 710,000 5 130,000 5	2,960,000 2,360,000 1,075,000 281,500 710,000 130,000			<u> </u>		0 0 0 0 0 0 0	22 22 22 22 22	82 52 62 FE FE FE	12/1/2005 6/1/2010 5/18/2009 8/1/2009 6/1/2009 5/18/2009 5/18/2009 5/18/2009 5/18/2009 5/4/2009 04/15/2009	9 Construct new well, pump house Di Wagte strange Lank, par 1700 ft water main replace 9 Hunt well tron & manganese treatment 9 Replacement of existing dug wells, new VFD pumps 9 Tinstall ment to Suissorale
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1/31010 Newmarket ware rept	1,075,000 \$ 281,500 \$ 710,000 \$ 130,000 \$	1,075,000 281,500 710,000 130,000		0 20		<u>828888</u> 8	<u> </u>	13 13 13	3588	5/18/2009 6/1/2009 5/18/2009 5/4/2009 04/15/2009	ry runt wen non a manganese voeunen. 19 Reptaxemento de existing dug wells, new VFD pumps 19 Install main to Suissvale
1871010 Peterborough Water Works 4060 \$	281,500 \$ 710,000 \$ 130,000 \$	281,500 710,000 130,000		0 0 81 0				- 5 G	1257	6/1/2009 5/18/2009 5/4/2009 04/15/2009	9) [Instalments to Suissvale Reliandate water main
0951010 Grantham, Village Dist of Eastman 3000 \$	130,000	130,000				888	11	51	E	5/18/200 5/4/200 04/15/200	Nikedare water main
1612010 Mouttonborougn, Paradise Shores 1981 6				0	18	8 8			,	5/4/2009	
0161010 Barbert Village WP 625 \$	41,500 \$	41,500		0		3	2	15	5		9 BVWP Upgrades- instrumentation pkg
0202010 Belmont, Lakeland 388 \$	34,505	34,505		00	14	2		7 5	22	06/15/2009	9 Deneration of Stationary Standby Emergency Power
1392310 Londonderry, PEU Ministerial Hghts 290 \$	22,000	52,000			1 1	88	0	11	201	06/15/200	9 Installation of Stationary Standby Emergency Power
1392290 LONDONGETTY, PEU Harvest Village 133000 \$	1.500.000 \$	1,500,000		0	18 D	22	0	2	138	8/31/2009	9 Merrimack River crossing
D501010/Concord Water Dept	\$ 000'026	920,000		0	18 0	22	0	3	621	7/31/2009	9 Water main upgrade Manchester St & Black Hill Kd
0501010 Concord Water Dept 43000 \$	845,000 \$	B45,000		0	18	2	99	ន	8	1/31/2005	19 UEBRING & IINRY SOUTH EN WALET HAILE
1951010 Portsmouth Water Dept 33000 \$	2,000,000 \$	2,000,000		81		35	39	2 2	5	5002/1/8	o linorade distribution mains. Turkey Hill, Amberst, Continental BMd
1531010 Merrimack Village District 23000 \$	2,400,000 \$	2,400,000		5 0	18	3 12		3 5	143	6/30/2009	9 Replacement of water main under 1-95
2111010 Seabrook Water Dept 1400U \$		000 210 0				12		3	4	6/30/2009	9 Water Line Replacement/CSO project
1321010 Lebanon Water Dept 2000 +	2,912,000 +	010 010	+-			15		8	145	9/1/2000	9 Watermainreplacement Webster Lake Rd to Lawndale Ave
DB51010 Franklin Water Works	250 000 4	250 000			18	15	7 10	33	46	10/1/2005	9 Terrace Rd water main replacement
0851010 Frankin Water Works 7000 3	1 006 700	1.096.700		0	18	2	0 10	50	147	8/1/2009	9 Watermain replacement Hill area
1/61010/05/00/1 Water Dept 10/07	135.000 1	135,000	-	0 0	18 D	22	0 10	2	148	08/03/2009	9 St. Laurent Watermain Upgrade
U/b1010 Epping Water & Sewer	2.109.000	2,109,000		0	18 0	22	0	20	149	7/6/2009	9 Rte 16 water main, booster PS, fire protection
1/11/10 Jeckson Weld Floored Source 500 \$	35.000 \$	35,000		0	18 0	22	9	3	2	7/31/2009	9 drill wells for private homes
0432030 Chester, Chester Brook Estates 100 \$	30,500 \$	30,500		0	18	22	2	20	5	01/10/10	9 Reparte all Disponation studys up 4 Theorianneal Winnercours
0691010 Durham/UNH Water Supply 16000 \$	615,000 \$	615,000		810		26		ç	20	002/10/20	9 Heating Plant Valve duster replacement
0691010 [Durham/UNH Water Supply 16000] \$	150,000	150,000			10	2	0	9 8	25	06/15/2005	9 New 1.3 MG storage tank to replace existing
1281010 Laconia Water Works 1200U \$		1,200,000			19	8	0	8	55	6/1/2000	9 Valve replacement
10/1010 Hanover Water Works 8000 + 8500 +	34,500	34,500		0	16	30	0 0	8	98	6/1/2005	9 Replace gate valve at dam for reservoir #1
10/1010 Hanover Water Works 8500 \$	34,500 \$	34,500		0	18	R	0	8 6	122	6/1/2003	9 Replace gate Vaive at Oam for reservoir # 3 Of Inverse Bre 3 main 10 with C Mooksett, fire protection
1181020 Hooksett Village 2250 \$	1,500,000 \$	1,500,000			18	5		¥ 4	<u>8</u> 8	6/1/2006	9 Perkins Pond Water Loop (8-in x 500 ft)
0201010 Belmont Water System 1300 \$	100,000				38	200	0	4	3	6/15/2005	9 Water valve replacement
0081010 Andover Viilage Dist	470.000	470.000	-	0	16	ŝ	0	84	161	6/12/2005	9 Rte 16" water main to provide loop
2462040 Webster Pillsbury Lake District 275	31,625 \$	31,625		0	18	8	0	\$	162	00/01/200	Install additional DOW-OIT Valves Introught but use System
1612030 Moutonborough, Far Echo Harbor 200 \$	215,000 \$	215,000		0				₽ 4	2 2	06/15/2009	9 Installation of Stationary Standby Emergency Power
2542010 Windham, PEU Golden Brook 310 \$	52,000 \$	52,000		50	14	2,5		4	165	04/01/200	9 Emerg generator. (Water main ext not eligible)
2312030 Tamworth, White Lake Estates 250 \$	75,000 5	10,000			14	28	50	4	166	06/15/2005	9 Generator
0883030 Gilford Mountain View Housing Co-op 146 3	* C/0'EC	360.000		0	18	15	3 10	\$	167	6/1/2005	9 Rt 9 RR bridge water main replacement
063.000 0000 \$ 20000 \$ 20000 \$	1,974,000 \$	1,974,000		0	18	5	01 01 01	4	168	5007/1/01	9 Watermain repodulon Liture ratis - Litestroot init 0 Bardum nuwer Franklin Falls, electrical updrades
0851010 Franklin Water Works 7000 \$	250,000 \$	250,000		0	14	Ā		₽ ₽	201	1011100	

El Attachment A

	NECOVENT.
Alter Contract List proper interaction List proper interaction <thlist properinteraction<="" th=""> <thlist interaction<="" proper="" t<="" th=""><th>ARRA funding Area ARRA funding</th></thlist></thlist>	ARRA funding Area ARRA funding
Image: Second control water bear in the second se	Priority ** System declined ARRA funding.
Character Constraint Constrai	Priority System vermien vermen.
Ex.NID Mode Name Total Rice Standing Lange Total Rice Standing Lange Total Rice Standing Lange	Priority -
1 1	rial Deate Destant Clart Destant Description
0.031001 Description 133300	46 1.70 B/29/2009 Watermain replacement and looping - 7900
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	46 171 8/24/2009 Extend water main along Rte. 101
13/31000 Constraints 113	45 172 07/01/2009 Connection of cws to the municipal water s
09310010 Participant Name, Supply. 96001 9	45 173 6/1/2009 Interconnect with Pendleton Cove
Optimulation Mater Marker Space Sp	44 174 6/1/2009 Decomissioning of UNH owned tank
M.1100 (Neuroscience Network) 3553 5 3,593 5 5 5,593 6 1,10 </td <td>44 1/5 9/1/2009 GOOITEY LIAM INDAKE AND GALE UPGIADE</td>	44 1/5 9/1/2009 GOOITEY LIAM INDAKE AND GALE UPGIADE
Mail 100 (Constant Mater Deyk 2300 (S 5,300 (S 5	44 I/b b/1/2009 Inistant entergency generations
Obsignal General Controls Areas 14/3 3 36/37 1 36/37	44 1/7 UD/U1/2009 (DOK-UU OCINEROUS IN 1 1015) UN 2015 (DOVE) TU
Medizial Jelenty Larkov, Karan Tay 1 Medizial Jelenty Larkov, Karan Medizial Jelenty Larkov, Karan Medizial Jelenty Larkov, Kara Medizial Jelenty Larkov, Kara	44 1.70 06/15/2009 (Cenerators phase 1
Walkoll Limit, Commer at Annon Table Annon <thtabl< td=""><td>44 180 06/15/2009 Generator</td></thtabl<>	44 180 06/15/2009 Generator
0 0	44 1R1 04/15/2009 Generator
19.13100 (entrome, number Part, nu	44 182 6/1/2009 Backup generator
19311030 Norman With Community Sign of the second of the	43 183 9/30/2009 Little Harbor Water Main replacement
17/30101 Identifier Marker Wager Dept. 2001 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 5 600000 6	43 184 10/1/2009 Water main replacement 9000 LF Ash St and
15.73(10) Benefity Wate: Deliver 3700 5 95000 6 75000 1 950000 1 950000	43 185 6/1/2009 Radio controlled meter upgrade
15:2010 Description 2435 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	43 186 9/30/2009 Chandler, Prospect, Oak, Park & Lincoln - m
13:20101 (Newerich Water Dept. 256.5 4 40.000 5 40.000 5 40.000 6 40.000 9 40.000 6 40.00 9 40.000 6 40.00 9 40.000 9 40	43 187 09/21/2009 Lower Ladd Hill Rd/So Main St replace 10-m
13:21010 Preventiv Mager Tomol (Marker Depril) 25:35 4:00,000 1:35:000 0 0 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000 1:35:000<	43 188 09/19/2009 Maple Street/Bay Shore Unive Water main re
15:10:10 Derective Master Degit 2:35:1 3:17:500 1:25:000<	43 189 09/21/2009 Water Treatment Facility Upgrades
Of 1100 (Convert Viger FD 753 (s) 7,590 (s) </td <td>43 190 09/21/2009 3000 Fight 30 Fight 31 90 Fight 31 190</td>	43 190 09/21/2009 3000 Fight 30 Fight 31 90 Fight 31 190
6511001 Cheven Vilage FD 1937 5 2,500,000 1,100,	42 1.02 1.01/2009 Devite Pond water main 1000 (F. Penja 42 1.02 1.01/2009 Devite Pond water main 1000 (F. Penja
2501010 (Invanteled water System 19/01 3 1.100, 100 1 <th1< t<="" td=""><td>43 103 10/1/2009 Devicement drive watermain</td></th1<>	43 103 10/1/2009 Devicement drive watermain
Zabiliti (Martiede Mader System 1450 (1) 2.000 (0) 4.00	43 194 No/01/2009 Distribution main replacement. 15000 LF, Ur
Distribution Marchinger March	43 195 09/01/2009 Route 3 / Bray Hill Booster Station Replacent
USUNDI Descent visual Sector Sector <th< td=""><td>43 196 07/24/2009 IC with Lower Bartlett - 3/00 LF</td></th<>	43 196 07/24/2009 IC with Lower Bartlett - 3/00 LF
11810010 Cartran Honkserf, WP 3500 1,510,717 1,510,710 1,010,710	42 197 8/1/2009 redevelop Well # 6 and upgrade pump statit
3271020 [Woodstreck water Creek 2475 3,495,000 5,405,000 5,405,000 5,405,000 5,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,405,000 6,400,00	42 198 7/15/2009 Upgrade IC with Manchester WW - Benton-
0833060 (afford: Effore Edwords 11.01 46,000 5,45,000 46,000 6,000 1,75,000 1,01 40 1371010 (afform/water Petric 333001 \$2,79,000 \$2,79,000 \$2,99,000 0 0 20 0 0 40 40 22 0 0 40 40 22 0 0 40 0 22 0 0 40	42 199 05/01/2010/New P3 and Water Lank, Creat Lead, and Aliante Control of the C
1471010 Mark Works 133000 5 700,000 5 700,000 6 0 2 0 0 0 10 0 10 0 10 0 10 10 0 10	40 201 0//01/2003 ttell 4 40 201 6/20/2000 & thomatic meter reading system
193:001 Description 3.0000 3.0000 3.000	40 202 6/30/2009 Source Augmentation project
0.13.0010 Generation Water Works 1000 \$ 579,000 \$ 419,750 0 0 0 0 16 0 22 0 <t< td=""><td>40 203 06/01/2009 Water Meter Project</td></t<>	40 203 06/01/2009 Water Meter Project
Turning fragment works 166/3 1 </td <td>40 204 07/01/2009 Interconnection With Grasmere Vilage Precir</td>	40 204 07/01/2009 Interconnection With Grasmere Vilage Precir
Constraint Constraint <thconstraint< th=""> Constraint Constrai</thconstraint<>	40 205 7/14/2009 Interconnect w/ Milford and pump station
2010/Unimed Second Rd WW 33 4,000 5,4,000 5,4,000 5,4,000 6,0,000 6,4,000 6,0,000 6,4,000 6,0,000 6,4,000 6,0,000 6,0,000 6,0,000	40 206 8/1/2009 Meter pit work, two direction flow
Occurrent, remote, remo	40 207 7/1/2009 Replace existing pump house
Orienting Memory Water As Sever Dist 13 44,773 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 5 14,775 10<	40 208 7/1/2009 Replace pump house and raise well
14.1010 Phymothy Ningy Water & Sever Dist 6300 96,600 96,000 92,015 92,01	40 209 5/4/2009 Storage tank, booster station, pump house
0601010 Feature 11000 5 514,000 6 514,000 0 18 0 7 3 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 10 38 30 38 30 38 30 38 30 38 30 38 30 36 31	39 210 07/01/2009 Repairs and maintenance to the 2.5MG stora
ÖSID1010 Generativelyete 43000 \$ 330,000 \$ 330,000 \$ 330,000 \$ 330,000 \$ 330,000 \$ 300,000 <	38 211 11/01/2009 Water SCADA System
Z001010 Recircular Water Dept. Z0000 £ 830,000 £ 830,000 £ 830,000 £ 830,000 £ 98,325 90 16 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 3 0 15 10 10 15 10 10 15 10 <th< td=""><td>36 212 7/1/2009 Sed basin repair and equipment upgrade</td></th<>	36 212 7/1/2009 Sed basin repair and equipment upgrade
ije 10010 Primouth Vidiger Water & Sevene Dist (300 (36 2.13 10/1/2009 UNI DOVER NO INCLUMENT WITH SUME SWOW
Oli 10000 Ministre Merinem, Winger Farm Condos 18.3 4 82,000 5 82,000 0 0 0 1 0 2 0 1 0 35 1931010 Percention Mater Depti 33000 \$ 3,000,000 \$ 3,000,000 0 0 0 0 0 1 0 0 0 1 0 0 0 35 1371010 Featromouth Mater Depti 34000 \$ 3,000,000 \$ 460,000 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1<	00 214 09/01/2005 publication of Stationany Standby Emerican
1951010 Pertronucth Mater Dept 3.000 (\$ 3,000 (\$ 3,000,000 (\$ 3,000,000 (\$ 0,000 (36 215 07/01/2009 (Installedior) 01 Societies Staticate Environment
211000 Seabooe Water Dept 14000 \$ 50,150 50,150 0 0 0 0 0 23 10 35 1871010 Perethorught Water Denty Attent Works 4660 \$ 150,000 \$ 460,000 0 0 0 0 0 10 22 3 10 35 1521010 Perethorught Water Denty 2651 \$ 220,000 \$ 460,000 0 0 10 0 10 3 0 35 1521010 Perethorught Water Denty 2651 \$ 220,000 \$ 240,000 0 20 10 17 0 10 3 00100 Perenty Water Denty 1500 \$ 43,750 \$ 43,750 \$ 43,750 0 13 0 <td>10 217 a/20/2009 Well #2 . rehabilitation</td>	10 217 a/20/2009 Well #2 . rehabilitation
1371010 Presteromenty Mater Water Monts 24500 5 250,000 5 250,000 5 250,000 5 250,000 5 250,000 250,000 250,000 250,000 250,000 250,000 200,00	at 218 R/1/2009 Rehab WWT Admin bldg to be Water Dept. C
152/0010 Mercentin Water Cept 255/5 70000 510000 510000 61000 10	35 219 10/19/2009 Avery Street/Water Street Water Main replac
202000 Bemont vater System 1300 \$ 55,000 \$ 55,000 0 20 0 15 0 0 15 0 0 15 0 15 0 15 0	35 220 10/19/2009 Jenness Hill Road Water Main Replacement
Currow function Constraint Co	35 221 8/30/2009 Well #3 B-in x 600ft transmission main inter
1955030 Pertamouth Water Dept 33000 \$ 1,500,000 \$ 1,500,000 \$ 1,500,000 \$ 1,500,000 \$ 1,500,000 \$ 1,000,000 \$ 0,000,000 \$ 1,000,000 \$ 0,000,00	34 222 6/1/2010 Replacement welt (antimony MLL)
155/0010 Pertermouth Water Dept. 33000 \$ 1,000,000	33 223 9/30/2009 Hobbs Fill Water Storage Lank replacement
1661010 Permbroke Water Works 2200 \$ 46,750 \$ 46,750 \$ 45,750 0 0 18 0 15 0 15 0 20 0 20 0 20 0 20 0 20 0 20	33 2.24 3/ 20/ 2007 Copies January 480G 1018 14 2002 1018
	22 225 3/1(2009 Exoting mater managed Permitting Program
1971010 Raymond Water Department 2682 \$ 60,000 \$ 54,000 0 3	33) 227 B/24/2009 (Watermain extension
	33 228 8/31/2009 Interconnect with South Berwick
2/11/U1 (ROMINSUE WATE ATTOC 2375/00 \$ 3775/00 \$ 3775/0 33	33 229 10/9/2010 Replace Adam Hill storage tank
02310101010-001000 001000 1 2000 1 2000 0 0 0 0 0 0	33 230 9/21/2009 Route 125 Loop Water System
	13 231 10/01/2009 Upgrade of Surface Water Treatment Plant IC

Attachment A

ALL Status June 9, 2009

ALL Status June 9, 2009

					1	American Reco	very a	nd Reir	vestm	ent A	ct of 20	009			\mathbf{n}	5	OXYMMX7
					NH	Drinking Water	SRF -	Stimuli	is Pack	age F	reappl	ication)s		T 12	HI	THERY COV
				OTHER DW	\$ 29,640,000		Denot	es prop	osed fur	nded p	roject				LT/		
	Ship way to be	total projects received	280	GREEN DW	\$ 7,800,000		Denot	es prop	osed fur	nded o	areen inf	rastruct	ture				
H	•	total requested (\$1,000s)	\$ 248.923	Total available	\$ 17.440.000		Δ	B		D	F	F	6	Р			** System declined ARRA funding
H		(1,0001)	* = 10,525	Total Ect Coct	FLICIPLE		EDIA/A	ow		CAD	DEADI	4550	CDE		Driarity		System detime a Anno- randing.
E	EDA TO	Dial Alama	Dogulation		COST	COMMON ATTOS	JUNCE	011-	DEC		NECE	ALLO	GRE	TOTAL	Phonity	Browert Start	Project Decraintion
н	2001010 Boshort	PW3 Name	20000	¢ 1,000,000	¢ 1,000,000	COMPIDERTIVE	100	510			11233	2040		27	727	10/1/2009	Alum dudas lassas unarada
Н	2001010 Rochest	er Water Dept	20000	\$ 1,000,000	\$ 1,000,000				14		15	2	10	21	232	10/1/2009	Water main relevation - Conviding Tek w/ OOT area
Н	2001010 Rockest	Vater Dept	18000	\$ 1,200,000	\$ 725,000 \$ 1,700,000				10	0	30	0	10	30	233	6/12/2009	Water main receasion - spaciality rpk w/ bor proj
H	1451010 Madision	Village Dist of Fidelweiss	10000	\$ 346 800	\$ 346 800				0	0	30	- 0	0	30	235	06/01/2009	Reinach Tank Ungrade
H	0341030 Camoto	n Watenville Estates VD	715	\$ 1395,000	\$ 1395,000		t õ	Ň	Ň	<u> </u>	30	0	0	້າ	236	6/1/2009	New well and transmission main, access road
H	0882060 Gilford	Winnstock Condo Asso	125	\$ 29,900	\$ 29,900		ň			0	30	0	- 0	30	237	06/15/2009	Generator
H	1221010 Jaffrey \	Water Works	3825	\$ B16,750	\$ 816,750		ŏ	18	- 0	Ő	0	11	0	29	238	10/1/2010	Squantum well oumn house and monert to dist
H	1221010 Jaffrey \	Water Works	3825	\$ 1.661.000	\$ 1,661,000		18	0	ō	Ő	Ő	11	0	29	239	6/30/2010	Old Sharon Road water main extension service to POTW, transfer sta
ht	0501010 Concord	Water Dept	43000	\$ 350,000	\$ 350,000		0	Ō	18	0	0	D	10	28	240	2/1/2010	Raw water metering and process control upgrade
ht	1201010 Hudson	Water Utility	16000	\$ 275,000	\$ 275,000		ŏ	0	18	0	0	Ō	10	28	241	07/01/2010	Upgrade Windham Road Booster Station
H	1741010 Newport	t Water Works	5000	\$ 2,279,000	\$ 2,279,000		Ö	20	0	Ō	Ō	3	Ō	23	242	5/1/2011	New well development
П	D161020 Lower B	artilett W P	3386	\$ 3,340,000	\$ 3,340,000		0	0	0	0	22	0	D	22	243	8/1/2009	Interconnect Cow Hill with Lower Bartiett
1	0161020 Lower B	artlett W P	3386	\$ 1,000,000	\$ 1,000,000		0	0	0	0	22	D	0	22	244	7/31/2009	Attitash Woods interconnection with Lower Bartlett
Π	0501010 Concord	Water Dept	43000	\$ 75,000	\$ 75,000		0	0	18	0	3	0	0	21	245	1/1/2010	Pump station #2 upgrade
Π	1181020 Hookset	t Village	2250	\$ 2,000,000	\$ 2,000,000		0	20	0	0	0	0	0	20	246	4/1/2010	Interconnect with Manchester WW, rte 3A
	0691010 Durham	/UNH Water Supply	16000	\$ 2,136,000	\$ 2,136,000		0	18	0	0	0	0.	0	18	247	03/01/2010	Spruce Hole Well Development - Phase II (Distribution System)
ET	0151010 Barringti	on, Swains Lake Water	150	\$ 875,000	\$ \$75,000		0	_0	18	0	0	0	0	18	248	08/01/2010	Construction of New Groundwater Supply Source
	2441010 Watervil	le Valley Water Dist	3050	\$ 1,395,000	\$ 1,395,000		0	14	0	0	0	3	0	17	249	10/30/2010	connect new water supply to distribution system
Π	NONE Town of	Ossipee	na	\$ 154,000	Not eligible									0	250	pending	Dismantling Town incinerator
	NONE Town of	Bow	na	\$ 8,625,000	Not eligible	1								0	251	9/1/2009	New water system construction
	NONE Town of	Thornton	na	\$ 75,000	Not eligible									0	252	ASAP	New well piping, plumbing
	0501010 Concord	Water Dept	43000	\$ 25,000	Not eligible									0	253	10/1/2009	Storage tank repairs
	2051010 Salem W	/ater Dept	18000	\$ 750,000	Not eligible									0	254	3/15/2010	Howard St standpipe interior/exterior painting
	2151010 Somersw	rorth Water Works	12000	\$ 690,000	Not eligible								[0	255	pending	Rocky Hill Rd standpipe recoating / discharge pipe
	1071010 Hanover	Water Works	8500	\$ 230,000	Not eligible			i						0	256	6/1/2009	Rebuild spillway at Reservoir #2
	1071010 Hanover	Water Works	8500	\$ 172,500	Not eligible									0	257	6/1/2009	Resurface dam face at Reservoir #1
1	1071010 Hanover	Water Works	8500	\$ 172,500	Not eligible									0	258	6/1/2009	Refacing dam at reservior #2
	1071010 Hanover	Water Works	8500	\$ 57,500	Not eligible									0	259	6/1/2009	Rebuild spillway bridge for Reservioir #1
	1071010 Hanover	Water Works	8500	\$ 57,500	Not eligible									Q	260	6/1/2009	Rebuild spillway bridge at reservoir#2
-	1071010 Hanover	Water Works	8500	\$ 28,750	Not eligible									0	261	6/1/2009	Repair spillway at Reservoir #1
+	1911010 Pittsfield	Aqueduct Co (PAC)	1595	\$ 70,000	Not eligible									0	262	07/15/2009	Berry Pond, Berry Brook Dam repairs/upgrades
+	1211010 Jackson \	Water Precinct	500	\$ 74,750	Not eligible									0	263	4/21/2009	SRW connection for geothemal
4-	1681010 Newfield	s Village W & S	500	\$ 830,000	Not eligible									0	264	5/1/2009	PH upgrade, arsenic and CC treatment
	1193030 Hopkinto	n, Deer Meadows	150	<u>\$658,000</u>	Not eligible					1			1	0(265	pending I	New well supply for 6 priv homes affect by landfill

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The State of New Hampshire



DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

February 19, 2008

THOMAS MASON SR LAKES REGION WATER CO 420 GOV WENTWORTH HWY PO BOX 389 MOULTONBOROUGH NH 03254-0389

Subject: CWS: TAMWORTH: TAMWORTH WATER WORKS: EPA # 2311010

SANITARY SURVEY

Conducted October 4, 2007

Dear Mr. Mason Sr.:

On October 4, 2007, I visited the subject public water system to perform an in depth sanitary survey. The purpose of the sanitary survey is to evaluate the capabilities of the water system's sources, treatment facilities, distribution system, and management to continually produce safe drinking water. I wish to thank Greg Finnegan of Lakes Region Water Co. (LRWC) for his cooperation in performing this survey.

SYSTEM DESCRIPTION

The Tamworth Water Works obtains its water from one active gravel well, GPW 1/005 (green cap), which is located 100 feet south of the pumphouse (PH). The access road to the PH is located on the east side of Rte 133A (Chinook Trail) and just south of #366 Chinook Trail.

NOTE: There are also two inactive wells on site, BRW 1/004 and the "Hartley BRW". BRW 1 (blue cap) is 195 feet southeast of the PH. It was later physically disconnected from the system on 9/19/2007. The Hartley BRW (flat aluminum cap marked "Hartley Well etc") is 149 feet south-southeast of the PH and ~40-50 feet east of BRW 1. It was never connected to the water system.

As per well completion report #233.0461, GPW 1 was drilled by Tasker's Well Co on June 5, 2004. It is 123 feet deep and yields 25 GPM (as per driller's 48-hr pumping test). It is a six inch diameter well with 51 feet of casing. As per the driller's additional info notes, a six inch hole was drilled to 51 feet and then reamed out to 10 5/8 inch diameter. Fifty-one feet of casing was set and packed with 3/8 P stone to from 51-15 feet. The last 15 feet were capped off with bentonite chips. It was then drilled to 123 feet and developed.

Water is pumped from GPW 1 to the PH where it passes a source sampling tap and meter before entering the 20,000 gallon atmospheric storage tank (screened vent inside PH). No

ATTACHMENT

Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 2 of 8

treatment equipment was observed; former treatment equipment for corrosion control (K-5 blended phosphate, sodium orthophosphate) was taken offline on 9/8/2007. Three booster pumps transfer the water to the hydropneumatic tank (5,000 gals). Only one of the three booster pumps was observed to be online during this survey. The untreated water passes a DEP tap and distribution meter before leaving the PH to 60 service connections supplying approximately 265 people.

OPERATOR CERTIFICATION VERIFICATION

Name of system's operator: Tom Mason Sr. of LRWCOperator's License #: 247Operator's Certification Grade (s):(D) II (T) IIRequired Certification Grade(s) For Water System:(D) I (T) IA

IDENTIFICATION NUMBERS FOR SYSTEM AND SOURCES

All New Hampshire public water supply systems, as well as each source, are assigned an identification number. These numbers will also appear on the state water laboratory results/reports and **should be used on all correspondence with our office.** The identification numbers assigned to your water system/sources appear below:

NAME OF SYSTEM	EPA ID #
Tamworth Water Works	2311010
WATER SUPPLY SOURCES	ID #
GPW 1: 100' south of PH	005

The remaining portion of this letter will address the specific deficiencies noted during the sanitary survey. We have grouped these deficiencies into 'significant' and 'minor' deficiencies. The positive aspects of your system are also indicated. It is our intention to point out the water system's deficiencies while at the same time providing constructive criticism.

ACKNOWLEDGEMENTS

The majority of the significant deficiencies with the water system, identified in previous site visits, have been corrected/repaired. Thanks you for your cooperation in making these repairs.

SIGNIFICANT DEFICIENCIES

Significant deficiencies are those deficiencies that can have a direct effect on the water system's water quality or can reduce the water system's reliability and ability to deliver water to its customers. We must require that you give the significant deficiencies your immediate attention. All significant deficiencies must be corrected within <u>90</u> days from the date of the sanitary survey.



Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 3 of 8

To ensure this, we are requiring that you establish and submit, within $\underline{45}$ days, a completion schedule to correct the significant deficiencies. You must notify this office, in writing, when they have been corrected.

Please be advised that water supply systems with outstanding deficiencies can be denied requests for reductions in sampling frequency or for waivers from sampling for various contaminants. Water systems with outstanding significant deficiencies can also be subject to administrative fines for failing to make the necessary corrections.

Duplicate Booster Pumps

Duplicate booster pumps must be installed. Water systems that lose pressure may allow the entry of contaminants back into the distribution system through breaks in the piping system or by back-siphonage of contaminants through the service connections. In order to minimize this possibility and also assure a reasonable degree of mechanical reliability, each system must have duplicate booster pumps. Duplicate pumps also provide flexibility in scheduling repairs. Emergency responses on holidays or evenings (at premium wages) can be reasonably put off until the next business day.

During this survey, the following was observed: Booster pump #2 (7.5 hp) was valved open and on "auto" on the control panel. Booster pump #3 (7.5 hp) was valved off and "off" on the control panel. Booster pump #1 (jet) was valved open but "off" at the control panel. Thus, it appeared only booster pump #2 was online and operating during this survey. You must have two active/working booster pumps.

As per a phone conversation with Tom Mason Sr of LRWC on Oct 4, 2007, a second booster pump was put into operational/working order. No further action is needed.

Treatment Facilities

At the time of the survey, the treatment facilities were noted as being inoperative or providing inadequate treatment. This water system needs to have the treatment facilities operating in order to meet Federal and State water quality standards. This situation is unacceptable and must be corrected immediately. Please have the treatment facilities returned to proper service.

At the time of this survey, treatment equipment for corrosion control (K-5 blended phosphate, sodium orthophosphate) had been taken offline (on 9/8/2007). On 9/11/2007 an LOD #DWGB 07-176 was issued, listing Correction Action #8 and asked you to submit to DES information re: the unapproved treatment design and specs, date installed, date of operation and objective.

Attachment B

Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 4 of 8

On 9/25/2007 you responded to LOD 07-176 Correction Action #8 stating that the polyphosphate chemical treatment pump was removed 9/8/2007 and is no longer in service.

On 1/29/2008 Richard Thayer of DWGB's Lead & Copper section sent a letter to you re: the status of certain water systems with regards to optimal corrosion control treatment (OCCT) plan approvals. It listed 2311010-Tamworth Water had corrosion control treatment installed in August of 1996. It went on to state that if any corrosion control treatment processes had been removed from the above water systems, those treatment processes must be reinstalled and made operational as soon as possible or within two weeks from the receipt of the said Thayer letter. Thayer asked to be informed in writing of the date that treatment was reinstalled and is fully operational. Please contact Richard Thayer at 271-2950 or <u>richard.thayer@des.nh.gov</u> regarding this matter.

A phone call was placed at $\sim 10:00$ AM on 2/19/2008 to Tom Mason Sr. regarding the status of this issue. A message was taken by LRWC staff asking Tom Sr to call me back.

As per a telephone conversation with Tom Mason Jr. at 11:10AM on 2/19/2008, the treatment equipment is in the process of being reinstalled and should be completed within a few days. <u>Action Needed</u>: Complete reinstallation of required treatment and send written confirmation to Thayer and cc: Riel when the reinstallation is completed.

MINOR DEFICIENCIES

The 'minor' deficiencies indicated below are less pressing than the significant ones. Although these are not directly health threatening, they are nonetheless, important for proper and effective operation of a public water system. We would recommend that some of these improvements be accomplished in conjunction with other system work as that work develops, with a goal of completing the required work before the water system's next survey. This letter will hopefully act as a 'reminder' list, which would be referred to and acted upon the next, time your company, well driller, or distribution system repair contractor works on the system. The adoption of this approach will allow careful planning of the work and its accomplishment at a minimum cost.

Sources of Supply

The water system currently has more than 30 services and therefore may be required to have at least two well sources. The water system has only one well source. Any new well source requires approval by this office before use. Contact Jim Gill at 271-2949 or james.gill@des.nh.gov and Stephen Roy at 271-3918 or stephen.roy@des.nh.gov to determine if a second source is required and for initiating the approval process.

Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 5 of 8

Sanitary Protective Area

All community public water supply system wells require a sanitary protective area (protective well radius), under the control of the well owner within which no buildings, septic tank, leach fields, oil, debris, or other hazardous materials may be located or stored. Currently, these requirements are not being met. The area presently contains a perennial wetlands ~75' S of GPW 1. If water quality results, that may be attributable to this situation, appear higher than the Safe Drinking Water Act Maximum Contaminant Level (MCL); effective treatment will have to be installed or a new well will have to be established. The new well may either be located on-site or on an off-site location with an appropriate sanitary protective area and any required protective easements.

SYSTEM IMPROVEMENTS

The following system improvements and operation and maintenance procedures are noted below for your information and to assist you in improving the water system's ability to reliably provide water to its users. We could also recommend that some of these improvements be accomplished in conjunction with other system work.

Wellhead Marker

A metal pole (or something similar) with the Well ID# (GPW 1-005) should be secured near the wellhead(s). The marker will help to protect the wellhead against damage from recreational vehicles, trucks, snowplows, etc.. The marker will also assist in locating a well surrounded by heavy vegetation or beneath snowcover. If the well is marked and pump repairs become necessary, repair costs may be reduced and the water system may be repaired sooner.

Gate Valves

To ensure that gate valves are in working order, routine maintenance and exercising are required. Frequently, in older systems, there is an inadequate knowledge of valve location, or if known, these valves have become inaccessible due to subsequent construction, (i.e. buried under roadways). This makes routine maintenance impossible and greatly slows down emergency response. If a break occurs in a watermain, crews must first locate nearby valves before they can shut the section down. This increases both the amount of time that the system is inoperable and the danger of extensive contamination to the system.

It is therefore recommended that routine valve inspections be conducted once a year in which the following tasks are performed:

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- 1. Verify the exact location of all valves boxes.
- 2. Inspect the valve stem and nut for damage and possible leakage.
- 3. Close the valve fully, and record the number of turns to the fully closed position.
- 4. Reopen the valve and reestablish flow.
- 5. Clean the valve box cover seat.

Records should be upgraded to include a means to easily identify the location of all valves. Records should also include measurements from at least two reference points, the type of valve, and the number of turns required to open or close the valve.

Flushing

Distribution systems are normally flushed once a year through the blow-offs. In some water systems, the flushing must be done more often to keep sediment and sand in the piping under control. The flushing should be done during time of minimum water use. The frequency of flushing should be such that it prevents legitimate consumer complaints. Each gate valve on the water system should be turned annually to counteract mineral buildup and the subsequent jamming of the valve.

Leak Detection Survey

At least once a year the system should be checked for leakage. This can be accomplished in the following way. The water system's customers should be asked not to use any water between midnight to 6:00 A.M. on a particular evening. The water system operator should check system usage during this period by noting the usage on the meter or any change in the water level in your vented storage tanks (supply sources turned off). If there is any significant system demand, this can be attributed to leakage.

It is important to note that the force from this leakage sets in motion sand particles in the soil that will abrade the general area of the pipe ultimately to the point of total failure. The noise of this running water can normally be heard through the use of geophones, even though the leak has not surfaced. Intermediate and larger municipal water systems in your area likely have geophones and may be willing to loan them to you. If not, please contact our office for a list of contractors with this or more specialized types of equipment.

BACTERIA MONITORING PROGRAM

The water supply system satisfies the definition of a community public water supply system. Under the Safe Drinking Water Act (SDWA), all community public water supply systems are subject to certain requirements such as submitting samples of water for analysis and assuring that the water meets the quality standards of the Act. Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 7 of 8

If you fail to submit water samples on time, the State has the option of seeking substantial daily fines. Fines of up to \$2,000 can be assessed against systems for failure to monitor. Please insure that future samples are submitted in a timely manner.

The SDWA allows for a frequency reduction in bacterial samples to one sample per quarter (4/year), if the record of bacterial quality has been consistently good, and if a sanitary survey confirms the safety of your system and its sources.

A copy of the water system's master sampling schedule may be obtained from the DES Website at <u>http://www2.des.state.nh.us/OneStop/</u>.

If you have any questions regarding the bacteria monitoring program please contact this office at (603) 271-2542.

LEAD & COPPER REGULATIONS

On June 7, 1991, the EPA enacted the Lead and Copper Rule in drinking water. The major objective in the Lead and Copper Rule is to reduce lead in supply sources and to reduce lead and copper leached from piping. Specifically, the Lead and Copper Rule requires a water system to identify the most susceptible services based upon age and pipe material, and to monitor those services for lead and copper. For additional information on the Lead and Copper Rule and the water system's current responsibilities, please contact this office at (603) 271-2950.

SURVEY SAMPLING RESULTS

No samples were taken during the sanitary survey. Please refer to the water system's sampling schedule for the samples required to be taken and their respective due dates. These sample results must be from a laboratory certified by the New Hampshire Department of Environmental Services (DES) for the particular parameters being tested. It is the water system owner's responsibility to assure that these samples are taken and the results submitted to the Bureau.

A copy of the water system's master sampling schedule may be obtained from the DES Website at <u>http://www2.des.state.nh.us/OneStop/</u>.

If you have any questions regarding these results, the sampling schedule, or your responsibilities, please contact this office at (603) 271-6703 or (603) 271-3907.

RADON TREATMENT

Drinking water with a radon concentration greater than 4,000 pCi/L is a health concern. Historical water analysis records show that most bedrock wells in New Hampshire will

Attachment B

Tamworth Water Works-2311010 Sanitary Survey Letter-February 19, 2008 Survey conducted on October 4, 2007 Page 8 of 8

> exceed this new proposed standard. Therefore, radon treatment will likely be required for the water system at some time in the future. At this time radon treatment should be researched and anticipated for the current water supply sources.

WATER CONSERVATION

It is just as important for water systems to ensure that this valuable resource is not needlessly wasted as it is to provide clean, safe drinking water. Practicing water conservation will reduce operating costs, wastewater flows, and may help eliminate the need for additional water sources.

RSA 485.61 requires the NHDES to administer Water Conservation rules. Under this program, water systems seeking approval for new sources are required to implement Water Conservation measures including installation and maintenance of source and service meters, a water audit and/or a leak detection and repair program, rate structures that promote conservation, and implementation of an educational outreach initiative.

We suggest that appropriate fact sheets, found on the NHDES website (<u>http://www.des.state.nh.us/h2o_conservation.htm</u>), be distributed to all your customers to help achieve water conservation. By promoting Water Conservation, systems can encourage the wise use of their water resources while reducing overall system costs.

FUTURE CONSTRUCTION OR EXPANSION

Please be advised that, under RSA 485:8 (Approval of Construction or Alteration), no new construction, addition or alteration involving the source, treatment, distribution or storage of water in any public water supply system can begin without approval by the Bureau.

The ownership and operation of a public water supply system involve many significant responsibilities. These responsibilities can also involve financial liabilities. Our main concern is to protect the public health. It is also our intention to work with you in solving any water related problems that your system may have. Should you have any questions, please contact me at (603) 271-2539or by e-mail at kevin.riel@des.nh.gov or the appropriate staff member. Thank you for your attention to these matters.

Very truly yours,

KTRIEL

cc:

Kevin J. Riel Environmentalist III Drinking Water & Groundwater Bureau

DWGB Files: System, Riel, Thayer (pg 3-4), Gill & Roy (pg 4)





The State of New Hampshire **Department of Environmental Services**



January 22, 2007

THOMAS MASON SR LAKES REGION WATER CO PO BOX 389 MOULTONBOROUGH NH 03254-0389

Subject: CWS: CONWAY: WOODLAND GROVE: EPA # 0512130

SANITARY SURVEY June 21, 2006

Dear Mr. Mason:

On June 21, 2006, I visited the subject public water system to perform an in depth sanitary survey. The purpose of the sanitary survey is to evaluate the capabilities of the water system's sources, treatment facilities, distribution system, and management to continually produce safe drinking water. I wish to thank Fred Malatesta, Jr. of Lakes Region Water Co. for his cooperation in performing this survey.

SYSTEM DESCRIPTION

Woodland Grove obtains its water from two bedrock wells, BRW 1 and BRW 2. BRW 1 is located inside the pumphouse (PH). It is a six inch diameter well with an unknown depth and unknown length of casing. It yields 24 GPM. BRW 2 is located 40 feet southwest of the PH. It is a six inch diameter well with unknown casing length. It is 185 feet deep and yields 20 GPM.

Water is pumped simultaneously from BRW 2 into the PH passing a meter and source tap and shutoff valve, before joining with the BRW 1 waterline (source tap shared with BRW 2 line-in?) and blending the 10,000 gallon atmospheric storage tank. Pottassium carbonate (corrosion control) is fed into the top of the atmospheric tank. Two booster pumps transfer the water to the 3395 gallon hydropneumatic tank (with oil-less AC). Two outgoing water lines, each equipped with a water meter, distribute the treated blend to 62 single family residences, supplying approximately 155 people.

OPERATOR CERTIFICATION VERIFICATION

Name of system's operator: Fred Malatesta, Jr. of Lakes Region Water Co. Operator's License #: 2437 Operator's Certification Grade (s): (D) I (T) I **(D)** IA **(T)** IA **Required Certification Grade(s) For Water System:**



IDENTIFICATION NUMBERS FOR SYSTEM AND SOURCES

All New Hampshire public water supply systems, as well as each source, are assigned an identification number. These numbers will also appear on the state water laboratory results/reports and <u>should be used on all correspondence with our office</u>. The identification numbers assigned to your water system/sources appear below:

NAME OF SYSTEM	EPA ID #
Woodland Grove	0512130
WATER SUPPLY SOURCES	ID #
BRW 1: In PH	001
BRW 2: 40 southwest of PH	002

The remaining portion of this letter will address the specific deficiencies noted during the sanitary survey. We have grouped these deficiencies into 'significant' and 'minor' deficiencies. The positive aspects of your system are also indicated. It is our intention to point out the water system's deficiencies while at the same time providing constructive criticism.

SIGNIFICANT DEFICIENCIES

Significant deficiencies are those deficiencies that can have a direct effect on the water system's water quality or can reduce the water system's reliability and ability to deliver water to its customers. We must require that you give the significant deficiencies your immediate attention. All significant deficiencies must be corrected within <u>90</u> days from the date of the sanitary survey.

To ensure this, we are requiring that you establish and submit, within $\underline{45}$ days, a completion schedule to correct the significant deficiencies. You must notify this office, in writing, when they have been corrected.

Please be advised that water supply systems with outstanding deficiencies can be denied requests for reductions in sampling frequency or for waivers from sampling for various contaminants. Water systems with outstanding significant deficiencies can also be subject to administrative fines for failing to make the necessary corrections.

Atmospheric Storage Tank-Opening

Atop the atmospheric storage tank, two opening were observed. These openings potentially allows the entry of contaminants into the tank. One opening was an elbow pipe fitting, through which the chemical feed pipe enters the tank. The second opening is the orifice for the water level probed wires. The opening around the wires should be sealed/closed. This deficiency must be corrected immediately.



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As per an email dated 9/6/2006 from Fred Malatesta and received at the WSEB, the "atmos tank openings have been sealed, chem tube has been secured in feed port in atmos tank."

Treatment Facilities

At the time of the survey, the treatment facilities were noted as being inoperative or providing inadequate treatment. This water system needs to have the treatment facilities operating in order to meet Federal and State water quality standards. This situation is unacceptable and must be corrected immediately. Please have the treatment facilities returned to proper service.

The chemical feed tube for the potassium carbonate (corrosion control) had slipped from the feed port (elbow pipe fitting atop atmospheric tank) and was discharging down the tanks sides and onto the PH floor, where a water-foamy residue was observed. This was repaired on site during this survey by Fred Malatesta, who slipped the feed tube back into the feed port. However, the opening around the tube still needed to be sealed.

As per an email dated 9/6/2006 from Fred Malatesta, the "atmos tank openings have been sealed, chem tube has been secured in feed port in atmos tank."

MINOR DEFICIENCIES

The 'minor' deficiencies indicated below are less pressing than the significant ones. Although these are not directly health threatening, they are nonetheless, important for proper and effective operation of a public water system. We would recommend that some of these improvements be accomplished in conjunction with other system work as that work develops, with a goal of completing the required work before the water system's next survey. This letter will hopefully act as a 'reminder' list, which would be referred to and acted upon the next, time your company, well driller, or distribution system repair contractor works on the system. The adoption of this approach will allow careful planning of the work and its accomplishment at a minimum cost.

Water Meters

All community public water systems are required to have a water meter. Water meters provide a twofold benefit for the water system. A water meter quickly alerts the operator to leaks in the distribution system (well before excess electrical usage will note such leakage). Meter readings will provide actual usage data to determine when additional sources of water may be necessary. Meters are normally placed between the well and storage tanks where flow is more uniform and often at a lower rate. Thus a smaller meter can be used. There needs to be a meter at each source. Flows should be measured and recorded, preferably on a daily basis; but as a minimum, on a monthly basis. **The water line for BRW 1 needs a source meter.**



Conway-Woodland Grove-0512130 January 22, 2007 Page 4 of 7

Groundwater Seeping Into Pumphouse

An excessive amount of groundwater was noted to be seeping into the below gradeunderground pumphouse. This situation promotes corrosion of pipes, controls, and equipment; and may cause electrical problems. Measures should be taken to adequately drain the pumphouse and prevent this. A screened drain to daylight is recommended for an above grade pumphouse and a sump pump is required in below grade pumphouses when the installation of a drain to daylight is not possible. A sump pump was in place and in working order during this survey.

Sanitary Protective Area

All community public water supply system wells require a sanitary protective area (protective well radius), under the control of the well owner within which no buildings, septic tank, leach fields, oil, debris, or other hazardous materials may be located or stored. Currently, these requirements are not being met. The area presently contains <u>BRW 1:Micmac Road ~75'; BRW 2:Micmac Rd ~120',seasonal wet ~40'</u>. If water quality results, that may be attributable to this situation, appear higher than the Safe Drinking Water Act Maximum Contaminant Level (MCL); effective treatment will have to be installed or a new well will have to be established. The new well may either be located on-site or on an off-site location with an appropriate sanitary protective area and any required protective easements.

SYSTEM IMPROVEMENTS

The following system improvements and operation and maintenance procedures are noted below for your information and to assist you in improving the water system's ability to reliably provide water to its users. We could also recommend that some of these improvements be accomplished in conjunction with other system work.

Blow-Offs

Blow-offs are high volume flushing points located near the ends of the distribution system. They allow annual (or periodic) high volume flushing of the distribution system to remove iron sediment and silt originating in the well. Blow-offs are also critical in cleaning the distribution line after a watermain break. Without such flushing points, stones, sand, and possibly highly contaminated water must be run through each customer service line. This sand and stone often blocks flow in some service line and requires the disassembly of certain water use devices for cleaning, not to mention the potential contamination threat to health. Please install blow-offs at all ends of the distribution system.



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<u>Flushing</u>

Distribution systems are normally flushed once a year through the blow-offs. In some water systems, the flushing must be done more often to keep sediment and sand in the piping under control. The flushing should be done during time of minimum water use. The frequency of flushing should be such that it prevents legitimate consumer complaints. Each gate valve on the water system should be turned annually to counteract mineral buildup and the subsequent jamming of the valve.

BACTERIA MONITORING PROGRAM

The water supply system satisfies the definition of a community public water supply system. Under the Safe Drinking Water Act (SDWA), all community public water supply systems are subject to certain requirements such as submitting samples of water for analysis and assuring that the water meets the quality standards of the Act.

If you fail to submit water samples on time, the State has the option of seeking substantial daily fines. Fines of up to \$2,000 can be assessed against systems for failure to monitor. Please insure that future samples are submitted in a timely manner.

The SDWA allows for a frequency reduction in bacterial samples to one sample per quarter (4/year), if the record of bacterial quality has been consistently good, and if a sanitary survey confirms the safety of your system and its sources.

A copy of the water system's master sampling schedule may be obtained from the DES Website at <u>http://www2.des.state.nh.us/OneStop/</u>.

If you have any questions regarding the bacteria monitoring program please contact this office at (603) 271-2542.

LEAD & COPPER REGULATIONS

On June 7, 1991, the EPA enacted the Lead and Copper Rule in drinking water. The major objective in the Lead and Copper Rule is to reduce lead in supply sources and to reduce lead and copper leached from piping. Specifically, the Lead and Copper Rule requires a water system to identify the most susceptible services based upon age and pipe material, and to monitor those services for lead and copper. For additional information on the Lead and Copper Rule and the water system's current responsibilities, please contact this office at (603) 271-2950.

SURVEY SAMPLING RESULTS

No samples were taken during the sanitary survey. Please refer to the water system's sampling schedule for the samples required to be taken and their respective due dates.



Conway-Woodland Grove-0512130 January 22, 2007 Page 6 of 7

> These sample results must be from a laboratory certified by the New Hampshire Department of Environmental Services (DES) for the particular parameters being tested. It is the water system owner's responsibility to assure that these samples are taken and the results submitted to the Bureau.

A copy of the water system's master sampling schedule may be obtained from the DES Website at <u>http://www2.des.state.nh.us/OneStop/</u>.

If you have any questions regarding these results, the sampling schedule, or your responsibilities, please contact this office at (603) 271-6703 or (603) 271-3907.

RADON TREATMENT

A new Federal drinking water standard of 300 pCi/L for radon has been proposed by the EPA. Historical water analysis records show that most bedrock wells in New Hampshire will exceed this new proposed standard. Therefore, radon treatment will likely be required for the water system at some time in the future. At this time radon treatment should be researched and anticipated for the current water supply sources. A summary sheet on radon is enclosed for your information.

WATER CONSERVATION

As important as it is to continue to maintain our water supply systems to provide clean and safe drinking water, it is equally important that this valuable resource not be needlessly wasted. By conserving water, reduction in water use can be realized. These reductions represent lower system operating costs, reducing wastewater flows, and may eliminate the need for expansion of some water systems. For more information on the WSEB's Water Conservation Program, contact Derek Bennett at (603) 271-4087 or dbennett@des.state.nh.us.

FUTURE CONSTRUCTION OR EXPANSION

Please be advised that, under RSA 485:8 (Approval of Construction or Alteration), no new construction, addition or alteration involving the source, treatment, distribution or storage of water in any public water supply system can begin without approval by the Bureau.

SPARE PARTS

It is a good idea to maintain an inventory of spare parts of each diameter pipe in the water system. Although of some initial cost, such an inventory is quite appropriate when compared to the cost of emergency labor and equipment left standing idle, waiting for such a part to be picked up at a distant supplier. Gate valves, repair clamps, tapping saddles, and lengths of pipe should be stocked for each diameter pipe in your water system. Please note when storing PVC pipe that it loses some strength when directly exposed to the ultraviolet rays of the sun.



Conway-Woodland Grove-0512130 January 22, 2007 Page 7 of 7

The ownership and operation of a public water supply system involve many significant responsibilities. These responsibilities can also involve financial liabilities. Our main concern is to protect the public health. It is also our intention to work with you in solving any water related problems that your system may have. Should you have any questions, please contact me at (603) 271-2539 or by e-mail at kriel@des.state.nh.us or the appropriate staff member. Thank you for your attention to these matters.

Very truly yours,

TRIPL

Kevin J. Riel Water Pollution Sanitarian II Water Supply Engineering Bureau

cc: Fred Malatesta, Jr. WSEB Files: System, Binder, Riel







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VIEW OF TOP ATMOS TANK FROM KENE/ OPEN- LENCE (LEFT) CHEM FEED TUEF HAS BEEN RE-INSERTED INTO PSET INTO ATMOS TANK (BUT HAS CRENING THAT NEEDS TO BE SEALED) (RKHT) WATER-LEVEL ELECTRODE WINES ENTER OPEN HOLE INTO ATMOS THUK -OPEN HOVE NEEDS TO EE SEALED.





CITEM FEED DRIPPING OFTO TOP OF ATTHOS TANK DAIRN SIDE, ONTO PH FLOOR'.

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CONWAY WOODAND GROVE 0512130

A Hachment C

The State of New Hampshire



DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

May 29, 2009

Thomas Mason, Jr. Lakes Region Water Company 420 Gov Wentworth Hwy PO Box 389 Moultonborough, NH 03254-0389

> Subject: Tamworth; Tamworth Water Works EPA ID #: 2311010 Uranium Treatment of Bedrock Well

Dear Mr. Mason:

This letter will note our approval, with comments, of the proposed Uranium treatment equipment for the currently unused bedrock well at the Tamworth Water Works.

The present water system has two wells: an unused bedrock well, rated at 25 gpm, and the active gravel well, rated at 25 gpm. The gravel well will continue to be treated for corrosion control using Potassium Carbonate. The future use of the bedrock well will be conditioned on treatment with a flow of approximately 20 gpm.

The report indicates that the gravel well will act as the main producing well with the bedrock well used to provide supplement flow. This well will also provide mechanical reliability to the supply function. The proposed treatment for the Bedrock well will use Anion Exchange. The treatment equipment train will consist of a 10 micron particle filter and two 24" diameter Anion Exchange treatment tanks in series. There will be approximately 10 cubic feet of media in each tank. The anticipated design flow rate is 25 gpm.

The current design proposes a ½ cubic foot of Dow RSC specialty cation resin which preferentially adsorbs Radium. There is very little Radium in either of these water supply wells. and our discussion with Mr. Lewis indicated that that material may be removed.

Flow Regimes Concerning paragraph 2 in the first page of the design report; the proposed pump sequence would have approximately 90 % of the water produced from the gravel well and approximately 10% from the bedrock well. The policy of the DWGB sampling program is "that if blended samples are used for compliance sampling then the blend ratio of the two sources must be constant throughout the sampling period.

If, on the other hand, compliance monitoring is performed at essentially wellheads; then each source could then be used at any production level desired. Please consider these two options

DES Web site: www.des.nh.gov P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095 Telephone: (603) 271-2513 • Fax: (603) 271-5171 • TDD Access: Relay NH 1-800-735-2964 Thomas Mason Sr Tamworth Water Works May 29, 2009 Page 2 of 2

and report back to us before our final field inspection of the completed installation of the equipment.

Physical Rinse of Filters The physical rinse for the adsorber tanks is proposed to be discharged to the floor drain. This fluid should drain into a dry well in the soils and not be discharged onto the surface of the ground.

Tank Location These tanks are 24 inches in diameter and would have an estimated weight approaching 500-1000 lbs per tank. These tanks should have an easy method for dewatering prior to disposal shipment. We also request that tank movement around the open pump house doors be considered when choosing the final tank location.

Waste Disposal Disposal of spent anion exchange resin will be performed by a speciality radionuclide contractor: This will create a peak in operational costs approximately every three or so years according to the report. It would be prudent to put aside an annual budget reserve to spread this expense over the operational period. Such set-a-side likely needs to be consistent with the policies of the Public Utilities Commission. Cost components consist of removal and disposal of the exhausted media and tank and the purchase and placement of the new anion exchange media and its associated. Based on other uranium treatment projects, projected overall cost for these expenses is estimated at, approximately \$10,000.

Please call me with any questions at 271-2952 or by email at bernard.lucey@des.nh.gov.

Sincerely,

CC:

Sernard Luciey

Bernard Lucey, P. E. Senior Engineer Drinking Water and Groundwater Bureau

Bruce Lewis Leah McKenna, DES Dennis O'Dowd, DHHS



Lakes Region Water Company Inc.

From: Bruce Lewis [lewis.h2o@comcast.net]

Sent: Wednesday, June 10, 2009 10:51 AM

To: Tom Carol Mason; Tom Carol Mason

Subject: Anticipated Filtration Equipment Life for Removal of Radioactive Minerals - Tamworth Water EPA #2311010

Dear Tom:

As you know, NHDES in a letter dated May 29, 2009, have approved the design for the necessary water treatment system for Tamworth Water's bedrock water supply well (BRW-01). This is being undertaken as part of the ARRA / SRF program.

Proper disposal of the filter resin, once contaminated with the radioactive minerals, is one of the primary issues. This will be done utilizing the services of a licensed radioactive waste disposal company.

To that end, the filtration equipment has a finite life, as the filter vessel itself acts as the shipping container for the contaminated resin, and is turned over in total, properly drained and sealed, ready for shipment.

In this application, the anticipated life of the filtration system (2 filters) will average 5 years, with one filter per 2.5+/- years having to be changed. This is an estimated timeframe, based on the level of radioactive minerals, the amount of resin, and the amount of water that will be treated through the filtration system.

As an example, if water use increases, and more water has to be treated, the average system life will be lessened.

After review, please contact this office with any questions.

Respectfully,

Bruce W. Lewis, P.E. - Manager Lewis Engineering, PLLC 44 Stark Lane Litchfield, NH 03052 tel. 603-886-4985 - fax 886-5149 Email: lewis.h2o@comcast.net



Please consider the environment before printing this email



DWSRF ARRA REVIEW PROCESS

- 265 Pre-applications (\$246,236,590)
- \$ 37,400,000 available for projects (\$18,700,000 ARRA funds and \$18,700,000 DWSRF funds)
- Drinking Water Infrastructure Projects
- Energy/Water Efficiency & Green Projects (20% -\$3.9 million)



DWSRF Setasides Allotment

- Available: 4% Administration (\$780,000)
- To be taken by NH: \$390,000 (2%)
- Available: 2% Technical Assistance (\$390,000)
- To be taken by NH: **\$390,000** (2%)
- Available: 10% Program Management (\$1,950,000)
- To be taken by NH: 0



RANKING CRITERIA – Drinking Water

- Developed by DES using the following considerations:
 - ARRA requirements (New)
 - Readiness
 - Green
 - SDWA Violations *
 - Quantity/Storage Deficiencies *
 - Treatment/Design Deficiencies *
 - Affordability *
 - Capacity Development (New) *
 - * Not eligible for PWS with less than 50% permanent residents



RANKING CRITERIA -Drinking Water

- Violations of National Drinking Water Standards
 - Total and fecal coliform
 - Nitrate
 - Filtration Related Treatment Techniques
 - THM's
 - Lead and Copper (90th percentile)
 - Primary Organics, inorganics, and radionuclides
 - Secondary standards
 - Boil status



Attachment F

RANKING CRITERIA -Drinking Water

- Quantity Deficiencies or Insufficient Storage
 - Continual shortage (daily)
 - Shortage during peak demand
 - Shortage during seasonal high use with conservation plan
 - Shortage during seasonal high use without conservation plan



Treatment/Design Deficiencies **RANKING CRITERIA –**

installation, or replacement of all or a corrected by enlargement, repair, Design deficiencies that could be portion of the water system

34

NHRECOVERY provingental vervices

RANKING CRITERIA – Capacity Development

- Public water systems in need of significant technical, managerial, or financial assistance
 - Identified the need for improvements in Sanitary Survey and listed on capacity development tracking database.



Attachment 17

RANKING CRITERIA -Drinking Water

- Readiness to proceed to construction contract award – 30 points (Maximum)
 - ARRA requires that preference be given to projects that can be started within 120 days of February 17, 2009.
 - Project score based on pre-application information submitted by applicant.
 - Use it or lose it.



Readiness to Proceed

I. Readiness to Award Construction Contract (Maximum 30 points)

Award Date	Points
By June 17, 2009	30
June 18-August 16, 2009	22
August 17-October 15, 2009	15
October 16-December 14, 2009	7
December 15, 2009-January 16, 2010	3
After January 16, 2010	0



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RANKING CRITERIA -Drinking Water

- Affordability
 - Ratio that compares water rate to the Median Household Income (MHI)
 - MHI used from 2000 census
 - Water rates utilized from 2006 Water Rate survey or statewide average



Att a chrment f

Affordability

V. Affordability (Maximum 15 points)

User Rate/Median Income x 100%	Points
>2.0	15
1.75-2.0	11
1.50-1.74	7
1.00-1.49	က
<1.0	0

e.g., water use rate = \$500/yr, median household income = \$40,000/yr affordability ratio = 500/40,000 X 100% = 1.25

RANKING CRITERIA -Drinking Water

- Project Includes Component that has Green Infrastructure, Water Efficiency, Energy Efficiency or Environmentally Innovative Benefit
 - ARRA requires 20% of funds be dedicated to green projects (\$3.9 million)
 - EPA listed "categorical" green projects
 - Conventional energy or water efficiency



 Public Hearin Please keep comments cond We will allow more time onco Written comments are encotinew information or difference ranking. We will seriously consider al new information or difference ranking. We will seriously consider al new information or difference ranking. We will seriously consider al new information, please commarked and the public hearing context answer period: we are here have questions, please commarked and the public hearing context answer period: we are here have questions, please commarked and the public hearing context answer period: we are here have questions, please commarked and the public hearing context answer period. Note: rankings could chang comments. 	 have questions, please comment then contact staff afterwards. You have a week to finalize your written comments Note: rankings could change based on DES analysis of comments. 	 In the public hearing context, this is not a question and answer period: we are here to receive comments. If you have questions, please comment then contact staff 	 ranking. We will seriously consider all comments. 	 Please keep comments concise due to limited time. We will allow more time once everyone has commented. Written comments are encouraged especially if you have new information or differences in interpretation of project 	Public Hearing Procedure
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DW 09-098 Lakes Region Water Company Staff Data Requests – Set 2

Date Request Received: 6/12/09	Date of Response: 6/16/09
Staff 2-1	Witness: Stephen P. St. Cyr

Request: Staff 1-4, Attachment D appears to indicate a cost of approximately \$10,000 every three years for disposal and replacement of the proposed Tamworth uranium treatment filters (p. 2, 'Waste Disposal' paragraph - see also Attachment E). Please indicate how the overall cost of this option compares to the cost of any other options considered, such as a new well.

Response: LRWC has explored the possibility of installing a new well both onsite and offsite. The land that the Company owns is very small. It is not large enough to sustain a new well in addition to its three (3) existing wells. The Company has also explored purchasing property for a new well. The costs of new property would be very expensive. In addition, there would be the costs of an additional pump station and storage. This option is simply too cost prohibitive. In addition, the excessive levels of uranium in the exiting wells suggest that any other new source may contain high uranium content as well.

Date Request Received: 6/12/09	Date of Response: 6/16/09
Staff 2-2	Witness: <u>Stephen P. St. Cyr</u>

Request: Staff 1-6 meant to ask why the three main replacement projects included in the filing were chosen by the company, not by DES, over other possible main replacement projects. Please respond to the question as clarified, including what criteria were considered.

Response: The three main replacement projects chosen by the Company were selected due to their excessive leakage and aging infrastructure. The construction of the existing pipelines suggests that more failures will occur in the future. Additionally, full time community water systems ranked higher on the ARRA funding listing than second home communities.

STEPHEN P ST CYR STEPHEN P ST CYR & ASSOC 17 SKY OAKS DR BIDDEFORD ME 04005

Docket #: 09-098 Printed: June 18, 2009

<u>FILING INSTRUCTIONS:</u> PURSUANT TO N.H. ADMIN RULE PUC 203.02(a),

WITH THE EXCEPTION OF DISCOVERY, FILE 7 COPIES (INCLUDING COVER LETTER) TO:

DEBRA A HOWLAND EXEC DIRECTOR & SECRETARY NHPUC 21 SOUTH FRUIT STREET, SUITE 10 CONCORD NH 03301-2429

PURSUANT TO N.H. ADMIN RULE 203.09 (d), FILE DISCOVERY

DIRECTLY WITH THE FOLLOWING STAFF

RATHER THAN WITH THE EXECUTIVE DIRECTOR

LIBRARIAN NHPUC 21 SOUTH FRUIT ST, SUITE 10 CONCORD NH 03301-2429

BULK MATERIALS:

Upon request, Staff may waive receipt of some of its multiple copies of bulk materials filed as data responses. Staff cannot waive other parties' right to receive bulk materials.

DOUG BROGAN NHPUC 21 SOUTH FRUIT ST, SUITE 10 CONCORD NH 03301-2429

MATTHEW FOSSUM NHPUC 21 SOUTH FRUIT ST, SUITE 10 CONCORD NH 03301-2429

MARK NAYLOR NHPUC 21 SOUTH FRUIT ST, SUITE 10 CONCORD NH 03301-2429

AMANDA NOONAN CONSUMER AFFAIRS DIRECTOR NHPUC 21 SOUTH FRUIT ST, SUITE 10 CONCORD NH 03301-2429

Docket #: 09-098 Printed: June 18, 2009

DISCOVERY