Office of

AUBURN SEWERAGE DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Sewerage District will be held at the office of the Auburn Sewerage District, 268 Court Street, on **Tuesday, January 21, 2014, at 4:00 P.M.**

AGENDA

1. Approve Minutes of Regular Meeting of December 17, 2013.
2. Approve Minutes of Budget Public Hearing of December 18, 2013.
3. Update on Odor Control Strategy - Cascades Auburn Fiber.
4. Financial Report Update - *Greg Leighton.*
5. Ratify Payment of Bills
6. Open Session
7. Activity Report - *Sid Hazelton.*
8. New Business
   - LAWPCA Apportionment - FYI only.
   - Process to replace Truck 21.
   - Bid process for 2014 Sewer Liners.
   - Status of Customer Service Managager position.
9. Old Business
   - Discussion of 2014 CSO work.
   - City of Auburn participation (CSO projects).
10. Adjourn Regular Meeting.

December 17, 2013

The regular monthly meeting of the Trustees of the Auburn Sewerage District was held at the Office of the Auburn Sewerage District, 268 Court St. on Tuesday, November 19, 2013 at 4:00PM.

Members present: Treasurer, Robert Cavanagh. Trustees: Heidi McCarthy, Joseph DeFilipp and Jeffrey Preble. Also present: Tizz Crowley, Mayor's Representative, John Storer, Superintendent, Sid Hazelton, District Engineer and Greg Leighton of Maine Water Company.

On motion of Joseph DeFilipp, seconded by Heidi McCarthy, it was unanimously voted: **To approve the minutes of the Regular Meeting of November 19, 2013.**

FINANCIAL REPORT

Sales are up 1% from 2012. The District is projecting a surplus of $260,000 with $870,000 cash on hand.

RATIFY PAYMENT OF BILLS

On motion of Tizz Crowley, seconded by Jeffrey Preble, it was unanimously voted: **To ratify the payment of bills in the amount of $ 246,583.78 as shown on the printout dated November 16, 2013- December 13, 2013.**

OPEN SESSION – K C Geiger, Auburn Water District Trustee was in attendance.

ACTIVITY REPORT – The November Activity Report was presented by Sid Hazelton

Whitney St. is in good shape and will not need to be lined.

NEW BUSINESS

LAWPCA APPORTIONMENT – FYI only. The District will have a credit at year end which the District will not receive until the audit has been completed.

SEWER RATE COMPARISON – FYI only.

APPROVE 2014 MEETING DATES

On motion of Tizz Crowley, seconded by Jeffrey Preble, it was unanimously voted: **To approve the 2014 meeting dates.**

OLD BUSINESS

REVISIONS TO 2014 DRAFT BUDGET

The budget reflects a 9.8% Rate Increase on July 1, 2014. The Health Plan remains as is.

It appears that the Water District will be asked to operate the New Gloucester water system. Superintendent Storer will have a Draft Contract in January

ADJOURN THE MEETING

On motion of Tizz Crowley, seconded by Joseph DeFilipp, it was unanimously voted: **To adjourn the meeting.**

December 18, 2013

A Public Hearing on the FY 2014 Water District Budget and FY 2014 Sewerage District Budget was held by the Trustees of the Auburn Water District and the Auburn Sewerage District at the office of the Auburn Water & Sewerage Districts on Wednesday, December 18, 2013 at 5:30PM.

Present:

Auburn Water District	Auburn Sewerage District
Tizz Crowley	Tizz Crowley
Preston Chapman	Robert Cavanagh
James Wilkins	Heidi McCarthy
K.C. Geiger	Jeffrey Preble
Robert Cavanagh	Joseph DeFilipp
Rick Whiting	Sid Hazelton
Sid Hazelton	John Storer
Lee Upton	
John Storer	

REVIEW OF 2014 WATER & SEWERAGE DISTRICT BUDGETS

PUBLIC HEARING FOR DISCUSSION OF BUDGETS

As no one from the public was in attendance, the public hearing was closed.

ADOPTION OF FY 2014 WATER DISTRICT BUDGET -

On motion of Tizz Crowley, seconded by Preston Chapman, it was unanimously voted: **To adopt the Auburn Water District 2014 Budget in the amount of $3,267,938.**

ADOPTION OF FY 2014 SEWERAGE DISTRICT BUDGET -

On motion of Joseph DeFilipp, seconded by Jeffrey Preble, it was unanimously voted: **To adopt the Auburn Sewer District 2014 Budget in the amount of $3,840,048.**

On motion of Robert Cavanagh, seconded by Preston Chapman, it was unanimously voted: **To adjourn the Water District meeting.**

On motion of Robert Cavanagh, seconded by Tizz Crowley, it was unanimously voted: **To adjourn the Sewer District meeting.**

Cascades Odor Control Strategy

1/16/2014

Cascades Mill Overview

- The Cascades Auburn Fiber facility is located at 586 Lewiston Junction Road and was built by Stone and Webster in 1994.
- The facility was purchased in 1998 by Cascades and recently celebrated its 15th anniversary with the company.
- The mill takes in paper that was recycled and cleans, screens & bleaches it to be resold as a post consumer pulp source. It is then shipped offsite to facilities throughout the northeast and used in the manufacturing of things like the LL Bean catalog, wine labels, and tissue products.

Odor and Odor Control

- In the past, odor issues in the sewer system that were associated with discharge from the mill were treated with a pH control type of strategy using sodium hydroxide. This approach proved to not be 100% reliable. One limitation of this approach being a change in sewer conditions such as the introduction of another source to the sewer can reduce the effectiveness of this strategy.
- Cascades, AWSD, and LAWPCA met on multiple occasions in 2013 to determine a more effective odor control strategy.
- A study had been performed in the past by a well known consulting engineer, Bob Bowker. (See attached excerpt of study performed by Mr. Bowker).
- This study recommended the use of hydrogen peroxide to increase effectiveness in treating Cascades effluent for odor.

- Experimental application was run in the late summer of 2013 similar to the recommended parameters outlined by Mr. Bowker. An initial dose of three gallons per hour was run and then was slowly reduced. A follow up meeting was conducted and the dosage required to work effectively was determined at that point to be two gallons per hour.
- In October of 2013 AWSD agreed to the effectiveness of this treatment and the decision was made to move forward with this application.
- In December 2013 Cascades Auburn Fiber began putting in capital equipment to run this application year round 24/7. At this point over $20,000 has been invested in this project.
- Since New Years day we have been running four gallons per hour of peroxide flow out of the bulk system without interruption.

EVALUATION OF HYDROGEN SULFIDE CONTROL ALTERNATIVES FOR WASTEWATER DISCHARGED FROM THE CASCADES-AUBURN FIBER DE-INKING MILL

Prepared for:

CASCADES-AUBURN FIBER, INC.
586 Lewiston Junction Road
PO Box 1804
Auburn, ME 04210

Prepared by:

BOWKER & ASSOCIATES, INC.
CONSULTING ENGINEERS
477 Congress Street, Suite 1004
Portland, ME 04101

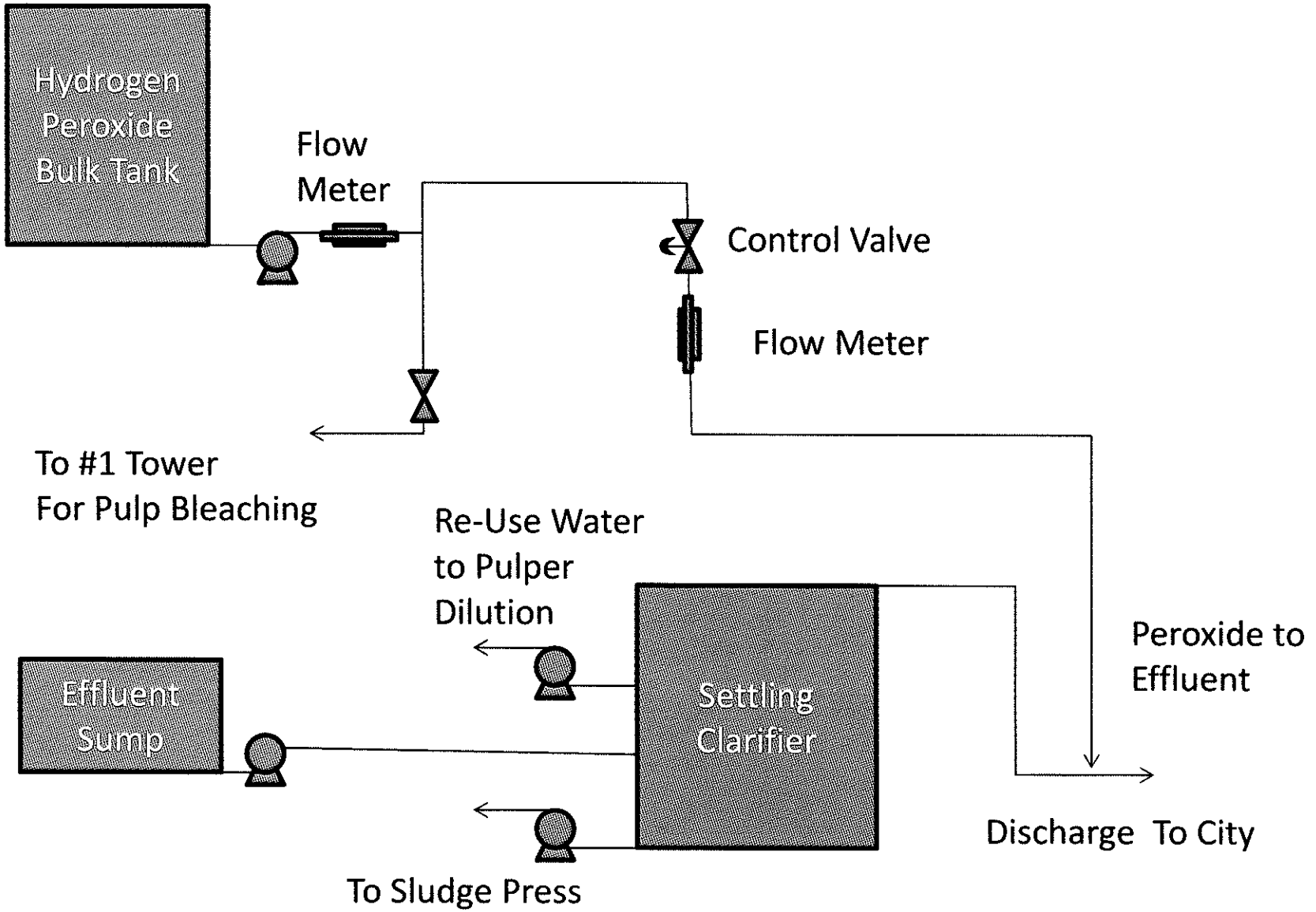
April, 1999

6. RECOMMENDATIONS

A full-scale trial of ferrous chloride and/or hydrogen peroxide is recommended to assess their effectiveness in reducing hydrogen sulfide as a function of dosage rate. For hydrogen peroxide, assuming an effluent flowrate of 500 gal/min, a initial feed rate of 30 lb/hr (3 gal/hr) should be established for 24 hours. This is three times the estimated requirement based on field experience with municipal wastewater. This high feed rate is recommended in order to "condition" the downstream sewers and establish new equilibrium conditions. After confirming through downstream monitoring that this dosage controls the hydrogen sulfide to acceptable levels, the dosage should be reduced to 2.5 gal/hr on the second day. If successful, the dosage should be further reduced to 2.0 gal/hr on the third day, 1.5 gal/hr on the fourth day, and 1.0 gal/hr on the fifth day. This approaches the 21 gal/day dosage used as a basis for the cost estimate in Table 6. A similar program can be developed to evaluate the effectiveness of iron salts such as ferrous chloride. Generally, dosage rates for iron salts more closely approximately the theoretical or stoichiometric requirement.

By monitoring H_2S levels at each successive dosage rate, an optimum dosage can be determined. Target wastewater sulfide levels should be 0.5 ppm or less. Ideally, target headspace H_2S concentrations should be less than 10 ppm. This may be difficult to achieve at highly turbulent locations. A permanent chemical feed system should provide flow-paced chemical feed rates to match the mass flowrate of sulfide in the wastewater.

New Effluent Treatment System Using Hydrogen Peroxide



AUBURN SEWERAGE DISTRICT
OPERATING STATEMENT - TRUSTEES' REPORT
TWELVE MONTHS ENDED DECEMBER 31, 2013

	December	2013	Y-T-D THRU DECEMBER 2013		
	YTD - 2012	BUDGET	ACTUAL	BUDGET	VARIANCE
REVENUES:					
Metered Income	$3,097,834	$3,115,609	3,125,862	$3,115,609	$10,253
Industrial Surcharge	519,519	523,737	523,699	523,737	(38)
Public Basins	53,893	53,892	53,893	53,892	1
Jobbing & Mdse.	61,148	12,500	25,237	12,500	12,737
Sewer Assessments	139,952	13,570	30,912	13,570	17,342
Finance Charges	17,959	18,000	14,717	18,000	(3,283)
Interest Income	2,396	2,500	1,953	2,500	(547)
Industrial Treatment Sampling	46,200	46,200	46,200	46,200	0
Capacity Fees (SDS)	15,750	7,875	23,750	7,875	15,875
TOTAL REVENUES	**3,954,651**	**3,793,883**	**3,846,223**	**3,793,883**	**52,340**
			101.38%	**100.00%**	**< Standard**
EXPENSES:					
Payroll	337,212	357,507	361,347	357,507	3,840
Employee Benefits	178,435	194,272	179,802	194,272	(14,470)
Maint. of Sewers	75,272	52,935	69,761	52,935	16,826
Lift Stations	98,320	91,286	99,915	91,286	8,629
Maint. of Buildings	33,563	32,038	35,738	32,038	3,700
Maint. of Trucks	10,149	15,844	14,407	15,844	(1,437)
Office Expense	24,602	26,235	27,863	26,235	1,628
Collection Expense	(7,366)	(7,272)	(5,513)	(7,272)	1,760
General Expense	11,967	9,764	18,175	9,764	8,411
Insurance	28,484	29,888	40,788	29,888	10,900
Legal & Accounting Fees	27,719	28,158	32,139	28,158	3,981
Billing Expense	61,162	62,213	67,363	62,213	5,150
L.A.W.P.C.A.	2,122,329	2,157,853	2,086,645	2,157,853	(71,208)
SUB-TOTAL	**3,001,848**	**3,050,721**	**3,028,432**	**3,050,721**	**(22,289)**
Interest	108,525	100,322	98,973	100,322	(1,349)
TOTAL EXPENSES	**3,110,373**	**3,151,043**	**3,127,406**	**3,151,043**	**(23,637)**
			99.25%	**100.00%**	**< Standard**
Bonds - Principal Payments	575,945	462,851	462,852	462,851	1
SURPLUS FROM OPERATIONS	**268,333**	**179,989**	**255,965**	**179,989**	**75,976**

AUBURN SEWERAGE DISTRICT
BALANCE SHEET
PERIOD ENDING - DECEMBER 31, 2013

	12/31/2013	12/31/2012
Property, Plant and Equipment:		
Plant in Service	31,171,170.90	30,645,776.20
Less: Accumulated Depreciation	(12,308,520.24)	(12,097,654.63)
	18,862,650.66	18,548,121.57
Construction Work In Progress	5,895.39	8,953.26
Current Assets:		
Cash	1,040,153.94	1,004,366.11
Accounts Receivable	428,809.25	481,276.72
Construction Assessments	28,416.21	14,694.58
City of Auburn Debt	641,586.44	682,979.12
PrePaid Insurances	22,920.00	9,874.00
Total Current Assets	2,161,885.84	2,193,190.53
Deferred Charges	102,420.96	121,454.28
Total Assets	21,132,852.85	20,871,719.64

	12/31/2013	12/31/2012
Equity Capital	15,174,630.63	14,872,652.13
Long Term Debt	4,975,998.26	5,443,742.12
Capital Lease (Vacuum Truck)	262,205.80	0
Current Liabilities:		
Current Portion of LTD	467,743.86	462,851.81
Accounts Payable	209,689.40	43,546.47
Accrued Interest & Other	35,594.90	42,267.11
Customer Deposits	6,990.00	6,660.00
Other Miscellaneous	0.00	0.00
Total Current Liabilities	720,018.16	555,325.39
Deferred Credits	0.00	0.00
Total Equity & Liabilities	21,132,852.85	20,871,719.64

Auburn Sewerage District
Accounts Payable Alpha Check Register
December 12, 2013 thru January 16, 2014

1/16/2014

Check #	Date	Per	Vendor	Invoice Date	Inv #	Description		Amount
3210	12/27/2013	12	Andros. Registry Of Deeds	12/26/2013	1633	place/release liens		66.00
							Vendor Total:	**66.00**
3209	12/27/2013	12	Androscoggin Bank	12/23/2013	1632	customer refund		20.90
							Vendor Total:	**20.90**
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		24.00
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		9.66
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		1,209.94
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		204.72
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		2,035.00
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		233.96
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		34.50
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		1,103.64
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		450.71
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		2,472.52
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		523.25
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		231.31
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		27.27
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		132.63
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		224.50
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		28.73
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		36.12
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		4,116.74
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		3,290.98
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		353.48
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		176.75
3211	12/27/2013	11	Auburn Water District	12/13/2013	Bk26Pg	November		1,345.70
							Vendor Total:	**18,266.11**
3213	12/27/2013	11	Constellation NewEnergy, Inc	12/6/2013	125645	Worthley Brook		374.52
3213	12/27/2013	12	Constellation NewEnergy, Inc	12/11/2013	126235	Lewiston Jct Rd		215.35
3213	12/27/2013	12	Constellation NewEnergy, Inc	12/11/2013	126226	River Station		448.66
							Vendor Total:	**1,038.53**
3218	1/3/2014	12	Constellation NewEnergy, Inc	12/12/2013	126409	Merrow Rd		23.38
3218	1/3/2014	12	Constellation NewEnergy, Inc	12/12/2013	126417	Moose Brook		269.20
							Vendor Total:	**292.58**
3225	1/10/2014	12	Constellation NewEnergy, Inc	12/18/2013	127495	Washington St		140.58
							Vendor Total:	**140.58**
3234	1/10/2014	12	E.J. Prescott, Inc.	12/20/2013	476084	vas usage		60.94
							Vendor Total:	**60.94**
3200	12/20/2013	12	Fastenal Company	12/13/2013	123517	River Station upgrade		67.64
							Vendor Total:	**67.64**
3214	12/27/2013	12	Fastenal Company	12/20/2013	123651	River Station		42.28
3214	12/27/2013	12	Fastenal Company	12/19/2013	123608	River Station		16.40

Auburn Sewerage District
Accounts Payable Alpha Check Register
December 12, 2013 thru January 16, 2014

1/16/2014

Check #	Date	Per	Vendor	Invoice Date	Inv #	Description		Amount
							Vendor Total:	**58.68**
3215	12/27/2013	12	Gilman Electrical Supply	12/17/2013	793778	Worthley Brook		289.44
3215	12/27/2013	12	Gilman Electrical Supply	12/18/2013	793888	Worthley Brook		48.07
							Vendor Total:	**337.51**
3226	1/10/2014	12	Gilman Electrical Supply	11/25/2013	791156	River Station		415.44
							Vendor Total:	**415.44**
3219	1/3/2014	1	Group Dynamic, Inc.	12/17/2013	1635	annual fee		500.00
							Vendor Total:	**500.00**
3220	1/3/2014	12	Horizon Solutions, LLc	12/20/2013	415618	River Station		747.02
							Vendor Total:	**747.02**
3222	1/3/2014	12	Industrial Automation Supply	12/18/2013	501176	Worthley Brook		110.79
							Vendor Total:	**110.79**
3201	12/20/2013	12	L.A.W.P.C.A.	12/3/2013	424	Dec		116,526.41
							Vendor Total:	**116,526.41**
3221	1/3/2014	12	L.A.W.P.C.A.	12/16/2013	426	Industrial pre treat		49,400.00
							Vendor Total:	**49,400.00**
3230	1/10/2014	12	L.A.W.P.C.A.	12/19/2013	429	vac truck dumps		1,110.00
							Vendor Total:	**1,110.00**
3232	1/10/2014	1	Maine Municipal Assoc.	1/1/2014	68039	workers comp-2014		4,033.20
							Vendor Total:	**4,033.20**
3233	1/10/2014	1	Maine Municipal Emp.Hlth.	12/13/2013	1642	Jan insurance		7,262.03
3233	1/10/2014	1	Maine Municipal Emp.Hlth.	12/13/2013	1642	Jan insurance		84.90
3233	1/10/2014	1	Maine Municipal Emp.Hlth.	12/13/2013	1642	Jan insurance		240.02
3233	1/10/2014	1	Maine Municipal Emp.Hlth.	12/13/2013	1642	Jan insurance		557.22
3233	1/10/2014	1	Maine Municipal Emp.Hlth.	12/13/2013	1642	Jan insurance		1,281.57
							Vendor Total:	**9,425.74**
3203	12/20/2013	12	Morrison & Sylvester Inc.	7/31/2013	C68197	vac tk-fuel filter		89.37
							Vendor Total:	**89.37**
3204	12/20/2013	12	Motion Industries	12/16/2013	314014	Worthley Brook		6,215.22
							Vendor Total:	**6,215.22**
3236	1/10/2014	12	Occupational Health Centers	12/9/2013	120262	Desjardins drug test		46.00
							Vendor Total:	**46.00**
3217	1/3/2014	12	Pad Property Group	12/27/2013	1634	customer refund		65.95
							Vendor Total:	**65.95**
3205	12/20/2013	12	Petro's Ace Hardware	12/16/2013	78076	snow shovels		35.99
							Vendor Total:	**35.99**
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916554	Moose Brook		160.00

Auburn Sewerage District
Accounts Payable Alpha Check Register
December 12, 2013 thru January 16, 2014

1/16/2014

Check #	Date	Per	Vendor	Invoice Date	Inv #	Description		Amount
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916555	Portable C		160.00
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916556	Worthley Brook		160.00
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916560	River Station		385.00
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916551	Washington St		160.00
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916552	Lewiston Jct		160.00
3206	12/20/2013	11	Power Products, Inc.	11/25/2013	916553	Green Turtle		160.00
							Vendor Total:	**1,345.00**
3235	1/10/2014	12	Rent-It Of Maine, Inc.	12/19/2013	36025	River Station		296.07
3235	1/10/2014	12	Rent-It Of Maine, Inc.	12/23/2013	36040	E-1 bucket		156.38
							Vendor Total:	**452.45**
3237	1/10/2014	12	Skelton, Taintor & Abbott	12/6/2013	507102	customer foreclosure		292.50
3237	1/16/2014	12	Skelton, Taintor & Abbott	12/6/2013	507102	Void check #3237		-292.50
							Vendor Total:	**0.00**
3207	12/20/2013	11	Ted Berry Co., Inc.	11/25/2013	11554	maintenance of mains		3,145.00
							Vendor Total:	**3,145.00**
3224	1/3/2014	12	Traction	12/18/2013	754167	River Station		77.70
							Vendor Total:	**77.70**
3202	12/20/2013	12	Treasurer, State of Maine	12/16/2013	1629	Desjardins w/e 12/15		82.00
							Vendor Total:	**82.00**
3216	12/27/2013	12	Treasurer, State of Maine	12/26/2013	1631	Desjardins w/e 12/22		82.00
							Vendor Total:	**82.00**
3223	1/3/2014	12	Treasurer, State of Maine	12/30/2013	1636	Desjardins w/e 12/29		82.00
							Vendor Total:	**82.00**
3231	1/10/2014	1	Treasurer, State of Maine	1/7/2014	1641	Desjardins w/e 1/5		82.00
							Vendor Total:	**82.00**
3228	1/10/2014	12	Vantagepoint Transfer Agent-	12/31/2013	1639	Dec ICMA		1,767.70
							Vendor Total:	**1,767.70**
3227	1/10/2014	12	Vantagepoint Transfer Agent-	12/31/2013	1638	Dec ICMA		1,087.85
							Vendor Total:	**1,087.85**
3229	1/10/2014	12	Vantagepoint Transfer Agent-	12/31/2014	1640	Dec ICMA		300.40
							Vendor Total:	**300.40**
3208	12/20/2013	11	Williamson N E Electric	11/29/2013	804906	River Station upgrade		13,845.01
							Vendor Total:	**13,845.01**
								231,419.71

Grand Total:

x24 Payroll + Taxes 31,945.10

$ 263,364.81

ASD BILLS PAID
12/31/2013

Affiliated Healthcare	annual drug pool test fee	1142-300	2675-500	$ 87.50
Androscoggin Cty Chamber	membership dues for 2014	1142-300	2675-500	$ 125.00
Ann's Flower Shop	fruit basket - Sid	1142-300	2675-800	$ 35.97
Auburn Water District	shared employees benefit allocation - Dec	1604-000	2604-000	$ 1,400.87
Auburn Water District	shared employees wage allocation - Dec	1685-000	2601-600	$ 3,113.04
City of Auburn	gas for month of Dec	1142-300	2650-120	$ 260.62
City of Auburn	gas for month of Dec	1142-300	2650-121	$ 328.39
City of Auburn	gas for month of Nov	1142-300	2620-500	$ 38.90
City of Auburn	gas for month of Nov	1142-300	2650-120	$ 120.26
City of Auburn	gas for month of Nov	1142-300	2650-121	$ 244.76
City of Auburn	street permits	1142-300	2620-600	$ 500.00
Beltone Answering Service	answering service - Nov	1142-300	2675-500	$ 37.82
Beltone Answering Service	panic buttons-Dec	1142-300	2675-800	$ 4.97
Beltone Answering Service	answering service - Dec	1142-300	2675-800	$ 28.75
Bisson Enterprises, Inc.	office cleaning - Dec	1142-300	2675-500	$ 282.50
Budget Document	credit old copier -toner maintenance agreement	1142-300	2620-800	$ (17.77)
Budget Document	toner maintenance-new copier	1142-300	2620-800	$ 100.00
Central Maine Power	power @ 268 Court Street - Dec	1142-300	2615-500	$ 179.88
Central Maine Power	power @ 268 Court Street - Dec	1142-300	2615-800	$ 89.94
Constellation NewEnergy	energy charge @ 268 Court Street - Dec	1142-300	2615-500	$ 215.42
Constellation NewEnergy	energy charge @ 268 Court Street - Dec	1142-300	2615-800	$ 107.72
Critical Alert	pagers - Dec to Feb	1142-300	2675-600	$ 72.69
Curry Printing	blue work cards	1142-300	2620-800	$ 88.04
Dig Safe System, Inc.	estimated cost - Dec	1142-300	2675-600	$ 324.31
DirigoNet	dig safe addresses	1142-300	2675-800	$ 21.25
Fortier's Security	padlocks & keys	1142-300	2620-500	$ 155.94
Fortier's Security	keys	1142-300	2620-500	$ 15.60
Rod Hill	UPS Ipswich	1142-300	2601-100	$ 37.49
Gilman Electric	light repair	1142-300	2620-500	$ 33.53
Gilman Electric	reflex stripper	1142-300	2620-500	$ 13.35
Gilman Electric	low temp alarm	1142-300	2620-500	$ 29.81
Goodman Wiper	rags & hand cleaner	1142-300	2620-500	$ 82.75
GovConnection, Inc	new computers - Diane D & Norma	1142-300	2340-000	$ 1,006.28
Home Depot	shop supplies-boards, nuts & bolts, bins	1142-300	2620-500	$ 129.49
Industrial Automation Supply	shop - power supply	1142-300	2620-500	$ 200.83
KL Jack	shop-straps	1142-300	2620-500	$ 44.07
Labcorp	drug testing for December	1142-300	2675-600	$ 60.45
City of Lewiston	wages and benes - Dan Rodrigue - Dec	1142-300	2601-600	$ 2,042.68
City of Lewiston	wages and benes - Dan Rodrigue - Dec	1142-300	2604-000	$ 630.88
City of Lewiston	wages and benes - Dan Rodrigue - Dec	1142-300	2658-000	$ 45.75
Lowe's	gloves	1142-300	2604-000	$ 18.96
Maine State Retirement System	retirement contribution - December	1142-300	2604-000	$ 1,774.72
Maine State Retirement System	retirement contribution - life - actives	1142-300	2241-030	$ 10.12
Maine State Retirement System	retirement contribution - life - retirees	1142-300	2241-040	$ 25.28
Maine Water Company	accounting services - Greg Leighton - Dec	1142-300	2632-800	$ 1,815.00
WB Mason	trash liners	1142-300	2620-500	$ 49.99
WB Mason	tape	1142-300	2620-800	$ 8.30
WB Mason	rubber bands, letter opener	1142-300	2620-800	$ 7.49
WB Mason	printer ribbons, tabs	1142-300	2620-800	$ 82.06
WB Mason	binders & month tabs-Greg	1142-300	2620-800	$ 38.97
Napa	shophand tools, tire changing kit, ez flow, earth	1142-300	2620-500	$ 47.15
Ness Oil	diesel for December	1142-300	2620-600	$ 75.50
Northern Data Systems	customer billing - Dec	1142-300	2675-700	$ 729.28
Northern Data Systems	W2's & 1099's	1142-300	2675-800	$ 50.37
Northern Data Systems	annual license	1142-300	2675-800	$ 1,008.00
Northern Data Systems	annual license	1142-300	2675-800	$ 839.50
Northern Data Systems	quarterly H/W maint	1142-300	2675-700	$ 183.00
OfficeMax	index maker	1142-300	2620-800	$ 24.66
Oxford Networks	telephone service - Dec	1142-300	2676-800	$ 131.90
Pine Tree Waste	bulk waste - Dec	1142-300	2675-500	$ 56.08
Pitney Bowes	12/1/2013 to 2/28/2014	1142-300	2675-800	$ 200.00
Pitney Bowes	12/1/2013 to 2/28/2014	1142-300	2675-800	$ 30.00
Redlon & Johnson	Kohler pop up	1142-300	2620-500	$ 10.57
Reggie's	snowblower belts	1142-300	2620-500	$ 17.15
Reggie's	bar & chain oil	1142-300	2620-500	$ 4.97
Reggie's	bar & chain oil & files	1142-300	2620-500	$ 14.92
Rochester Midland	restroom handsfree yearly fee	1142-300	2675-500	$ 294.42
Skelton, Taintor, & Abbott	professional services	1142-300	2633-800	$ 1,023.50
Skelton, Taintor, & Abbott	professional services	1142-300	2633-800	$ 206.50
Staples	computer monitors Drinkwater & Norma	1142-300	2340-000	$ 113.99
John Storer	business mileage reimbursement - Dec	1142-300	2675-500	$ 175.00
SunJournal	office manager employment ad	1142-300	2675-500	$ 480.06
TW Paving	CSO Seperation	1142-300	2105-863	$ 2,330.22
TW Paving	sewer cave in	1142-300	2620-600	$ 693.33
U.S. Cellular	cell phones - Dec	1142-300	2676-500	$ 225.44
U.S. Cellular	Dec wireless	1142-300	2676-500	$ 26.74
United Way	employee contribution - Dec	1142-300	2241-000	$ 18.00
Unitil	268 Court Street - Dec	1142-300	2620-500	$ 1,086.89
USA Bluebook	Vac truck #35 coupling	1142-300	2650-123	$ 64.95
				26,312.71

AUBURN SEWERAGE DISTRICT
MONTHLY ACTIVITY REPORT
December 2013

MAINS

Location	Ck'd	Comments	OK	Plug	Maint.	Misc.	New
Turner St - TD Bank	1	Clean out invert @ Goodwill			1		
27 Dee St	1	Flush main - sewer backup			1		
139 Field Av	1	Slow flow - flushed - 4 root balls			1		
Monthly Totals	3		0	0	3	0	0
2012 Monthly Totals	1		0	1	0	0	0
YTD Totals	107		6	9	82	10	0

MANHOLES

Location	Ck'd	Comments	OK	Cover	Misc.	Frame & Cover	New
South Main St	1	Cold patch 2 manholes			1		
Cross Country Lines	1	Locate manholes			1		
Roak Block	1	Barricade - broken frame & cover				1	
Roak Block	1	Cold patch around manhole			1		
Monthly Totals	4		0	0	3	1	0
2012 Monthly Totals	7		0	5	0	2	0
YTD Totals	45		0	3	16	25	1

SERVICES

Location	Ck'd	Comments	New	OK	Misc.	Cut
2028 Hotel Rd	1	Sewer odor complaint			1	
Washington St Fabric Warehouse	1	Private pump not working		1		
9 Cyr St	1	Video service - broken in drainage trench				1
153 Sixth St	1	On owner		1		
139 Field Av	1	On owner - Act Now cleaned service		1		
Monthly Totals	5		0	3	1	1
2012 Monthly Totals	8		2	6	0	0
YTD Totals	66		5	40	16	5

LIFT STATIONS

Location	No.	Comments
E-1, E-2	1	Program and test interlock
E-1	1	Pumps clogged - removed wet wipes/tampons
E-1	1	Power failure
E-1, E-2	1	Radio & PLC programming
Evergreen	1	Program remanufactured radio
Merrow Rd	1	Pumps air bound - back flush - troubleshoot controls
Washington St	1	Pump #2 fail (generator run) - reset pump
Lewiston Junction	1	High wet well - pump #1 fail - reset and pump down
Merrow Rd	1	Setup excessive run timer alarm
River Station	1	Program VFDs
E-2	1	Reset pump #1
Worthley Brook	1	Pump fail - install new VFDs
E-6	1	Troubleshoot communications fail
River Station	1	Install new pumps
E-1	1	Comm fail - ice on antenna - troubleshoot radio
Taylor Pond	1	Pump down lift stations - Ice storm power outage
Monthly Totals	16	
2012 Monthly Totals	12	
YTD Totals	184	

OVERFLOWS

Item		Comments
Download CSO's	1	
Monthly Totals	1	
YTD Totals	16	

WEATHER*

Month	Precipitation					Temperature			
	Snowfall (in.)	Total (in)	Heating Degree Days	Normal Precip	Days of Precip.	Max. (°F)	Min. (°F)	Avg. (°F)	Dep. from Norm
January	4.2	1.31	1360	3.26	9	55	-4	21	1.5
February	39.6	3.56	1139	2.55	13	44	1	24	1.1
March	16.5	1.85	930	3.64	8	53	15	33	0.5
April	0	1.71	679	3.78	10	71	21	42	-1.7
May	0	5.87	356	3.9	14	91	28	54	-1.4
June	0	6.80	108	3.58	15	93	44	64	-0.4
July	0	3.59	6	3.43	9	91	51	71	0.9
August	0	3.65	39	3.25	9	86	44	66	-2.7
September	0	1.17	225	3.60	8	89	33	58	-1.9
October	0	0.90	516	4.04	5	78	19	48	-0.8
November	0.5	3.87	911	3.81	8	66	5	35	-3.2
December	21.3	4.82	1384	3.50	12	42	-14	20	-5.7
YTD Totals	82.10	39.10							

* From www.wunderground.com

DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Fairpoint	AWD	CMP	ASD	GAS	MTA
January	45	19	2	6	0	2	1	6	9	0	0	0
February	20	10	1	1	0	1	3	3	1	0	0	0
March	91	30	3	41	0	1	3	5	8	0	0	0
April	177	88	6	39	0	0	1	7	14	0	22	0
May	143	77	3	17	1	2	3	5	16	0	19	0
June	162	71	4	52	0	0	0	0	10	0	25	0
July	183	79	3	29	0	1	2	4	11	0	53	1
August	131	47	1	34	0	0	0	5	26	0	18	0
September	160	53	4	51	0	0	0	15	4	4	29	0
October	135	81	1	10	1	2	1	4	9	1	25	0
November	95	42	3	12	0	0	1	8	23	0	6	0
December	41	23	0	4	0	0	0	3	8	0	3	0
YTD Totals	1383	620	31	296	2	9	15	65	139	5	200	1
2012 Totals	1263	611	33	285	1	3	10	64	114	9	124	9

DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Sewer Service	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	7			6	1	0	0	0	0	0	0
Water District	11	0	2	3		0	4	0	0	0	2
Monthly Totals	18	0	2	9	1	0	4	0	0	0	2
2012 Monthly Totals	10	0	0	2	0	3	2	2	0	0	1
YTD Totals	202	8	19	74	21	12	43	14	8	0	3

OTHER ACTIVITIES

1. Annual Sexual Harassment Training
2.
3.

Lewiston - Auburn Water Pollution Control Authority

Final cost Apportionment summary for 2013

Cost Apportionment Summary - First Half of 2013

cmr 1/7/2014

	Lewiston Sewer Division						Auburn Sewerage District					
Month	Initial %	Intial $	Op Data	Op Data $	Difference $		Initial %	Intial $	Op Data	Op Data $	Difference $	
January	54.00%	$146,335.50	61.16%	$165,738.51	($19,403.00)	0.0	46.00%	$124,656.17	38.84%	$105,253.16	$19,403.00	0
February	54.00%	$146,335.50	56.66%	$153,543.88	($7,208.38)	0.0	46.00%	$124,656.17	43.34%	$117,447.79	$7,208.38	0
March	54.00%	$146,335.50	60.24%	$163,245.38	($16,909.88)	0.0	46.00%	$124,656.17	39.76%	$107,746.29	$16,909.88	0
April	55.00%	$149,045.42	55.75%	$151,077.86	($2,032.44)	0.0	45.00%	$121,946.25	44.25%	$119,913.81	$2,032.44	0
May	55.00%	$149,045.42	56.96%	$154,356.86	($5,311.44)	0.0	45.00%	$121,946.25	43.04%	$116,634.81	$5,311.44	0
June	55.00%	$149,045.42	55.22%	$149,641.60	($596.18)	0.0	45.00%	$121,946.25	44.78%	$121,350.07	$596.18	0
Six Month Adjustment			57.67%		($51,461.32)				42.34%		$51,461.32	0

Cost Apportionment Summary - Second Half of 2013

	Lewiston Sewer Division						Auburn Sewerage District					
Month	Initial %	Intial $	Op Data	Op Data $	Difference $		Initial %	Intial $	Op Data	Op Data $	Difference $	
July	57.00%	$154,465.25	53.76%	$145,685.12	$8,780.13	0.0	43.00%	$116,526.42	46.24%	$125,306.55	($8,780.13)	0
August	57.00%	$154,465.25	55.32%	$149,912.59	$4,552.66	0.0	43.00%	$116,526.42	44.68%	$121,079.08	($4,552.66)	0
September	57.00%	$154,465.25	55.44%	$150,237.78	$4,227.47	0.0	43.00%	$116,526.42	44.56%	$120,753.89	($4,227.47)	0
October	57.00%	$154,465.25	53.62%	$145,305.73	$9,159.52	0.0	43.00%	$116,526.42	46.38%	$125,685.94	($9,159.52)	0
November	57.00%	$154,465.25	52.88%	$143,300.40	$11,164.86	0.0	43.00%	$116,526.42	47.12%	$127,691.27	($11,164.86)	0
December	57.00%	$154,465.25	56.30%	$152,568.31	$1,896.94	0.0	43.00%	$116,526.42	43.70%	$118,423.36	($1,896.94)	0
							0.00%					
Six Month Total Adj			54.55%		$39,781.58				45.45%		($39,781.58)	0
Average to date			56.11%						43.89%			0
Adjustments to date					($11,679.74)						$11,679.74	0
Average / Adjustments year end			56.11%		($11,679.74)				43.89%		$11,679.74	0

All data in large font are 2013 data, *Data shown in smaller, italicized font are 2012 data* used for estimation/illustration purposes only.

Lewiston 2013

Auburn 2013
We budgeted 45.5% for 2014

Preliminary projected surplus

(207) 784-6469

FAX (207) 784-6460

AUBURN WATER DISTRICT

MEMBER MAINE WATER UTILITIES ASSOCIATION

268 COURT ST. - P.O. BOX 414

AUBURN, MAINE 04212-0414

City of Auburn 1/2/2014
Attn: Dan Goyette P.E., City Engineer
60 Court St.
Auburn, Maine 04210

Re: Partnership with City – CSO Remediation Efforts

Dear Dan,
I am writing this letter to you as a follow-up to the meeting we had on December 17, 2013 at the City Building with your staff and Woodard and Curran, who the City has hired to assist with MS4 compliance.

As you know, the City of Auburn and the Auburn Sewerage District (ASD) have a long history of partnering on projects to eliminate combined sewer overflow (CSO) discharges within the City of Auburn. Over the past 15 years, we have shared the expenditure of nearly $19 million dollars. Our combined efforts have resulted in the installation of nearly 33 miles of new storm drain, and the reduction of CSO regulators from 11 to 2. The 2 remaining CSO's are located at Miller St, and Riverside Drive.

Dave Breau, who is our compliance officer with the Maine DEP has requested a Work Plan from us by January 1, 2015 that outlines what we plan to do over the 5-year period of 2015 thru the end of 2019 (see attached letter from Dave Breau).

Mr. Breau wants to hear what projects will be undertaken to eliminate inflow and infiltration (I/I) such that the Miller St. CSO is sealed ASAP and Riverside Drive is held to perhaps a 1-year storm event. He is content to have us individually submit a "work plan" instead of partnering on a more detailed 5-year Master Plan Update in conjunction with Lewiston and the Lewiston Auburn Water Pollution Control Authority (LAWPCA).

Through our combined efforts, most of the direct sources of storm water have been eliminated from the sanitary collection system; however, there are still various I/I sources such as cracked pipes, roof drain connections, sump pumps, as well as miscellaneous catch basins that were not identified in prior studies.

In 2012, the ASD hired Weston & Sampson Engineers to identify inflow sources through a smoke testing program. The results of their work indicated it would cost approximately 2.6 million dollars to rehabilitate the remaining inflow defects across the sanitary sewer network (see Weston and Sampson Report).

Using their figures for planning purposes, ASD has budgeted and appropriated $250,000 for 2014 to begin remediation efforts (see attached ASD Capital Projects Summary). These efforts will include smoke testing the remainder of the sanitary sewer collection system, eliminating direct catch basin connections, working with homeowners to disconnect roof drains and sump pumps, and other priorities.

As you can see, this funding level is only half of what will be required for us to meet the mandate of the Clean Water Act Master Plan by 2019.

The ASD is requesting that the City of Auburn continue to be a partner in this effort, and be able and willing to assist in funding future projects as they develop.

If you have any questions concerning this request, please contact me.

Sincerely,

Sid Hazelton, P.E.
District Engineer

Auburn Water & Sewerage Districts

Memo

To: Sewer District Trustees

From: Sid Hazelton, P.E., District Engineer

CC: John Storer, General Manager

Date: 11/19/2013

Re: Executive Summary – I/I Remediation Efforts

Auburn has approximately 110 miles of sanitary sewer. In the summer of 2012, Weston & Sampson performed smoke testing on 40 miles of pipe, focusing primarily on the downtown and Rt. 4 corridor. They found and catalogued 170 "defects" that included direct and indirect inflow sources.

Based upon the data they collected and projecting it over the entire collection system, they estimated it would cost approximately $2.6 million dollars to identify and remove all sources of inflow from the sanitary sewer system (see attached program summary).

Dave Breau, who is our DEP CSO Coordinator, is requesting that we provide an updated CSO Master Plan by June 30, 2015 that addresses the period from 2015 to 2019. The goal of the plan will be to eliminate CSO #005 (Festival Plaza). By Jan. 1, 2015 he is requesting a scope of work that will be included in the plan (see attached).

The 2014 budget request includes $75,000 for additional smoke testing and evaluation, and $250,000 for the rehabilitation of defects that were identified in the first phase of the investigation.

SMOKE TESTING

Procedure:
Smoke testing consists of pumping a white, non-toxic smoke into the sanitary sewer collection system and observing the surrounding area for smoke escaping from the ground or from drainage structures. The appearance of smoke indicates either a direct or indirect connection through which surface runoff may enter the sanitary sewer system. Direct sources include catch basins, driveway drains, patio drains, stairwell drains, yard drains, or roof leaders which are directly connected to the sewer system. Indirect sources include cracked pipes or offset joints in adjacent sanitary sewer and drain pipes that create an indirect connection between the drain and sanitary sewer systems.

Preparation:
In preparation for the smoke testing, the Auburn Sewerage District (ASD) made extensive efforts for providing notice to the localized areas in which the smoke testing would be located and education of the general public. ASD distributed pre-testing notices including the date of the testing, information about the smoke candles to be used, and the number for a voicemail extension set up to allow for members of the community to call with questions and concerns. These notices were distributed to residents on the streets that would be tested, and upon completion of the testing the same residents would receive a post-test notice to inform them that the testing had been completed in the area. In addition to the noticing, ASD coordinated a press release in the local Sun Journal and added pertinent testing information to the website as additional places the public could be made aware of the smoke testing effort. Furthermore, a meeting was held at the ASD building prior to the start of testing to coordinate with the Auburn City Council, Fire Department and Police Department.

Summary of Results:
Smoke testing was performed in three (3) phases by Weston & Sampson on 214,487 linear feet (lf) of sanitary sewer between July 17th and August 9th, 2012. Phase A included 31,348 lf of pipe north of the Bradman Street pump station, 33,138 lf within the downtown area and 16,794 lf within the NEW Auburn area. Phase B included 47,531 lf within the downtown area and 28,986 lf within the New Auburn area. Phase C consisted of 56,690 lf of pipe between the New Auburn Phase A and B areas and the downtown Phase A and B areas. These areas can be seen on the attached Smoke Testing Area locus map.

One hundred and seventy (170) defects were identified through smoke testing. Fifty-seven (57) defects are suspected to be directly connected to the sewer. In addition to the 170 confirmed defects, twenty six (26) suspect defects were located including roof leaders into the ground and area drains that did not have visible smoke emanating from them during the test. Using the Rational Method to determine direct inflow, the 170 defects are estimated to contribute as much as 4.28 million gallons per day (MGD) of inflow that may be removed during rehabilitation. A table summarizing the location of the defects and linear footage of each phase area is shown below.

Auburn Sewerage District
District Wide I/I Analysis
SMOKE TESTING SUMMARY

Phase	Location	Defects Identified	Length (ft.)
Phase A			
	Bradman Street Area	10	31,348
	Downtown	33	33,138
	New Auburn	13	16,794
Phase B			
	Downtown	48	47,531
	New Auburn	22	28,986
Phase C			
	Downtown	44	56,690
Total		**170**	**214,487**

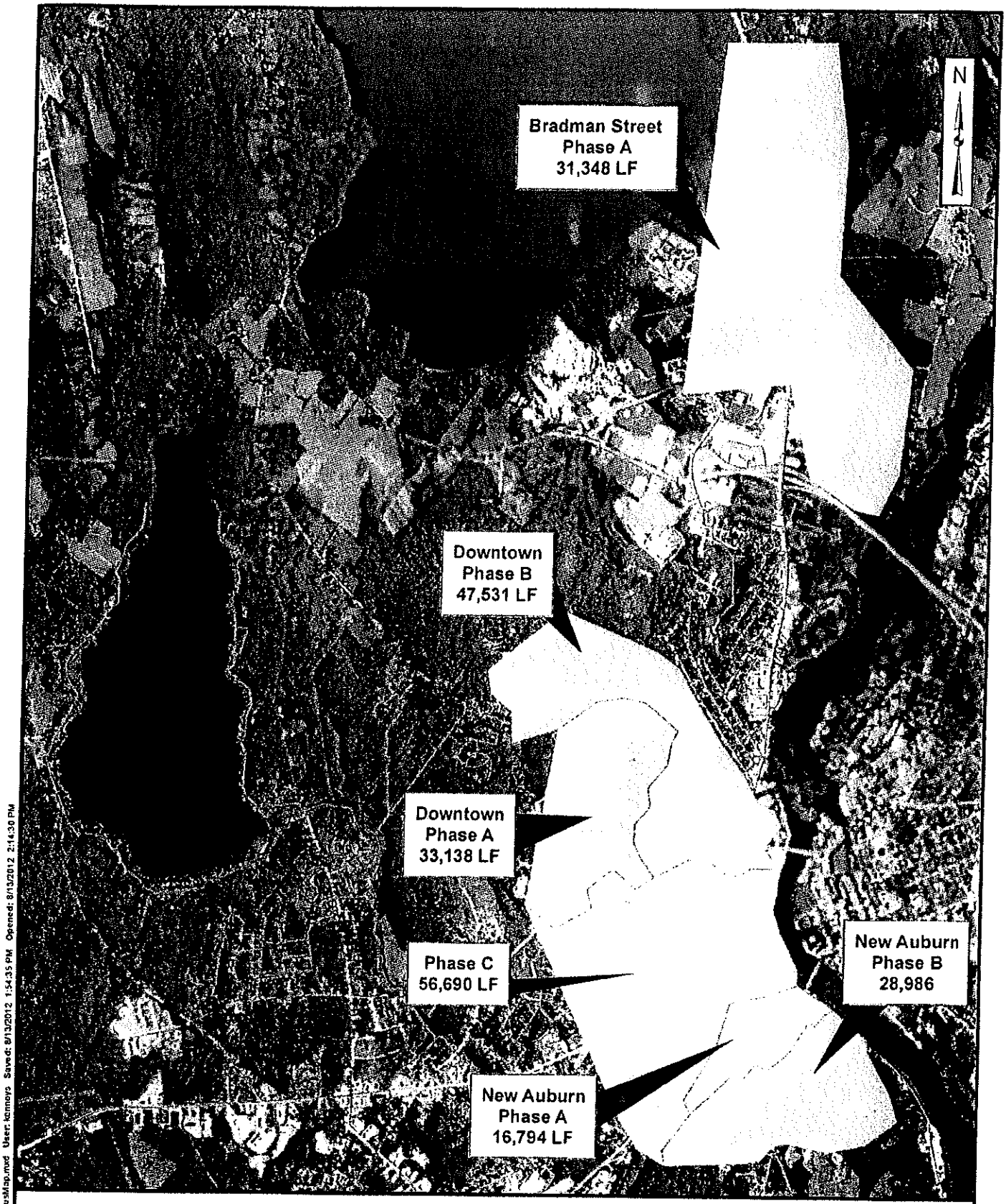


FIGURE 1
AUBURN SEWERAGE DISTRICT

SMOKE TESTING AREA

0 3,000 6,000
Feet

Weston&Sampson.

Path: P:\Auburn WSD\GIS\GIS MAPS\Locus\Map.mxd User: kcmoys Saved: 8/13/2012 1:54:35 PM Opened: 8/13/2012 2:14:30 PM

Appendix E: District Wide I/I Analysis
Project Rehabilitation Costs

	Unit Cost	Quantity	Total Cost
Effort to Finalize Rehab*			$ 75,000
District Wide I/I Analysis Rehabilitations			
42 Drains			
30 short connections (1 day/each)	$ 5,000	30	$ 150,000
12 medium connections (3 days/each)	$ 5,000	36	$ 180,000
26 Suspect Drains			
19 not connected	$ -		$ -
7 connected (1 day)	$ 5,000	7	$ 35,000
Flat Roofs			
15 Disconnects	$ 1,000	15	$ 15,000
73 Indirect Sources			
30 CIPP Liners (250')	$ 45	7,500	$ 337,500
20 Mh Rehabilitations (10' deep)	$ 125	200	$ 25,000
23 Service Replacement	$ 5,000	23	$ 115,000
Infiltration Rehabilitations^			
49 invert/interior sealing, grouting	$ 130	492	$ 64,000
Manhole Inflow Rehabilitations			
90 Inflow Dishes	$ 488	90	$ 43,875
30 Bolted and Gasketed Frame and Cover	$ 488	30	$ 14,625
Structural Manhole Rehabilitations			
Install New Frame and Cover	$ 1,000	14	$ 14,000
Chimney repair	$ 200	1	$ 200
		Rehabilitation Total =	$ 994,200
Contigency (10% of Rehabilitation total)		=	$ 99,400
Design, Bid and Award (9% of Rehab total)		=	$ 89,500
Construction Services (11% of Rehab total)		=	$ 109,400
		Total	**$ 1,367,500**

*ASD and Enginnering effort associated with dye flooding, dye testing and flat roof inspection
Short Connection - less than 25 feet to redirect CB from Sewer to Drain
Medium Connection - 100 feet to redirect CB from Sewer to Drain
^The unit cost for manhole infiltration rehabilitations is per vertical foot

Appendix E: City-wide Inflow Sources
Project Rehabilitation Costs

	Unit Cost	Quantity	Total Cost
Invesitgative Efforts to Locate Defects*			$ 225,000
Future City-Wide Rehabilitations			
74 Drains			
53 short connections (1 day/each)	$ 5,000	53	$ 265,000
21 medium connections (3 days/each)	$ 5,000	63	$ 315,000
46 Suspect Drains			
35 not connected	$ -		$ -
11 connected (1 day)	$ 5,000	11	$ 55,000
Flat Roofs	N/A		
128 Indirect Sources			
53 CIPP Liners (250')	$ 45	13,250	$ 596,250
35 Mh Rehabilitations (10' deep)	$ 125	350	$ 43,750
40 Service Replacement	$ 5,000	40	$ 200,000
Manhole Infiltration Rehabilitations^			
167 invert/interior sealing, grouting	$ 130	1,330	$ 172,900
Manhole Inflow Rehabilitations			
305 Inflow Dishes	$ 488	305	$ 148,680
102 Bolted and Gasketed Frame and Cover	$ 488	102	$ 49,725
Structural Manhole Rehabilitations			
Install New Frame and Cover	$ 1,000	50	$ 50,000
		Rehabilitation Total =	$ 1,896,305
Contingency (10% of Rehab total)		=	$ 189,630
Design, Bid and Award (9% of Rehab total)		=	$ 170,670
Construction Services (11% of Rehab total)		=	$ 208,595
		Total	**$ 2,690,200**

*Includes associated costs for smoke testing the remaining sewers and dye testing/flooding of the identified defects. Associated costs of performing manhole inspections are not included in this estimate and are bourne by the District.

Short Connection - less than 25 feet to redirect CB from Sewer to Drain

Medium Connection - 100 feet to redirect CB from Sewer to Drain

^Unit cost for Infiltration Rehabilitation is per vertical foot

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

June 20, 2013

John Storer, P.E., Superintendent
Auburn Sewerage District
PO Box 414
Auburn, Maine 04210

Richard Burnham, P.E., Superintendent of Water & Sewer
City of Lewiston, Public Works
103 Adams Avenue
Lewiston, Maine 04243-7250

Clayton Richardson, P.E. Superintendent
Lewiston Auburn Water Pollution Control Authority
PO Box 1928
Lewiston, Maine 04241-1928

Subject: Clean Water Act Master Plan Ten Year Update – Approval

Dear Sirs:

I have finished reviewing the following document prepared by your consultant Camp Dresser & McKee Inc. (CDM). The document is entitled 'Clean Water Act Master Plan Ten Year Update' – Final Report and dated June 2010. The report was submitted on behalf of the Auburn Sewerage District, the City of Lewiston and the Lewiston-Auburn Water Pollution Control Authority and addresses the second five year period (2010 – 2014) of the CSO Master Plan update period.

I found the document to be well written, informative and it provided much information about what has been accomplished over the past five years and what is expected as we progress through the current five year period. I apologize for the delay in my response, but the submittal came just as CSO personnel changes were being made and it got buried on my desk. I am grateful that all parties have continued with construction projects and progress towards meeting your abatement goals prior to receiving formal approval.

By way of this letter I am approving the Clean Water Act Master Plan Ten Year Update for Lewiston, Auburn, and the Lewiston Auburn Water Pollution Control Authority. By way of reference, the abatement schedules contained in the CWAMP 10-Year Update

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769-2094
(207) 764-0477 FAX: (207)760-3143

web site: www.maine.gov/dep

become enforceable under your respective wastewater discharge licenses. In addition these schedules will be incorporated into our CSO Progress Tracking Database to track compliance.

At this time, the City of Lewiston and the Auburn Sewerage District have milestones in their licenses that require the submittal of an updated CSO Master Plan by June 30, 2015. That update will address the third five year period from 2015 to 2019. A similar milestone will be added to LAWPCA's license during their current renewal process.

On or before January 1, 2015, as part of the next phase of the Master Plan update process, please forward to me a Scope of Work outlining the level of effort that will be undertaken for the Master Plan update for review and approval once an Engineering firm has been selected.

I have enjoyed working with you all and look forward to continuing to work with you on these worthwhile projects. I appreciate the group's professional and honest approach to abating the CSOs for the area and your genuine concern for the environment and the constituents you serve.

Sincerely,

David P. Breau, P.E.
CSO Coordinator
Division of Water Quality Management
Bureau of Land and Water Quality

Cc: Dave Jones, P.E., City of Lewiston
Jeff D. Beaule, City of Lewiston
Daniel Bisson, P.E. CDM

AUBURN WATER DISTRICT
AUBURN SEWERAGE DISTRICT
2014 Project Capital Improvement Projects (not budgeted in regular O&M)

Capital Projects Summary

	BUDGET COST	Priority BUDGET COST	Future BUDGET COST	Notes
MAINS & INFRASTRUCTURE				
S. Main - Cook back to Bolster	$216,000	$216,000	$0	*City Repaving, All New, 1800 feet*
Hotel Road - Minot back to Steevens Mill Rd	$240,000	$240,000	$0	*City Repaving, All New, 2400 feet*
Littlefield Bridge Removal	$26,500	$26,500	$0	*$53,000 Total, Split 50/50 with ASD*
Poland Road - Hammond Lumber towards Manley	$350,000	$0	$350,000	*Poor Condition - Needs Replacement*
Valview	$200,000	$0	$200,000	*Poor Condition - Needs Replacement*
Silva	$75,000	$0	$75,000	*Deteriorated Galvanized Line*
Sub-Total =	**$1,107,500**	**$482,500**	**$625,000**	
LAKE STUDY & REMEDIATION				
Temp Labor/Assistance	$6,250	$6,250	$0	1 Intern - Field Technician
Bates College - Data Buoy & Research	$16,500	$16,500	$0	Realtime Data Buoy, Gloeotrichia Research
VLMP	$6,000	$6,000	$0	Baseline Monitoring in Watershed
Dr. Ken Wagner	$5,000	$5,000	$0	Ongoing Algae Consultation
Lake Testing	$30,000	$30,000	$0	Outsourced phosphorus, chloraphyll, nitrates
Lake Treatment	$1,000,000	$1,000,000	$0	Nutrient binder or phosphorus stripping
Sub-Total =	**$1,063,750**	**$1,063,750**	**$0**	
Groundwater Exploration *	$100,000	$100,000	$0	Alternate - dependent on Lake treatment
WATER TOTALS:	**$2,271,250**	**$1,646,250**	**$625,000**	

	BUDGET COST	Priority BUDGET COST	Future BUDGET COST	Notes
I&I Remediation Projects & CSO Work	$2,600,000	$250,000	$2,350,000	*5yr CSO Plan Updated. Begin Implementations*
I&I Additional Investigation	$75,000	$75,000	$0	*Additional smoke-testing and evaluation*
Clean Interceptor	$10,000	$10,000	$0	*Remove debris from 36-inch Interceptor - In-House*
Sewer Liner - Academy Street	$54,000	$54,000	$0	*Re-Line: 1250 feet of 10-12" sewer main*
Sewer Liner - James Street	$47,000	$47,000	$0	*Re-Line: 1050 feet of 12" sewer main*
Sewer Liner - Newbury Street	$30,000	$30,000	$0	*Re-Line: 720 feet of 10-12" sewer main*
Sewer Liner - 3rd Street	$20,000	$20,000	$0	*Re-Line: 415 feet of 8" sewer main*
Sewer Liner - Western View	$15,000	$0	$15,000	*Re-Line: 300 feet of 8" sewer main*
Replace Sewer Main - 5th Street	$45,000	$45,000	$0	*Replace: 400 feet of 12" sewer main*
Sewer Liner - S Main (Roy to Ipswich)	$180,000	$0	$180,000	*Re-Line: 4000 feet of 12" sewer main - Future Project*
E5 & E6 Stations	$30,000	$30,000	$0	*Valve Pits*
Rehab Taylor Pond West Side Stations	$25,000	$25,000	$0	*New pumps W-3, New electrical & controls W-6*
E-2 Station Upgrade	$45,000	$45,000	$0	*New pumps & electrical service and VFD's*
Littlefield Bridge Removal	$26,500	$26,500	$0	*$53,000 total, split 50/50 with water*
TOTAL:	**$3,202,500**	**$657,500**	**$2,545,000**	