

Lakes Region Household Hazardous Product Facility 2015 Annual Report

1. Facility Summary

- a.** The Lakes Region Household Hazardous Product Facility (LRHHPF) is a permanent facility providing disposal of household hazardous waste (HHW) such as oil base paint, pesticides, toxic cleaners and solvents. The facility was conceived as a joint venture between the Lakes Region Planning Commission, the New Hampshire Department of Environmental Services and the original member Towns of Alton and Wolfeboro (Tuftonboro is now a member). For detailed information on what the facility does and does not accept, see the attached brochure. The facility is open every third Saturday 8:30 AM – 12:00 PM, May through October at the Wolfeboro Facility.
- b.** During 2015, the 13th year of the Inter-municipal Agreement, member towns consist of Alton, new member Tuftonboro, and Wolfeboro, NH with Wolfeboro being the host municipality. Operation of the facility is governed by an Inter-Municipal Agreement that spells out the method of cost sharing, officers, etc. The agreement also has provisions for other towns becoming members. The members during 2015 were: Loring Carr, Chair/Treasurer/Alton BOS Vice-Chair/member rep; Russ Bailey, Alton Town Admin/alternate rep; and Sarah Silk Vice-Chair/Secretary/member rep; and Clay Gallagher, Tuftonboro Transfer Station/member rep.
- c.** Paid (part-time) employees are: Sarah Silk, site coordinator and Paulette Wentworth (Town of Alton Finance Officer) as the facility finance manager. Licensed Pharmacists from Care Pharmacy and 2 Rite Aid Pharmacies provided Pharmacist duties for the June, August, and September special medicine collections. In addition, Janice Andrea, Amy Capone-Muccio, and Jeff Urquhart administer surveys and perform data entry for medicine collections on an alternating basis. These personnel perform their duties at the permanent and satellite sites for consistent recording of essential cost allocation data.
- d.** In 2006, Northeast Recycling Council (NERC) and LRHHPF implemented New Hampshire's first ever waste collection of unwanted prescription drugs held during an HHW event. Two medical waste collections were held at the facility in 2007. Since 2008, two medicine collections are held at the permanent Facility and one at the satellite collection in Alton. With the announcement in early 2015 that the DEA will no longer sponsor collections the last Saturdays of April and September, the local collections have risen in importance. Tuftonboro and Wolfeboro have a history of participation in the DEA drug drop offs. DEA has since reinstated the program due to the heroin epidemic.
- e.** LRHHPF is continues to arrange direct-pay disposal between the waste hauler and small quantity generators with prior notice. The Facility assists NH Dept of Agriculture and DES with compliance by providing appropriate disposal while avoiding substantial mobilization costs to the individual or business. A successful pesticide disposal, primarily for farmers, for the Pesticide Control Div of the NH Dept of Agriculture, Div. of Markets and Foods was held June 12, 2010. The first

such collection conducted by the state of NH in twenty years. An EPA grant enabled the farmers to attend at no cost. The contracted fee structure between LRHHPF and Clean Harbors was utilized. Personnel costs plus disposal fees were reimbursed to LRHHPF for a total of \$19,676.68 as the program was outside the regular LRHHPF budget.

2. Summary of Operations

a. Usage Data

Overall attendance was consistent in 2013. Alton participation diminished slightly, and Tuftonboro attendance increased. The numbers below reflect households for HHW only (medicine collections not on this chart).

Member Towns	2009	2010	2011	2012	2013	2014	2015
Alton	244	166	130	238	174	160	206
Tuftonboro					41-16 pd	35	57
Wolfeboro	332	362	313	333	370	447	357
Non-Member Towns							
Andover			3				
Barrington					11		1
Belmont			2		8		3
Boscowan							1
Bow		1					
Bristol					8		
Brookfield							1
Canterbury	2		1	1		1	
Center Harbor			15			1	1
Chester			4				
Chichester					1		
Concord					6		
Contoocook	1	2					
Derry			5	10	9	14	6

Dover					1		
Durham						14	10
Effingham				9			
Farmington	3						
Franconia	1						
Franklin			1	2			
Freedom		1					1
Gilford		1		2	1		
Gilmanton	2	2	1				
Laconia	33	2	1	39		8	4
Lee					7	5	6
Madbury					1		
Madison					3		
Meredith			1				1
Moultonborough	3	3	18	2	7	2	19
New Durham							1
North Hampton			1				
Northwood	1						
Nottingham		1					
Ossipee	2	7		1			2
Plymouth			1	1			
Portsmouth			2				
Rochester			1			1	
Rollingsford							1
Sanbornton							1
Sandwich	2	2	1	4	5	5	12
South Sutton							2
Stratham							6

Tamworth					1		1
Tuftonboro	41	19	19	25			
Warren							3
Total	668	569	520	667	654	693	705

Table 1. Attendance by Households

- b. Procedures for Use by Member and Non-Member Towns Residents of member towns of Alton, Tuftonboro, and Wolfeboro first pick up a pass at their respective solid waste facility and then transport up to 10 gallons o/f hazardous products per pass to the permanent collection facility in Wolfeboro on one of the six monthly collection dates the third Saturday of the month May thru October. The June and August collections include the special pharmaceutical collections which have separate tallies and surveys. (All member towns are allowed more than one visit of 10 gallons such that all members receive the same services).

Residents of Alton may also transport HHW products to the Alton Solid Waste Center on the two scheduled satellite collection days held the second Saturday in the months of July and September. September is the Alton medicine collection. HHW products are self-transported to the permanent facility for consolidation by the waste hauler. Non-controlled pharmaceuticals are self-transported immediately to the locked LRHHPF facility. Police Officers take custody of all controlled medications.

Residents of any non-member town may use the Wolfeboro facility on a "pay at the gate" fee basis of \$40 for each 0-5 gallon increment (scanning the cans, not measuring the ounces within them), example \$80 for 10 gallons. For pharmaceutical waste a fee of \$25 per non-member household has been charged since 2009 to cover the costs specific to that program.

Please see the attached brochure for more information on how households in your community can utilize the facility.

- c. Medicine collections
Perhaps because of the raised awareness of prescription drug misuse and the heroin epidemic, or because the DEA take-back program was cancelled in April 2015, the June medicine collection was highly attended with more than a 50% increase for the year.

In addition to the threat to communities via inappropriate ingestion or diversion, groundwater supplies are contaminated by flushing as a disposal means and solid waste facility workers are at risk of exposure when pharmaceuticals are disposed of as trash.

Some medicines are classified as hazardous waste in both state and federal regulations. Increased inappropriate use of pharmaceuticals has led to a substantial rise in drug deaths caused by prescription medications rather than the stereotypical street drugs. Because of the severity of the problem nation-wide, public service announcements regularly appear on major television networks increasing public awareness of the danger of prescription drugs, but giving little direction in proper disposal options. A major symposium on drugs in Portland, ME urged a multi-faceted approach of fewer pills per prescription, better tracking to prevent multiple doctor shopping, changes in federal laws to facilitate disposal, and increasing the methods for disposal. DEA one-day take back programs (held the end of April and September) appear to get little publicity and not all towns participate. In 2012, DEA presented a draft document regarding medicine take-back programs that has yet to be finalized. If the document provisions are adopted, DEA may discontinue the twice annual collections.

The Lakes Region Household Hazardous Product Facility offers the longest running program in NH for pharmaceutical disposal using NERC best management practice protocols with a pharmacist, two police officers (a second officer added in 2012 to comply with proposed changes by NH Attorney General's Office), and a registered hazardous waste hauler present to comply with new state and federal regulations. Controlled medications come under the custody of the officers. All prescription items are disposed of in their original containers after positive identification by a pharmacist, and a count. Non-controlled items primarily go as a pesticide solid with the waste hauler (some as a liquid or an aerosol). The program started in 2006.

In 2012, a new brochure was made available via the web for disposal of sharps, lancets, pen needles, syringes and other devices for the injection of drugs, from the collaboration of stakeholders/members of the NH Legislative Sharps Study Committee. Four sharps disposal drop boxes were donated in 2012 by Waste Management for the State House and Legislative Office Building first floor restrooms with attendant signage on all floors.

Since 2006, those attending the medicine collections continue to bring an average of 1 gal/HH of: controlled and non-controlled prescription medications; pet medications; herbals; vitamins; over-the-counter remedies; lotions; drops; salves; sprays; etc. Of the 151 HH in 2015, Alton had 22, Tuftonboro had 15, and Wolfeboro had 109. Non-member towns of Albany had 4, and Moultonborough had 1. The total of 184 gallons (102 in 2014) were comprised of 12 controlled, 87 non-controlled prescription, and 85 over-the-counter or personal care products.

d. Alton Satellite Collections

A few years ago, a change in state law exempted towns from strict liability in the unlikely event of an accident while transporting HHW products in a town vehicle with a town employee. The possibility of a costly hazardous waste cleanup often dissuaded a community from utilizing the self-transport option for HHW collections. This exemption has fostered a higher level of comfort for local officials enabling LRHHPF to conduct satellite collections in Alton. The concept is that an area town could conduct a one day collection within their town and then transport product to a permanent facility. This would allow NH towns to offer collections locally and more than once per year. This concept would require DES HHW Solid Waste Operator Training of town personnel operating the town-owned vehicle.

Alton's participation rate rose from 27% to as high as 52% the first year. The dramatic increase can be solely attributed to the added convenience of disposing of their HHW and unwanted medicines at the same time and place as a solid waste trip with no additional travel distance or time. Participation for 2012 rose from 28.7% in 2011 to 40% of the total medications and hazardous waste collected overall.

e. Facility Improvements

The member towns continue to set aside funds each year for the future construction of a cover over the work area for protection of personnel on collection days. Collection days with heavy rain make the essential data collection process very difficult and render consolidation of HHW products subject to potential site contamination. A dry environment is essential when collecting and identifying pharmaceuticals.

In 2014, the dry chemical tank needed replacement because of rusting to meet fire regulations and the issue of peeling paint continues. The paint problem commenced immediately after delivery and several types of paint and paint prep methods have been used to no avail. The exterior walls were spot sanded and painted. Roof treatment was completed to 2015.

3. Financial Data

- a. In 2003 the LRHHPF finances were managed by the Town of Wolfeboro. Beginning in 2004, the Town of Alton took over the financial accounting for the facility with the Town's finance officer acting as LRHHPF finance manager. A special revenue account, under the control of the Alton Town Treasurer, was established for the facility. This successful working relationship remains in place. A summary of the financial data is shown in table 2.

REVENUES:	2009	2010	2011	2012	2013	2014	2015
Carryover adjustment from prior year	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$-25.27	\$0.00
Contributions from Alton		\$15,501.00	\$14666.26				

	\$18,271.27			\$17,000.00	\$17,000.00	\$8,000.00	\$15,536.40
Contributions from Wolfeboro	\$23,245.51	\$22,633.00	\$31334.00	\$26,609.00	\$23,494.90	\$36,755.00	\$39,612.30
Contributions from Tuftonboro	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000	\$2,500.00	\$4,000.00
Contributions from State of NH	\$2,972.00	\$0.00	\$0.00	\$0.00	\$5,568.00	\$5,717.49	\$0.00
Receipts from Non-member Participants	\$5,094.32	\$3,370.00	\$5,750.04	\$4,927.87	\$5,299.29	\$4,072.50	\$6,092.01
Cost of Pesticide Collection	\$0.00	\$19,676.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Interest from Bank	\$188.91	\$149.52	\$120.87	\$108.27	\$134.50	\$136.67	\$161.95
Totals	\$49,772.01	\$61,330.21	\$51,871.17	\$48,645.14	\$55,496.69	\$57,156.39	\$63,866.26
Overpayments as of end of year:							
Alton Overpayment	\$866.55	\$-759.68	\$1273.15	\$707.13	\$5391.33	\$2,909.61	\$0.00
Tuftonboro Overpayment					\$1029.57	\$1,459.34	\$271.12
Wolfeboro Overpayment	\$1,179.14	-\$1690.18	\$3162.92	\$3,767.90	\$-877.63	\$3,294.19	\$9,393.84
Totals	\$2,045.69	\$-2449.86	\$4,436.07	\$4,475.03	\$5,543.27	\$7663.14	\$9,664.96
EXPENSES:							
Wages	\$7,462.87	\$8,491.01	\$7001.69	\$6,934.60	\$8,337.78	\$7392.10	\$8,887.29
Fica & Medicare	\$570.90	\$649.51	\$526.42	\$530.51	\$637.89	\$565.56	\$679.94
Meetings	\$456.98	\$360.88	\$291.49	\$195.00	\$187.00	\$25.00	\$195.00
Dues/Fees	\$250.00	\$250.00	\$250.00	\$250.00	\$250.00	\$250.00	\$300.00
Mileage	\$968.90	\$1,478.90	\$1080.09	\$841.13	\$968.16	\$746.68	\$1,131.61
Office Supplies		\$185.07	\$161.85	\$189.36	\$137.76	\$326.16	\$127.98
Reference Mat.	\$135.55	\$0.00	\$0.00	\$0.00	\$25.90	\$0.00	\$6.48

General Supplies	\$101.10	\$23.05	78.44	\$17.67	\$17.91	\$94.73	\$249.30
Legal Fees	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Telephone	\$1,167.20	\$1,028.11	\$1,110.39	\$1075.54	\$1,083.28	\$928.29	\$1,024.04

Outside Services	\$29,973.54	\$30,750.78	\$49,890.43	\$29,021.91	\$34,029.80	\$39,216.06	\$44,254.85
Professional Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
New Equipment	\$0.00	\$0.00	\$0.00	\$608.13	\$0.00	\$0.00	\$0.00
New Equipment funds reserved for cover	\$1,765.58	\$2,416.24	\$2,644.93	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000
Equipment Maintenance	\$312.77	\$2811.75	19.95	\$480.00	\$0.00	\$0.00	\$481.28
Unemployment	\$24.11	\$33.57	\$66.41	\$45.11	\$43.11	\$47.30	\$86.00
Workers Comp.	\$392.68	\$453.73	\$448.45	\$345.04	\$410.69	\$334.70	\$791.00
Electricity	\$80.03	\$113.89	\$76.31	\$80.38	\$80.79	\$74.56	\$90.77
Encumbered Bldg. Expense						\$1,060.65	\$939.35
Totals	\$44,173.00	\$47,726.32	\$65,825.68	\$44,985.32	\$48,606.18	\$55,061.79	\$59,244.89

Table 2. Financial Summary

Non-member households from other towns and referrals to the Facility by NH DES pay in cash or check. HH are charged \$40 per 0-5 gal increment. Large referral disposals are charged full cost by the Facility (disposal plus recovery fee) so that there is no impact to the member communities or the annual budget. The total collected for 2015 was \$6,092.01.

b. Net Cost to Member Towns

Net operating costs are the expenses after all outside revenues have been subtracted from gross expenses. The expenses are then prorated to the member towns based on each town's household visit data. The 2015 net costs are shown in Table 3.

2015 net cost	
Total Operating Expenses	\$59,244.89
Equipment funds reserved	\$4,000.00
Total Facility expense	\$63,244.89
Alton Payments YTD	\$15,536.40

2014 Carryover for Alton	\$2,909.61
Tuftonboro Payments YTD	\$4,000
2014 Carryover for Tuftonboro	\$1,459.34
Wolfeboro Payments YTD	\$39,612.30
2014 Carryover for Wolfeboro	\$3,294.19
Contributions from Grant for Alton	Not yet received
Contributions from Grant for Tuftonboro	Not yet received
Contributions from Grant for Wolfeboro	Not yet received
Interest for 2015	\$161.95
Outside Income	<u>\$6,092.01</u>
Total Income	\$71,529.40
Net Member Expenditures	\$57,152.88
2015 Use Data	
Alton Households HHW	206
Alton Medications	22
Tuftonboro Households HHW	72
Tuftonboro Households Meds	15
Wolfeboro Households HHW	357
Wolfeboro Medications	<u>109</u>
Total Member Town Households	781
Alton % use	32
Tuftonboro % use	9
Wolfeboro % use	59
Alton Vehicle Fee-184 vehicles @0.75	\$159.00
Tuftonboro Vehicle Fee-37 vehicles @.75	\$45.00
Total Alton Cost including vehicle fee charge	\$18,446.01
Alton overpayment to be carried over including interest.	\$0.00
Estimated payment for 2016 w/out carryover	\$17,741.00
Total Tuftonboro Cost including vehicle including vehicle fee charge	\$5,188.22
Tuftonboro overpayment to be carried over including interest	\$271.12
Estimated payment for 2016 w/out carryover	\$4,000.00
Total Wolfeboro Cost including vehicle fee credit	\$33,512.65
Wolfeboro to be carried over including interest.	\$9,393.84
Estimated payment for 2016 w/out carryover	\$41,395.00

Table 3. Net Member Town Costs

4. 2016 Projections

a. Wolfeboro Schedule 2016 – open to all Towns

The facility will be open 8:30 AM to 12:00 PM on the following six, 3rd Saturdays with medicine collections on two dates:

May 31	Household Hazardous Waste
June 18	Household Hazardous and Medical Waste
July 15	Household Hazardous Waste
August 20	Household Hazardous and Medical Waste
September 17	Household Hazardous Waste
October 15	Household Hazardous Waste

b. Alton satellite collections – Alton residents only

Collections will be at the Alton Solid Waste Facility from 8:30 AM to 12:00 PM on the following two, 2nd Saturdays with medicine collection on one date:

July 9	Household Hazardous Waste
September 10	Household Hazardous and Medical Waste

c. Fees for non-member town households

Non-member HHW fees continue to remain unchanged from 2002 at \$40 for each 0-5 gallon increment scanning the cans (\$80 for 10 gallons). Fees for medicine collections will be \$25 per household to cover actual cost per household. (The towns of Moultonborough, and Sandwich have continued reimbursement for the first \$40/year.

The Facility recovery fee will be set at 9% thru 2017. Setup and disposal fees thru 2017 have been negotiated with the waste hauler at 3% increase per year.

It is increasingly important to educate the public to the availability of less hazardous alternative products to prevent increases in Facility disposal costs as the unit prices rise over time. Such education is a required component of NHDES Grant applications. (The amount of grant money per capita has been changing, lowering the amount to the Facility.) The Facility must generate alternative product pamphlets as cuts in funding for DES and UNH Extension Service publications have eliminated those resources used in the past.