



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

One Winter Street Boston, MA 02108 • 617-292-5500

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

2015 Vinyl Lined Asbestos Cement (VLAC) Pipe Survey

As of January 2015, Massachusetts Department of Environmental Protection (MassDEP) Drinking Water Program records indicated that sixty six (66) public water systems had vinyl-lined asbestos concrete (VLAC) pipe in their distribution system. Every five years we survey public water suppliers in order to update our records on the amount of vinyl-lined asbestos cement (VLAC) pipe still in use in distribution systems in Massachusetts. The last survey was in 2009. On February 25, 2015 the MassDEP Drinking Water Program distributed a brief electronic survey to public water suppliers through survey monkey.

Of the 66 public water suppliers surveyed in 2015, we received 55 replies, a response rate of 83.3%. Of the 55 replies, there were three that were unsure of the quantity of VLAC pipe in their distribution system.

Comparing survey results over the years, in 1992, 580.2 miles of VLAC pipe were reported; in 2009, 496.15 miles were reported; and in 2015, 572 miles were reported. The increase in number of miles between 2009 and 2015 is due to the increase in the number of responses.

MassDEP will continue to conduct outreach to public water suppliers about VLAC pipe. VLAC pipe information is posted on MassDEP's web site at <http://www.mass.gov/eea/agencies/massdep/water/drinking/water-systems-ops.html#20>. The next VLAC survey will be conducted in 2020.

| PWSID | TOWN_NAME | PWS NAME | WATER SUPPLY | MILES OF PIPE 1992 | MILES OF PIPE 2009 | MILES OF PIPE 2015 |
|---------|-----------------|-----------------------------------|----------------------------|--------------------|--------------------|--------------------|
| 1061000 | CHICOPEE | CHICOPEE WATER DEPT. (MWRA) | Municipal Supply | 0.75 | 0.75 | |
| 1063003 | CLARKSBURG | BRIGGSVILLE WATER DIST. | Town Supply | 1.1 | 1 | 1.3 |
| 2025000 | BELLINGHAM | BELLINGHAM DPW WATER DIV. | Town Supply | Unknown | Unknown | 24.5 |
| 2084000 | EAST BROOKFIELD | EAST BROOKFIELD WATER DEPT. | Town Supply | 0.25 | 0.28 | 0.28 |
| 2134000 | HOLDEN | HOLDEN WATER DEPT. | Town Supply | 8 | 8 | 8 |
| 2136000 | HOLLISTON | HOLLISTON WATER DEPT. | Town Supply | 2 | Unknown | 59 |
| 2158000 | LITTLETON | LITTLETON WATER DEPT. | Town Supply | 1 | 0.25 | 0.9 |
| 2185000 | MILFORD | MILFORD WATER CO. | Milford Water Co. | 42 | 42 | 30 |
| 2208000 | NORFOLK | NORFOLK WATER DEPT | Town Supply | 9 | 2.27 | 19.67 |
| 2215000 | NORTHBOROUGH | NORTHBOROUGH WATER DEPT. | Town Supply | 7 | 6.35 | 6.35 |
| 2257000 | RUTLAND | RUTLAND WATER DEPT. | Town Supply | 1 | 0.41 | |
| 2271000 | SHREWSBURY | SHREWSBURY WATER DEPT. | Town Supply | 8 | 2.3 | 0.3 |
| 2277000 | SOUTHBOROUGH | SOUTHBOROUGH DPW WATER DIV. | Town Supply | 7 | 2 | |
| 2282000 | STERLING | STERLING WATER DEPT. | Town Supply | 15 | 5.8 | 5.3 |
| 2286001 | STOW | ASSABET WATER CO. | Town Supply | Unknown | Unknown | |
| 2332000 | WESTMINSTER | WESTMINSTER DEPT. OF PUBLIC WORKS | Town Supply | 3 | 0.4 | 0.4 |
| 3014000 | ASHLAND | ASHLAND WATER & SEWER DEPT. | Town Supply | 4 | 4 | |
| 3048000 | BURLINGTON | BURLINGTON WATER DEPT | Town Supply | 15.5 | 1.4 | 1.4 |
| 3079001 | DRACUT | KENWOOD WATER DIST. | Town Supply | Unknown | 4.5 | |
| 3092000 | ESSEX | ESSEX WATER DEPT. | Town Supply | 0.5 | 0.5 | 0.5 |
| 3119000 | HAMILTON | HAMILTON WATER DEPT. | Town Supply | 7.75 | 7.7 | |
| 3144000 | IPSWICH | IPSWICH DPU WATER DEPT. | Town Supply | 12.8 | 12.6 | 12.6 |
| 3157000 | LINCOLN | LINCOLN WATER DEPT. | Town Supply | Unknown | 1 | |
| 3254000 | ROWLEY | ROWLEY WATER DEPT. | Town Supply | 4 | 3.8 | 1.9 |
| 3259000 | SALISBURY | SALISBURY WATER DEPT. | Town Supply | 3 | 3.3 | 3.3 |
| 3330000 | WESTFORD | WESTFORD WATER DEPT. | Town Supply | 7 | 28.44 | 1 |
| 3344000 | WINCHESTER | WINCHESTER WATER DEPT. | Town Supply | 5 | 2.3 | 2.3 |
| 3347000 | WOBURN | WOBURN WATER DEPT. | Municipal Supply | 0.6 | 0.95 | 0.97 |
| 4003000 | ACUSHNET | ACUSHNET WATER DEPT. | Town Supply | 2 | 0.8 | 0 |
| 4020004 | BARNSTABLE | HYANNIS WATER SYSTEM | Barnstable Water Co. | 16 | 21.72 | 14 |
| 4036000 | POCASSET | BOURNE WATER DIST. | Bourne Water Dist. | 6 | 15 | 10 |
| 4036002 | BOURNE | NORTH SAGAMORE WATER DIST. | North Sagamore Water Dist. | 5 | 0.5 | 0.5 |
| 4041000 | BREWSTER | BREWSTER WATER DEPT. | Town Supply | 6 | 6.39 | 6.3 |

| | | | | | | |
|---------|------------------|------------------------------|----------------------------|--------------|---------------|--------------|
| 4042000 | BRIDGEWATER | BRIDGEWATER WATER DEPT. | Town Supply | 16 | 10 | 48 |
| 4055000 | CHATHAM | CHATHAM WATER DEPT. | Town Supply | 7.5 | 0 | 0 |
| 4072000 | NORTH DARTMOUTH | DARTMOUTH WATER DIV. | Town Supply | Unknown | 6.54 | |
| 4072000 | DARTMOUTH | DARTMOUTH WATER DIV. | Town Supply | 12 | Unknown | Unknown |
| 4082000 | DUXBURY | DUXBURY WATER DEPT. | Town Supply | 15 | 3.2 | 2.5 |
| 4083000 | EAST BRIDGEWATER | EAST BRIDGEWATER WATER DEPT. | Town Supply | 20 | 36 | 1.2 |
| 4089000 | EDGARTOWN | EDGARTOWN WATER DEPT. | Edgartown Water Co. | 15 | 12.82 | 12.82 |
| 4094000 | FAIRHAVEN | FAIRHAVEN WATER DEPT. | Town Supply | 10 | 7 | 7 |
| 4096000 | FALMOUTH | FALMOUTH WATER DEPT. | Town Supply | 50 | 9.2 | 6.2 |
| 4109000 | GOSNOLD | GOSNOLD WATER DEPT. | Gosnold Water Co. | 0.05 | 0.37 | 0.37 |
| 4118000 | HALIFAX | HALIFAX WATER DEPT. | Town Supply | 4 | 2.1 | 32 |
| 4122000 | HANOVER | HANOVER WATER DEPT. | Town Supply | 12 | 12 | 12 |
| 4123000 | HANSON | HANSON WATER DEPT. | Town Supply | 18 | 15.39 | 15.39 |
| 4145000 | KINGSTON | KINGSTON WATER DEPT. | Town Supply | 0.2 | 3.3 | 44 |
| 4169000 | MARION | MARION WATER DEPT. | Town Supply | 4 | 4 | |
| 4171000 | MARSHFIELD | MARSHFIELD WATER DEPT. | Town Supply | 15 | 3.4 | 3.22 |
| 4172039 | MASHPEE | MASHPEE WATER DIST. | Highwood Water Co. | 1 | 2.7 | |
| 4197000 | NANTUCKET | WANNACOMET WATER CO. | Wannacomet Water Co. | 0.2 | 0.2 | 0.2 |
| 4219000 | NORWELL | NORWELL WATER DEPT. | Town Supply | 2 | 2 | 0.5 |
| 4221000 | OAK BLUFFS | OAK BLUFFS WATER DIST. | Town Supply | 10 | 10 | 10 |
| 4231000 | PEMBROKE | PEMBROKE WATER DIV. DPW | Town Supply | 5 | 0.9 | 0.9 |
| 4239000 | PLYMOUTH | PLYMOUTH WATER DEPT. | Town Supply | 35 | 35.53 | 35.53 |
| 4242000 | PROVINCETOWN | PROVINCETOWN WATER DEPT. | Town Supply | 6 | Unknown | Unknown |
| 4245000 | RAYNHAM | RAYNHAM CENTER WATER DIST. | Raynham Center Water Dist. | 2 | 10.5 | |
| 4261000 | SANDWICH | SANDWICH WATER DIST. | Town Supply | 50 | 54.79 | 54.79 |
| 4264000 | SCITUATE | SCITUATE WATER DIV. | Town Supply | 3 | Unknown | Unknown |
| 4293000 | LAKEVILLE | TAUNTON WATER DEPT. | Municipal Supply | Unknown | 0.4 | 0 |
| 4296000 | TISBURY | TISBURY WATER WORKS | Town Supply | 10 | 10 | 10 |
| 4310000 | WAREHAM | WAREHAM FIRE DIST. | Wareham Fire Dist. | 20 | 18.9 | 18.9 |
| 4310003 | WAREHAM | ONSET FIRE DIST. | Onset Fire Dist. | 20 | 20 | 25.18 |
| 4322000 | WEST BRIDGEWATER | WEST BRIDGEWATER WATER DEPT. | Town Supply | 5 | 18 | 16.4 |
| 4338000 | WHITMAN | WHITMAN WATER SYSTEM | Town Supply | 8 | 2.15 | 0.5 |
| 4350000 | WRENTHAM | WRENTHAM WATER DIV. | Town Supply | 4 | 3.85 | 3.73 |
| | | | TOTAL | 580.2 | 496.15 | 572.1 |