

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc.</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>6P-26</u> <u>PBWO Casco</u> Address <u>Cumberland</u> County <u>Casco</u> Nearest Town <u>43° 58' 50.28 "</u> Latitude (D,M,S or DD format) <u>70° 32' 42.19 "</u> Longitude</p> <p>4. Well Type: <input checked="" type="checkbox"/> direct push <input type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>Non-detect for VOCs</u> <u>in 2009 and 2012.</u></p> <p>7. Are boring logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p> <p>8. Are well construction logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>5</u></p> <p>10. Boring Diameter (in): <u>2</u></p> <p>11. Riser/Casing Diameter (in): <u>1</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, length removed (ft.): <u>7</u></p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>pulled out PVC</u> If yes, was casing perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input checked="" type="checkbox"/> bentonite grout <input type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1/2 chips</u>, or cubic feet _____</p> <p>17. Explain Method of Material Placement: <u>Bentonite chips to surface</u></p> <p>18. Signature of Person Abandoning the Well: <u>MDEP Jason Langley C.G.</u></p>
--	---

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>6P-30</u> <u>PBWO CASCO</u> Address <u>Amherst</u> County <u>Casco</u> Nearest Town <u>43° 58' 48.05"</u> Latitude (D,M,S or DD format) <u>70° 32' 42.11"</u> Longitude</p> <p>4. Well Type: <input checked="" type="checkbox"/> direct push <input type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>No VOCs detected</u> <u>2005, 2007, 2008, and 2009</u></p> <p>7. Are boring logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p> <p>8. Are well construction logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>5</u></p> <p>10. Boring Diameter (in): <u>2</u></p> <p>11. Riser/Casing Diameter (in): <u>1</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, length removed (ft.): <u>7</u></p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, was casing perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input type="checkbox"/> bentonite grout <input checked="" type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1/2 chips</u>, or cubic feet _____</p> <p>17. Explain Method of Material Placement: <u>Bentonite chips to surface.</u></p> <p>18. Signature of Person Abandoning the Well: <u>MDEP Jason Langley C.G.</u></p>
--	--

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc.</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>GP-44</u> <u>PBWO Casio</u> Address <u>Cumberland</u> County <u>Casio</u> Nearest Town <u>43° 58' 56.33"</u> Latitude (D,M,S or DD format) <u>70° 32' 37.09"</u> Longitude</p> <p>4. Well Type: <input checked="" type="checkbox"/> direct push <input type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>non-detect as residential</u> <u>VOCs</u></p> <p>7. Are boring logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p> <p>8. Are well construction logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>9</u></p> <p>10. Boring Diameter (in): <u>2</u></p> <p>11. Riser/Casing Diameter (in): <u>1</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, length removed (ft.): <u>11</u></p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, was casing perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input checked="" type="checkbox"/> bentonite grout <input checked="" type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1/2 chips</u>, or cubic feet _____</p> <p>17. Explain Method of Material Placement: <u>Bentonite chips to surface.</u></p> <p>18. Signature of Person Abandoning the Well: <u>MDEP Jason Langley C.G.</u></p>
---	--

**WELL ABANDONMENT RECORD**  
 Maine Department of Environmental Protection  
 Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor:  <u>Nathan Fast Borings Inc.</u>                  Company  <u>Mike Nadeau</u>                  Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>MW-139/2</u>  <u>PBWO Casco</u>                  Address  <u>Cumberland</u>                  County  <u>Casco</u>                  Nearest Town  <u>43° 58' 50.27"</u>                  Latitude (D,M,S or DD format)  <u>70° 32' 57.23"</u>                  Longitude</p> <p>4. Well Type:  <input type="checkbox"/> direct push <input checked="" type="checkbox"/> drilled</p> <p>5. Well Use:  <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial  <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment:  <u>MW-139 non-detect VOCs</u>  <u>since 2007; MW-137</u>  <u>no detections VOCs in 2003</u>  <u>and 2007.</u></p> <p>7. Are boring logs available?  <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p> <p>8. Are well construction logs available?  <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>MW-139 55</u>  <u>MW-137 118</u></p> <p>10. Boring Diameter (in): <u>4</u></p> <p>11. Riser/Casing Diameter (in): <u>2 x 1</u></p> <p>12. Type of Casing: <u>rested</u>  <u>PVC</u>  <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                  If yes, length removed (ft.): <u>MW-139 55</u>  <u>MW-137 91</u></p> <p>14. Was well abandoned in place?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                  If yes, was casing perforated?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material:  <input checked="" type="checkbox"/> bentonite grout <input type="checkbox"/> dry bentonite  <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used:                  # of bags <u>1/2 bag bentonite</u>, or                  cubic feet <u>and 200 gallons water</u>  <u>used 15 gal</u></p> <p>17. Explain Method of Material Placement:  <u>grout mix in borehole</u>  <u>tremic grouted open hole</u>  <u>(after removing PVC casing)</u>  <u>and chipped to surface.</u></p> <p>18. Signature of Person Abandoning the Well:  <u>MDEP Jason Laughy C.G.</u></p>
---	--

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc.</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>MW-18A/B</u> <u>PBWO Casco</u> Address <u>Cumberland</u> County <u>Casco</u> Nearest Town <u>43° 58' 47.9"</u> Latitude (D,M,S or DD format) <u>70° 32'</u> Longitude</p> <p>4. Well Type: <input type="checkbox"/> direct push <input checked="" type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>MW-18 A/B no detections</u> <u>of VOCs</u></p> <p>7. Are boring logs available? <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p> <p>8. Are well construction logs available? <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>MW-18 A 85</u> <u>MW-18 B 31</u></p> <p>10. Boring Diameter (in): <u>4</u></p> <p>11. Riser/Casing Diameter (in): <u>2 x 1</u> <u>rested PVC</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, length removed (ft.): <u>85 and 31</u></p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, was casing perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input checked="" type="checkbox"/> bentonite grout <input type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1 chips</u>, or cubic feet _____</p> <p>17. Explain Method of Material Placement: <u>After removing PVC casing</u> <u>~ 11 feet open hole</u> <u>used 1-bag bentonite chips</u> <u>to surface.</u></p> <p>18. Signature of Person Abandoning the Well: <u>MOEP: Jason Langley C.G.</u></p>
---	--

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>MW-20A</u> <u>PBWO Casco</u> Address <u>Cumberland</u> County <u>Casco</u> Nearest Town <u>43° 58' 58.9"</u> Latitude (D,M,S or DD format) <u>70° 32' 35.74"</u> Longitude</p> <p>4. Well Type: <input type="checkbox"/> direct push <input checked="" type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>No VOCs detected</u> <u>2005-2012</u></p> <p>7. Are boring logs available? <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p> <p>8. Are well construction logs available? <input checked="" type="checkbox"/> Yes, attached <input type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>72</u></p> <p>10. Boring Diameter (in): <u>4</u></p> <p>11. Riser/Casing Diameter (in): <u>2</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, length removed (ft.): _____</p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, was casing perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input checked="" type="checkbox"/> bentonite grout <input type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1/2 bag bentonite</u>, or <u>and 20 gallons water</u> cubic feet _____</p> <p>17. Explain Method of Material Placement: <u>Tremie hose lowered</u> <u>into PVC 2-in casing</u> <u>packed in approx 10 gal</u> <u>of bentonite grout mix.</u> <u>Bentonite chips to surface</u> <u>PVC pipe cut below grade.</u></p> <p>18. Signature of Person Abandoning the Well: <u>MOEP: Jason Langley C.G.</u></p>
--	--

WELL ABANDONMENT RECORD  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management

<p>1. Date of Abandonment: <u>4/16 - 4/17/2013</u></p> <p>2. Abandonment Contractor: <u>Northern Test Borings Inc.</u> Company <u>Mike Nadeau</u> Printed Name of Individual Abandoning Well</p> <p>3. Well Location: <u>MW-21</u> <u>PBWO Casio</u> Address <u>Cumberland</u> County <u>Casio</u> Nearest Town <u>43° 59' 8.81"</u> Latitude (D,M,S or DD format) <u>70° 32' 37.22"</u> Longitude</p> <p>4. Well Type: <input type="checkbox"/> direct push <input checked="" type="checkbox"/> drilled</p> <p>5. Well Use: <input checked="" type="checkbox"/> monitoring <input type="checkbox"/> residential <input type="checkbox"/> industrial <input type="checkbox"/> injection <input type="checkbox"/> recovery <input type="checkbox"/> geotechnical</p> <p>6. Reason for abandonment: <u>VOCs non-detect</u> <u>2006 - 2009</u></p> <p>7. Are boring logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p> <p>8. Are well construction logs available? <input type="checkbox"/> Yes, attached <input checked="" type="checkbox"/> No</p>	<p>9. Well Depth (ft): <u>52</u></p> <p>10. Boring Diameter (in): <u>4</u></p> <p>11. Riser/Casing Diameter (in): <u>2</u></p> <p>12. Type of Casing: <input type="checkbox"/> steel <input checked="" type="checkbox"/> PVC</p> <p>13. Was any casing removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, length removed (ft.): <u>54</u></p> <p>14. Was well abandoned in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>over drilled</u> If yes, was casing perforated? <u>via rotary wash</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>15. Abandonment Material: <input checked="" type="checkbox"/> bentonite grout <input type="checkbox"/> dry bentonite <input type="checkbox"/> cement grout <input type="checkbox"/> native soil</p> <p>16. Quantity of Material Used: # of bags <u>1 bag</u> or cubic feet <u>bentonite grout + 20 gallons water</u></p> <p>17. Explain Method of Material Placement: <u>Over drilled well via rotary</u> <u>wash to 52' BGS; remove</u> <u>20 gallons grout mix;</u> <u>remaining 2 ft open hole</u> <u>bentonite chips to surface.</u> <u>approx 2.5 bags chips.</u></p> <p>18. Signature of Person Abandoning the Well: <u>MDEP Jason Langley C.G.</u></p>
--	--