



# ENVIRONMENTAL HEALTH LEAD ASSESSMENT

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Sandra Whitehead and Christine Ortiz Gumina  
[sandrawhitehead@neha.org](mailto:sandrawhitehead@neha.org) and [cortizgumina@neha.org](mailto:cortizgumina@neha.org)

Intervention Components	Specific Element	Policy Resource
<b>Lead health as a strategic priority</b>	<p>Congressional Report Fiscal year 2001-2002</p> <p>CDC Strategic Plan</p> <p>Interdepartmental collaboration with medical providers, and other stakeholders dealing with children and lead</p>	<p><a href="https://www.cdc.gov/nceh/lead/policy/reporttocongress2001_2002.pdf">https://www.cdc.gov/nceh/lead/policy/reporttocongress2001_2002.pdf</a></p> <p><a href="https://www.cdc.gov/nceh/lead/about/fedstrategy2000.pdf">https://www.cdc.gov/nceh/lead/about/fedstrategy2000.pdf</a></p>
<b>Water as a basic Human right</b>	<p>Governments must view water as a basic human right and make safe drinking water available to all members of the community, most especially those who are marginalized.</p>	<p><a href="http://www.loc.gov/law/foreign-news/article/united-nations-united-states-california-water-rights-law-lauded/">Library of Congress: United Nations; United States: California Water Rights Law Lauded-http://www.loc.gov/law/foreign-news/article/united-nations-united-states-california-water-rights-law-lauded/</a></p> <p><a href="http://www.un.org/waterforlifedecade/human_right_to_water.shtml">Un Water: Water for Life 2005-2015-http://www.un.org/waterforlifedecade/human_right_to_water.shtml</a></p> <p><a href="http://www2.ohchr.org/english/issues/water/contributions/UnitedStatesofAmerica.pdf">Views of the United States of America on Human Rights and Access to Water-http://www2.ohchr.org/english/issues/water/contributions/UnitedStatesofAmerica.pdf</a></p> <p><a href="http://law.scu.edu/wp-content/uploads/150915_IACHR-Water-Rts-Questionnaire_United-States_Santa-Clara.pdf">Santa Clara Law: The Human Right to Water in the United States-http://law.scu.edu/wp-content/uploads/150915_IACHR-Water-Rts-Questionnaire_United-States_Santa-Clara.pdf</a></p> <p><a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1253680/">Is Environmental Health a Basic Human Right?-https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1253680/</a></p>
<b>Environmental Health Cross Cutting indicators</b>	<p>Child lead surveillance system and environmental health tracking portal</p> <p>The inclusion of environmental health professionals in the formation of lead policy development</p>	<p><a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1253680/">Is Environmental Health a Basic Human Right?-https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1253680/</a></p>

<p><b>Risk Assessments -fully formalized lead program</b></p>		<p><a href="http://www.pewtrusts.org/~media/assets/2017/08/hip_childhood_lead_poisoning_report.pdf">10 Policies to Prevent and Respond to Childhood Lead Exposure-</a> <a href="http://www.pewtrusts.org/~media/assets/2017/08/hip_childhood_lead_poisoning_report.pdf">http://www.pewtrusts.org/~media/assets/2017/08/hip_childhood_lead_poisoning_report.pdf</a></p> <p><a href="https://ptfceh.niehs.nih.gov/features/assets/files/key_federal_programs_to_reduce_childhood_lead_exposures_and_eliminate_associated_health_impactspresidents_508.pdf">NIEHS NIH Key Federal Programs to Reduce Childhood Lead Exposures and Eliminate Associated Health Impacts-</a> <a href="https://ptfceh.niehs.nih.gov/features/assets/files/key_federal_programs_to_reduce_childhood_lead_exposures_and_eliminate_associated_health_impactspresidents_508.pdf">https://ptfceh.niehs.nih.gov/features/assets/files/key_federal_programs_to_reduce_childhood_lead_exposures_and_eliminate_associated_health_impactspresidents_508.pdf</a></p>
<p><b>Lead Service Line Replacement</b></p>	<p>Lead pipes should be automatically replaced when lines are being serviced.</p> <p>Water utilities should communicate lead exposure risks in a proactively: (1)when lead service lines are repaired or replaced (2) Routine maintenance work on water mains may disturb lead service lines.</p>	<p><a href="https://www.asdwa.org/event/2867/">Lead Service Line Replacement – Ideas for States-</a> <a href="https://www.asdwa.org/event/2867/">https://www.asdwa.org/event/2867/</a></p> <p><a href="https://www.lslr-collaborative.org/about-us.html">The Lead Service Line Replacement Collaborative-</a> <a href="https://www.lslr-collaborative.org/about-us.html">https://www.lslr-collaborative.org/about-us.html</a></p> <p><a href="https://www.awwa.org/portals/0/files/resources/publicaffairs/pdfs/finaleadservicelinecommguide.pdf">Communicating About Lead Service Lines: A Guide for Water Systems Addressing Service Line Repair and Replacement-</a> <a href="https://www.awwa.org/portals/0/files/resources/publicaffairs/pdfs/finaleadservicelinecommguide.pdf">https://www.awwa.org/portals/0/files/resources/publicaffairs/pdfs/finaleadservicelinecommguide.pdf</a></p> <p><a href="http://dnr.wi.gov/Aid/documents/EIF/leadServiceLineFunding.html">Funding options for lead service line replacement-</a> <a href="http://dnr.wi.gov/Aid/documents/EIF/leadServiceLineFunding.html">http://dnr.wi.gov/Aid/documents/EIF/leadServiceLineFunding.html</a></p> <p><a href="https://health.ny.gov/environmental/water/drinking/lslrp/index.htm">New York State Lead Service Line Replacement Program Overview-</a> <a href="https://health.ny.gov/environmental/water/drinking/lslrp/index.htm">https://health.ny.gov/environmental/water/drinking/lslrp/index.htm</a></p> <p>Legal:</p> <p><a href="https://www.law.cornell.edu/cfr/text/40/141.84">Cornell Law School Legal Information Institute-</a> <a href="https://www.law.cornell.edu/cfr/text/40/141.84">https://www.law.cornell.edu/cfr/text/40/141.84</a></p> <p>Sample Reporting System: <a href="#">CA.GOV Electronic Annual Reporting System</a></p>

<p><b>Lead and Copper Pipe Remediation Policy - testing</b></p>	<p>No acceptable concentration of lead allowed in public drinking and tap.</p> <p>Restricting the amount of pipe corrosion occurring due to the water itself.</p>	<p><a href="https://www.lslr-collaborative.org/references.html">LEAD SERVICE LINE REPLACEMENT COLLABORATIVE ROADMAP-https://www.lslr-collaborative.org/references.html</a></p> <p><a href="https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=60001IKR.txt">Lead and Copper Rule 2007 Short-Term Regulatory Revision and Clarifications State Implementation Guidance-https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=60001IKR.txt</a></p> <p><a href="https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100DP2P.txt">Lead and Copper Rule Monitoring and Reporting Guidance for Public Water Systems-https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100DP2P.txt</a></p> <p><a href="https://www.epa.gov/sites/production/files/2015-09/documents/2007_12_10_lcmr_pdfs_draft_guidance_lcmr_implementationshortterm_appendix-a.pdf">Primary Revision Crosswalk for the Lead and Copper Rule Short Term Revision-https://www.epa.gov/sites/production/files/2015-09/documents/2007_12_10_lcmr_pdfs_draft_guidance_lcmr_implementationshortterm_appendix-a.pdf</a></p> <p><a href="https://www.epa.gov/sites/production/files/2015-09/documents/2007_12_10_lcmr_pdfs_draft_guidance_lcmr_implementationshortterm_appendix-b.pdf">2007 Short-Term Revisions Compared to the Lead and Copper Rule-https://www.epa.gov/sites/production/files/2015-09/documents/2007_12_10_lcmr_pdfs_draft_guidance_lcmr_implementationshortterm_appendix-b.pdf</a></p>
<p><b>Water Infrastructure</b></p>	<p>Establishing Federal, State, and Local governments funding for water infrastructure improvements</p> <p>Expand Partnership to include water utility stakeholders</p>	<p><a href="https://www.epa.gov/sites/production/files/2016-11/documents/508.final_usepa_drinking_water_action_plan_11.30.16.v0.pdf">EPA Drinking Water Action Plan-https://www.epa.gov/sites/production/files/2016-11/documents/508.final_usepa_drinking_water_action_plan_11.30.16.v0.pdf</a></p> <p><a href="http://www.housing.gov.ie/water/water-quality/lead-drinking-water/national-strategy-reduce-lead-drinking-water-published">National Strategy to Reduce Lead in Drinking Water Published – Minister Kelly-http://www.housing.gov.ie/water/water-quality/lead-drinking-water/national-strategy-reduce-lead-drinking-water-published</a></p>
<p><b>Funding Policy for Water Treatment and Remediation of lead in system</b></p>	<p>Lead Monitoring and Guidance for Public Water Systems</p> <p>Technology Solutions in Harmful Toxics testing</p>	<p><a href="https://www.epa.gov/drinkingwatersrf/how-drinking-water-state-revolving-fund-works">EPA Learn about the Drinking Water State Revolving Loan Fund-https://www.epa.gov/drinkingwatersrf/how-drinking-water-state-revolving-fund-works</a></p>

		<p><u>EPA Water Infrastructure Funding Options-</u>  <a href="https://www3.epa.gov/region1/eco/drinkwater/pdfs/waterfundletterweb.pdf">https://www3.epa.gov/region1/eco/drinkwater/pdfs/waterfundletterweb.pdf</a></p> <p><u>Exploring Alternative Funding Methods for the Lead Remediation Program in Scott County, Iowa -</u>  <a href="https://digitalcommons.augustana.edu/cgi/viewcontent.cgi?referer=https://www.bing.com/&amp;httpsredir=1&amp;article=1002&amp;context=swliscott">https://digitalcommons.augustana.edu/cgi/viewcontent.cgi?referer=https://www.bing.com/&amp;httpsredir=1&amp;article=1002&amp;context=swliscott</a></p> <p><u>Ohio EPA Financial Assistance-</u>  <a href="http://www.epa.ohio.gov/ddagw/financialassistance.aspx">http://www.epa.ohio.gov/ddagw/financialassistance.aspx</a></p> <p><u>CA GROUNDWATER GRANT PROGRAM GUIDELINES-</u>  <a href="https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/docs/draft_prop1_gw_funding_guidelines_strikesthrough_october_2017.pdf">https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/docs/draft_prop1_gw_funding_guidelines_strikesthrough_october_2017.pdf</a></p> <p><u>Testing for Lead in California Drinking Water Plumbing Products-</u>  <a href="http://www.dtsc.ca.gov/PollutionPrevention/leadinplumbing.cfm">http://www.dtsc.ca.gov/PollutionPrevention/leadinplumbing.cfm</a></p> <p><u>EPA Lead and Copper Monitoring and Reporting Guidance for Public Water Systems-</u>  <a href="https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P1002YN5.txt">https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P1002YN5.txt</a></p>
<p><b>Water Infrastructure: Community Outreach</b></p>	<p>Bring in local community leaders to disseminate information and provide policy improvement participation</p> <p>Appropriate programs that target at risk communities</p> <p>Outreach for refugees/immigrants Provide community workshops that engage community residents on lead risks</p>	<p><u>Lead and Copper Rule: Public Education &amp; Consumer Notification Requirements for Non-Transient Non-Community Water Systems-</u>  <a href="https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=60001N8R.txt">https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=60001N8R.txt</a></p> <p><a href="http://www.liquidassets.psu.edu/outreach/community_toolkit.html">http://www.liquidassets.psu.edu/outreach/community_toolkit.html</a></p> <p><a href="http://www.cpe.vt.edu/swim/conference/index.html">http://www.cpe.vt.edu/swim/conference/index.html</a></p>

	<p>Conduct advocacy training with residents</p> <p>Facilitate stakeholder</p> <p>Referrals to lead screening</p> <p>Presentations at local schools</p>	
<p><b>Lead paint Removal Remediation</b></p> <p><b>Lead and Housing</b></p>	<p>IA-All pre-1978 facilities where children under 6 lives, visit or attend regularly that are not owner occupied must used a certified lead safe renovator. In home child care providers are the exception to the owner occupied, they must also use a lead safe renovator.</p>	<p><a href="https://www.gillibrand.senate.gov/imo/media/doc/Gillibrand%20Lead%20Paint%20Grants%20Guidebook%202015.pdf">A Guide to Funding Programs for Lead Based Paint Removal- https://www.gillibrand.senate.gov/imo/media/doc/Gillibrand%20Lead%20Paint%20Grants%20Guidebook%202015.pdf</a></p> <p><a href="https://www.epa.gov/lead/renovation-repair-and-painting-program">EPA Renovation, Repair and Painting Program- https://www.epa.gov/lead/renovation-repair-and-painting-program</a></p> <p><a href="https://www.epa.gov/sites/production/files/documents/1018erpp-1207.pdf">EPA Section 1018 – Disclosure Rule- https://www.epa.gov/sites/production/files/documents/1018erpp-1207.pdf</a></p> <p><a href="https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&amp;SID=e1741143a75841f15fcfd930d325ac2b&amp;rgn=div5&amp;view=text&amp;node=24:1.1.1.1.24&amp;idno=24#se24.1.35_1325">PART 35—LEAD-BASED PAINT POISONING PREVENTION IN CERTAIN RESIDENTIAL STRUCTURES-https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&amp;SID=e1741143a75841f15fcfd930d325ac2b&amp;rgn=div5&amp;view=text&amp;node=24:1.1.1.1.24&amp;idno=24#se24.1.35_1325</a></p>
<p><b>Landlord lead paint removal</b></p>	<p>All property not owner occupied must used a certified lead safe renovator</p>	<p><a href="https://www.epa.gov/lead/renovation-repair-and-painting-program-do-it-yourselfers">EPA Renovation, Repair and Painting Program: Do-It-Yourselfers-https://www.epa.gov/lead/renovation-repair-and-painting-program-do-it-yourselfers</a></p> <p><a href="https://www.epa.gov/lead/renovation-repair-and-painting-program-property-managers">EPA Renovation, Repair and Painting Program: Property Managers-https://www.epa.gov/lead/renovation-repair-and-painting-program-property-managers</a></p> <p><a href="https://www.epa.gov/lead/renovation-repair-and-painting-program-realtors">EPA Renovation, Repair and Painting Program: Realtors-https://www.epa.gov/lead/renovation-repair-and-painting-program-realtors</a></p>

		<a href="https://www.cdc.gov/nceh/lead/policy/HIPAADoc.pdf">A Guide for State and Local Childhood Lead Poisoning Prevention Programs 2004-</a> <a href="https://www.cdc.gov/nceh/lead/policy/HIPAADoc.pdf">https://www.cdc.gov/nceh/lead/policy/HIPAADoc.pdf</a>
<b>Lead abatement program involving training and certification for lead-based activities</b>	<p>Lead; Requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities; Final Rule (August 29, 1996) (PDF) (54 pp, 353K, About PDF)</p> <ul style="list-style-type: none"> <li>This regulation ensures that individuals conducting lead-based paint abatement, risk assessment, or inspection are properly trained and certified, that training programs are accredited, and that these activities are conducted according to reliable, effective and safe work practice standards</li> </ul>	<a href="https://www.epa.gov/lead/lead-abatement-program-training-and-certification-program-lead-based-paint-activities-tsca">https://www.epa.gov/lead/lead-abatement-program-training-and-certification-program-lead-based-paint-activities-tsca</a>  <a href="https://www.tn.gov/environment/program-areas/solid-waste/toxic-substances/lead-hazard-program.html">https://www.tn.gov/environment/program-areas/solid-waste/toxic-substances/lead-hazard-program.html</a>  <a href="https://www.tn.gov/environment/program-areas/solid-waste/toxic-substances/lead-certification.html">https://www.tn.gov/environment/program-areas/solid-waste/toxic-substances/lead-certification.html</a>
<b>Lead in Air</b>	<p>Primary and secondary: 3 months average, not to exceed 0.15 µg/m<sup>3</sup> <sup>(4)</sup></p>	<a href="https://www.epa.gov/criteria-air-pollutants/naaqs-table">https://www.epa.gov/criteria-air-pollutants/naaqs-table</a>  <a href="https://www.epa.gov/lead-air-pollution">https://www.epa.gov/lead-air-pollution</a>  <a href="https://www.epa.gov/lead-air-pollution/basic-information-about-lead-air-pollution">https://www.epa.gov/lead-air-pollution/basic-information-about-lead-air-pollution</a>  <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2831943/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2831943/</a>
<b>Childcare centers and Lead policy</b>	<p>For Kindergarten all children must show evidence of at least one lead test by age 6.</p> <p>Schools and child care facilities that have their own water supply and are considered non-transient, non-community water systems (NTNCWSs) are subject to the Lead and Copper Rule (LCR) requirements.</p>	<p><a href="https://www.epa.gov/lead/renovation-repair-and-painting-program-operators-childcare-facilities">EPA Renovation, Repair and Painting Program: Operators of Childcare Facilities-https://www.epa.gov/lead/renovation-repair-and-painting-program-operators-childcare-facilities</a></p> <p><a href="https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-childcare-facilities">EPA Lead in Drinking Water in Schools and Childcare Facilities-https://www.epa.gov/dwreginfo/lead-drinking-water-schools-and-childcare-facilities</a> (Basic Information, 3Ts Full Toolkit, and Partners)</p>

Lead levels found can trigger requirements that include water quality parameter (WQP) monitoring, corrosion control treatment (CCT), source water monitoring/treatment, public education, and lead service line replacement.

If you or your employees conduct renovation, repair, or painting activities in a pre-1978 child-occupied facility then you must become a Lead-Safe Certified firm and your employees who conduct renovation, repair, or painting activities must become trained and certified renovators.

Department of Natural Resources has drinking water standards- municipalities, child care providers not on municipal water are required to test