

MechSE WELLness

X05 In-Place Management

Intent: Reduce or eliminate exposure to hazardous building materials through in-place management of legacy contaminants.

100,000 people die annually from asbestos-related disease including mesothelioma. 494,000 people died in 2015 due to lead exposure, primarily in less developed countries. The Institute for Health Metrics and Evaluation estimated that lead exposure was responsible for 12.4% of global burden of developmental intellectual disability, 3.03% of global burden of ischemic heart disease, and 3.09% of global burden of stroke in 2016. Studies examining adults have found that increased bone and blood levels of lead are associated with hypertension. Exposure to lead in early development is associated with negative impacts on intelligence quotient, learning, memory, and behavior.

Impact: In-place management, where abatement is not yet feasible, mitigates exposure and health hazards.

What are the requirements to earn this credit?

1. Develop and maintain an asbestos management plan. Review existing premises and update plan every three years.
2. Develop and maintain a lead management plan to evaluate lead-based paint locations and maintain them from flaking until more costly abatement can occur.

How is MechSE accomplishing these requirements?

MechSE has a policy that aligns our efforts with those of the campus, who maintain a campus-level resource of existing locations of asbestos and lead. As space is renovated, asbestos, lead, and any other harmful materials are abated. Until then, campus maintenance crews maintain the existing to prevent flaking, dust, etc. to protect from inhalation and exposure.



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