

HEALTH CONSULTATION

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Angelillo Property Superfund Site  
61C Buckland Street  
Southington, Hartford County, Connecticut  
CERCLIS CTD983888223

September 24, 1996

Prepared by  
Connecticut Department of Public Health  
under cooperative agreement with the  
Agency for Toxic Substances and Disease Registry

*The conclusions and recommendations in this health consultation are based on the data and information made available to the Connecticut Department of Public Health and the Agency for Toxic Substances and Disease Registry. The Connecticut Department of Public Health and the Agency for Toxic Substances and Disease Registry will incorporate additional information if it becomes available. The incorporation of any additional data could change the conclusions and recommendations listed in this document.*

## Background and Statement of Issues

The Angelillo Property Superfund Site, 61C Buckland Street, Southington, Connecticut is a former scrap yard. Due to the presence of highly contaminated surface soils, the Environmental Protection Agency (EPA) is proposing a removal action. EPA requested that a health consultation be written to assess whether the proposed removal action, to address contaminated soils, will be protective of public health. [1]

The property covers approximately 2.3 acres in a mixed residential, commercial area. The site is bounded by two residences and a vacant lot to the north, Old Turnpike Road to the east, three residences to the south and the Brunalli Construction Company and a residence to the west. (See Appendix A-Site Map) The site is partially fenced and a locked gate exists across the driveway preventing vehicle access. Litter and debris including scrap tires, wood, automotive parts and construction debris are scattered on the site. The site is vacant and overgrown with vegetation except in the area where the most contaminated surface soils are present.

From the late 1970's until approximately 1985, the Angelillo Scrap Metal Company received drums of solvents, sludges and paint wastes. It is believed that residual materials within the drums were discharged to the ground and the drums were cleaned and resold as scrap.

## Discussion

A Preliminary Assessment/Site Investigation (PA/SI) was conducted by the EPA Emergency Planning and Response Branch in September and October of 1995. [2] During this investigation, surface soils and soil gas sampling was done as well as a magnetometer survey to identify buried drums. This investigation identified the presence of elevated levels of lead and polychlorinated biphenyls (PCBs) in soil. Concentrations are as high as 6800 ppm lead and 1000 ppm PCBs. Buried drums were not identified through the magnetometer survey.

## Proposed Removal Action:

EPA proposes to remove soil containing over 10 ppm PCBs or 1,000 ppm lead and dispose of this material off-site. In addition, EPA will place a one foot cover of clean soil and vegetative cover over any soil containing greater than 1 ppm PCBs or 500 ppm lead. In preparation for this activity, EPA will conduct additional soil sampling to fully characterize the extent of contamination. During the removal EPA will take

measures to prevent unauthorized access to the contaminated soils.

### Conclusions

EPA's proposal to remove soil containing 10 ppm PCBs or 1,000 ppm lead and cover areas of the property that contain greater than 1 ppm PCBs or 500 ppm lead is protective of health. As a result of this removal action, there will be no soil containing greater than 500 ppm lead or 1 ppm PCBs in surface soil. These concentrations are protective for a residential setting. The Angelillo Scrap Yard is private, commercial property. Access by trespassers would likely result in only short-term, intermittent exposures. This type of site access even further reduces the risk of exposure.

The most significant risk associated with the proposed removal action would be during the actual removal activities. These include the potential for soil contaminants to become airborne during invasive activities and the potential for migration off-site.

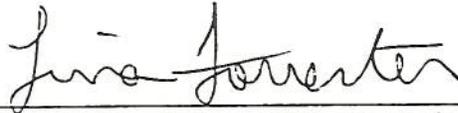
### Recommendations

ATSDR and the CT DPH make the following recommendations:

1. During all excavation activities including land clearing, excavation and transport, dust suppression measures should be employed to ensure that contamination does not become airborne.
2. Access to the site should be restricted during all remediation activities to prevent exposure to site related contaminants. Heavy equipment and site activity may attract children and trespassers.
3. Real-time air monitoring for dust around the work zone during all invasive activities should occur to ensure that site related contaminants are not becoming airborne and migrating off-site. EPA should consider the need for air sampling at the site perimeter for lead and PCBs during the first week of site activity to ensure that residents in the surrounding area are not being exposed to site related contaminants at levels of concern. ATSDR and CT DPH would be willing to assist in reviewing action levels for any air sampling and reviewing any air data generated.
4. Post excavation sampling results and excavation grids should be provided to CT DPH for review.
5. Local officials, or the appropriate agency, should place land use restrictions on the property to ensure that any future land use or site development would not include residential land use or uses that would require an application of the CT soil remediation standards for residential use.

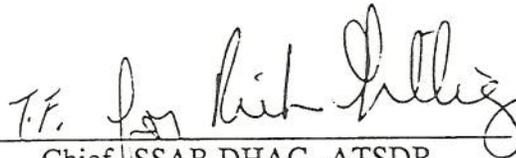
## CERTIFICATION

The Health Consultation for the Angelillo Scrap Yard site was prepared by the Connecticut Department of Public Health under a cooperative agreement with the Agency for Toxic Substances and Disease Registry (ATSDR). It is in accordance with approved methodology and procedures existing at the time the health consultation was initiated.



Technical Project Officer, SPS, SSAB, DHAC

The Division of Health Assessment and Consultation(DHAC), ATSDR, has reviewed this Health Consultation and concurs with its findings.



Chief, SSAB, DHAC, ATSDR

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## REFERENCES

1. United States Environmental Protection Agency. Memorandum to Louise House, ATSDR Region I from Frank Gardner. Request for Health Consultation, Angelillo Property, Superfund Site, Southington, CT. September, 1996.
2. Roy F. Weston, Inc.. Removal Program Preliminary Assessment/Site Investigation for Angelillo Property Site, Southington, Connecticut. September 7 and October 30-31, 1995.