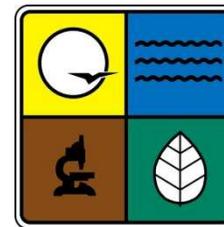


# Shapiro Brothers Salvage Yard Public Meeting

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May 9, 2013

Eagles Lodge, Crystal City

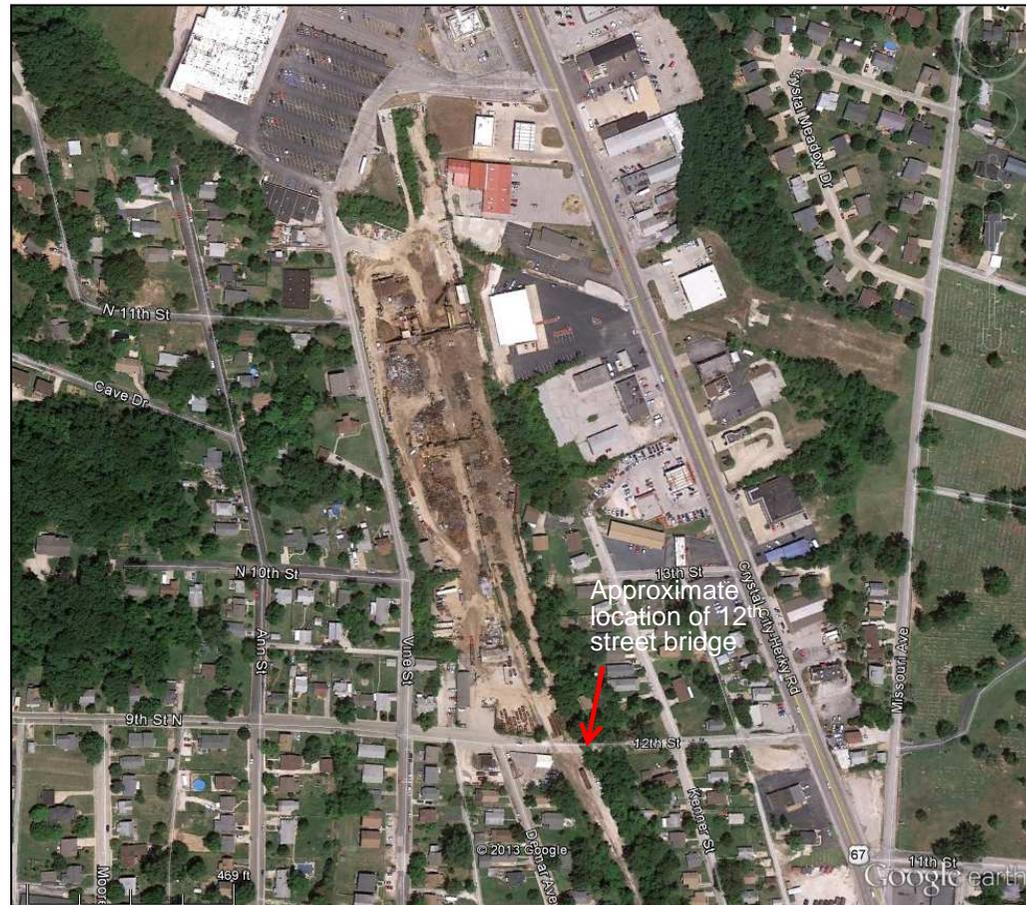


**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

# Shapiro Brothers Salvage Yard

## Timeline

- **July 2011**
  - 12th Street Bridge washes out.



## Timeline (cont.)

- **Aug 4, 2011**
  - City of Festus samples road dust near facility; finds lead 2,240 mg/kg
- **Sept. 1, 2011**
  - City of Festus complains to department about facility.
- **Sept 14, 2011**
  - Department inspects facility.
    - Finds compliance issues with waste management and clean water laws.

## Timeline (cont.)

- **Sept. 16, 2011**
  - Ownership of facility changes from Shapiro to MW Recycling LLC.
- **Nov. 15, 2011**
  - Department issues notices to MW Recycling LLC regarding compliance with waste management and clean water laws.
    - Addresses on-facility issues.
  - Department initiates Superfund investigation.
    - Addresses off-facility issues.

## Timeline (cont.)

- **December 2011**
  - Department initiates negotiations with facility owner to address the on-facility compliance issues.
    - Ongoing to present
- **April 2012**
  - Department samples yards.
    - Lead contamination found in yards of residences near facility and along haul routes.
- **July 12, 2012**
  - Yard results sent to residents.

## Timeline (cont.)

- **Aug. 24, 2012**
  - Department initiates negotiations with facility for yard cleanups.
    - Ongoing to present.
- **Sept. 25, 2012**
  - Department finalizes Superfund Investigation Report.  
<http://www.dnr.mo.gov/env/hwp/sfund/shapiro.htm>

# Superfund Investigation

- Historical primary off-facility environmental concern

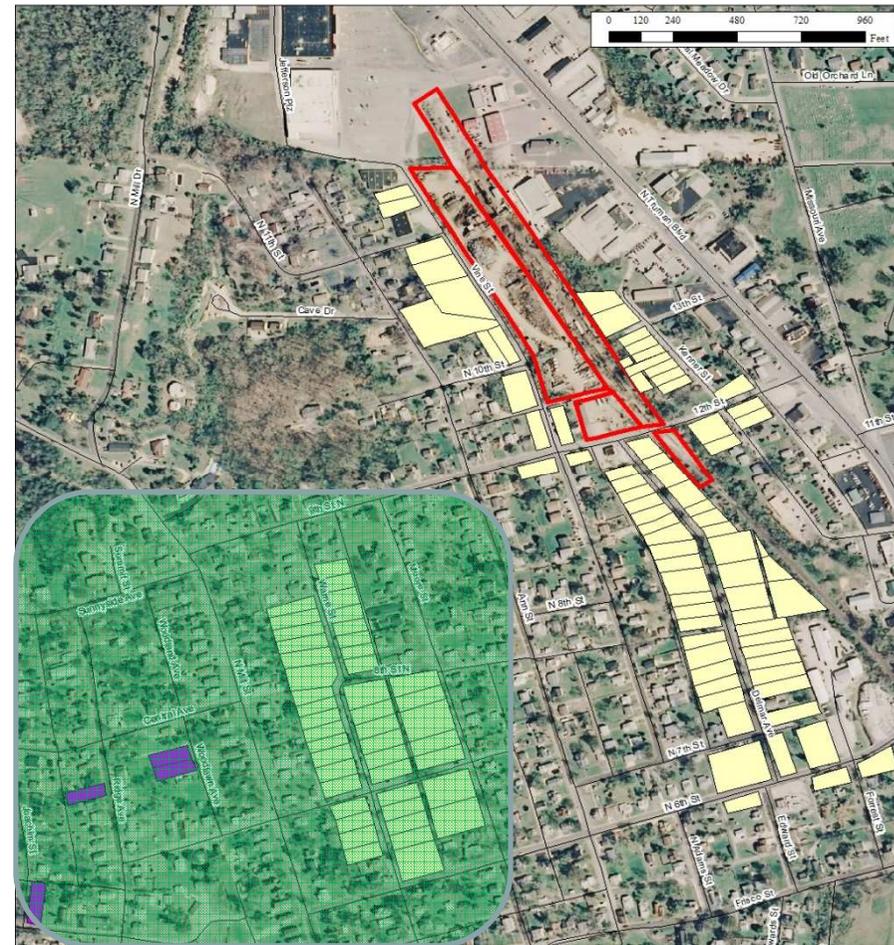


1. Contaminated soil sticks to vehicle tires.
2. Soil is tracked out of facility onto residential streets.
3. Contaminated soil left on residential streets is blown/transferred into residential yards.



# Superfund Investigation

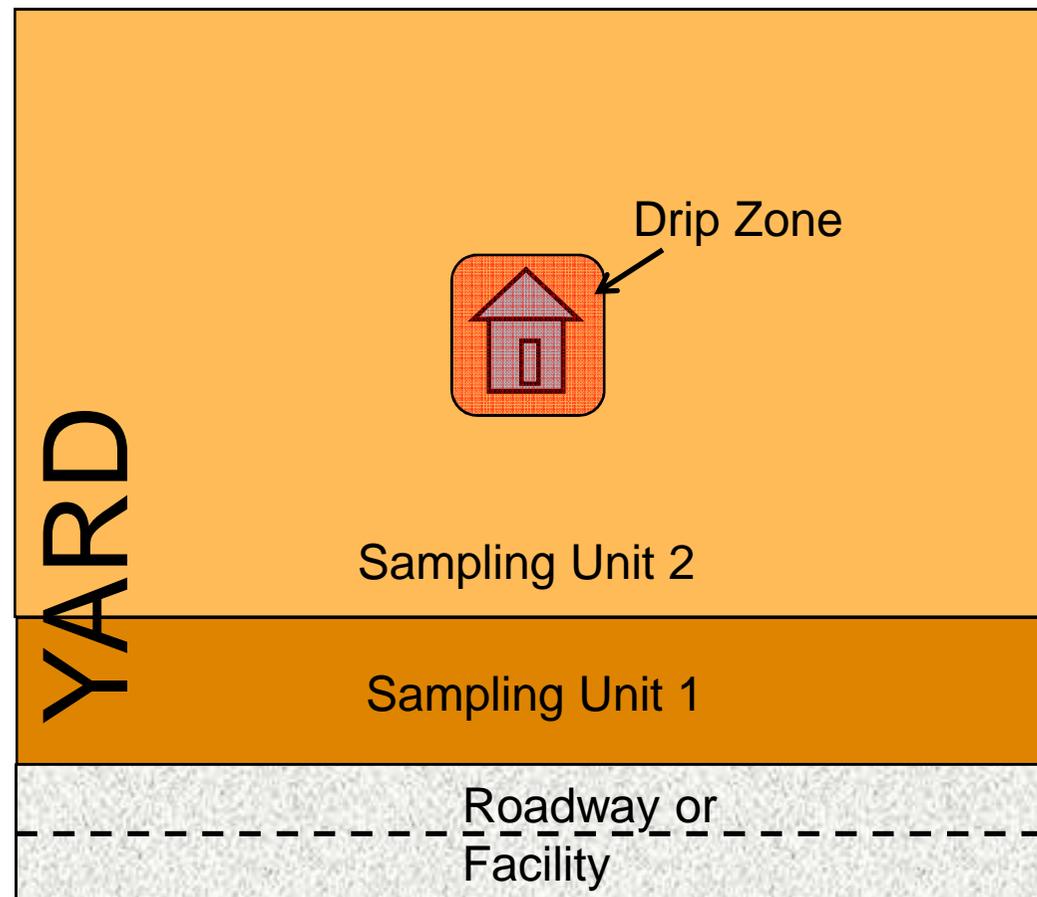
- Requested access to sample >100 residences (yellow parcels)
- Initial background area (green shading)
- Background residences sampled (purple parcels)



# Superfund Investigation

Testing done in three areas of the yard:

- **SU1** - higher lead expected
- **SU2** - lower lead expected
- **Drip zone** - lead paint influence



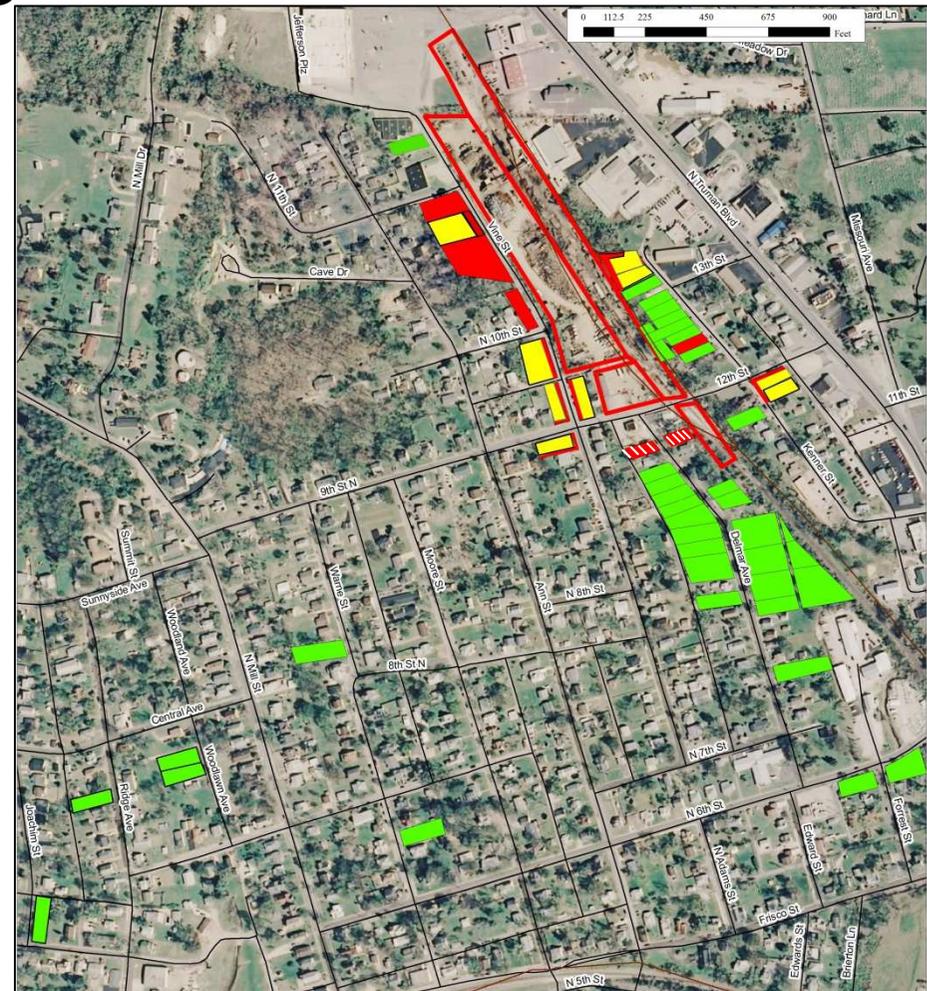
# Superfund Investigation



# Superfund Investigation - Results

Sampled residences (46):

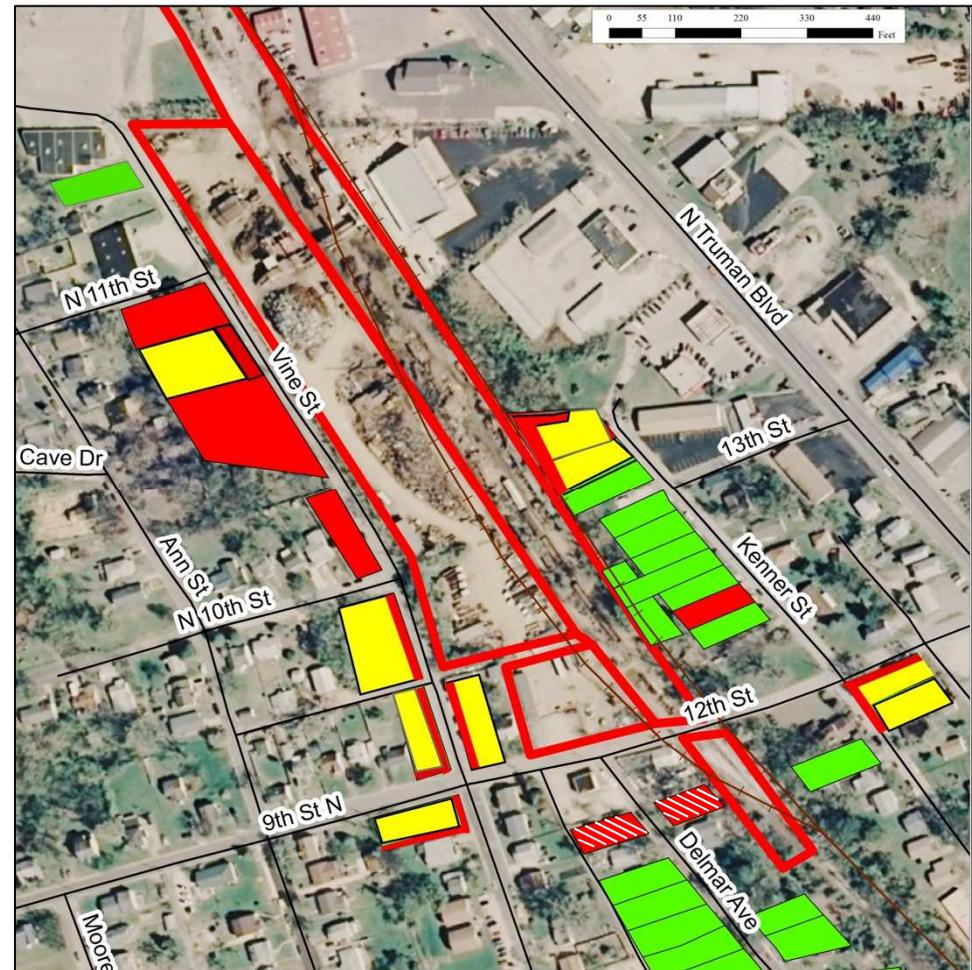
- **Green** = No cleanup warranted
- **Red** = Lead level warrants cleanup
-  = Only portion of yard warrants cleanup
-  = Resampling to focus cleanup



# Superfund Investigation - Results

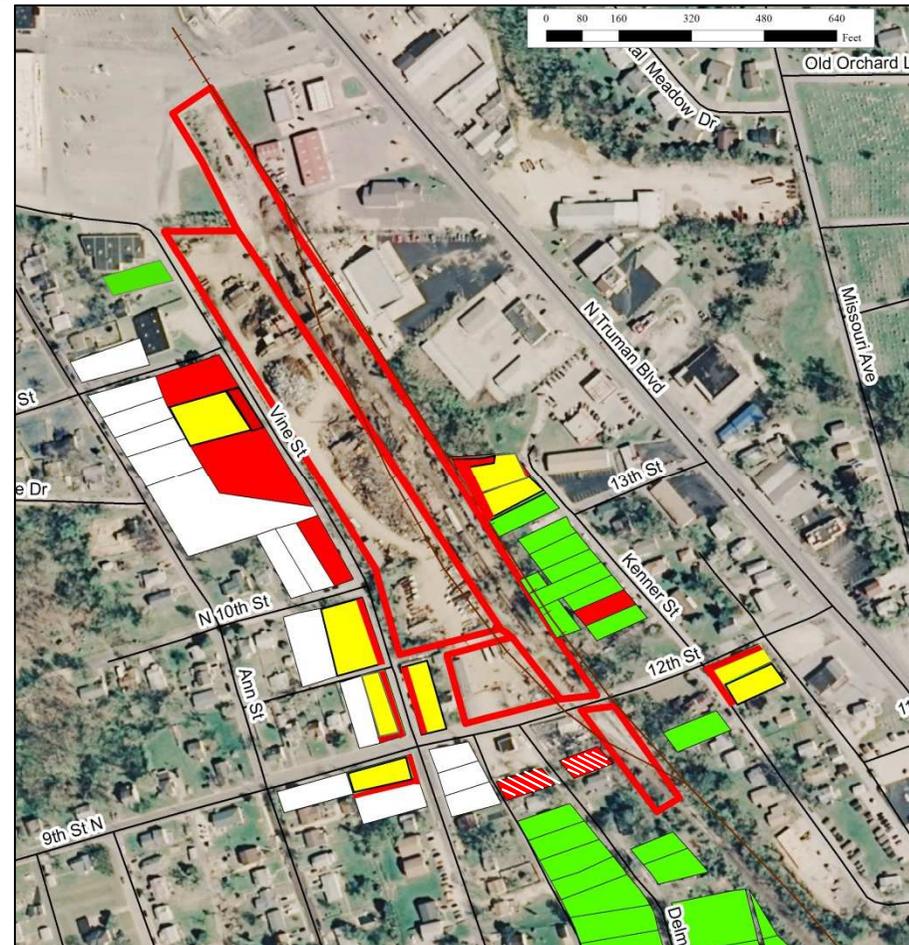
Sampled residences  
(zoomed in):

- **Green** = No cleanup warranted
- **Red** = Lead level warrants cleanup
-  = Only portion of yard warrants cleanup
-  = Resampling to focus cleanup



# Superfund Investigation

- 15 residences identified for additional investigation (white parcels)



# Abatement Orders on Consent

- Legally binding agreements between department and MW Recycling LLC.
- Outlines the work to be done
  - Addresses prior compliance issues related to clean water and hazardous waste laws
  - Yard cleanups and restoration
  - Additional yard sampling
- Work is done with department oversight and approval
- Penalties for non-compliance

# Contact Information

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