



# Former Dry Cleaner, Auburn, Maine

1950-1985

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MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

*Protecting Maine's Air, Land and Water*



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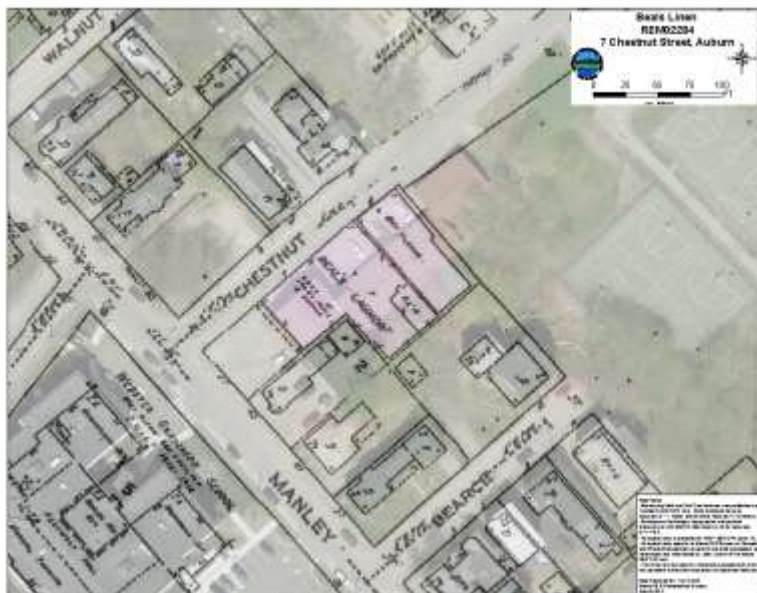
### 15 Unit Apartment Building Since 1987



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### Dry Cleaner 1950 -1985 (Sanborn Map 1980)



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### 2014 View from Backyard showing former foundation

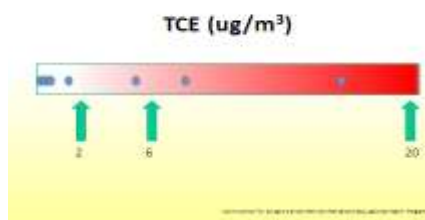


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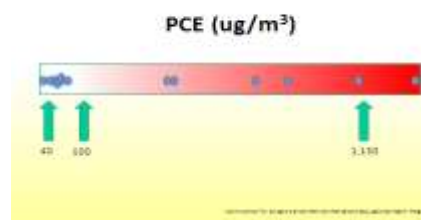
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### March 2014

#### Indoor Air Conditions Before Treatment Started



3 apartments over  $2 \mu\text{g}/\text{m}^3$   
 2 apartments over  $6 \mu\text{g}/\text{m}^3$ (\*\*)  
 0 apartments over  $20 \mu\text{g}/\text{m}^3$



12 apartments over  $40 \mu\text{g}/\text{m}^3$ (\*)  
 6 apartments over  $100 \mu\text{g}/\text{m}^3$   
 2 apartments at or over  $1,100 \mu\text{g}/\text{m}^3$

Relocation of 3 families was completed with consultation  
 with Maine CDC toxicologist and landlord



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March - April 2014

## Property Owner installed SSDS

MEDEP assisted with SSDS Design Testing

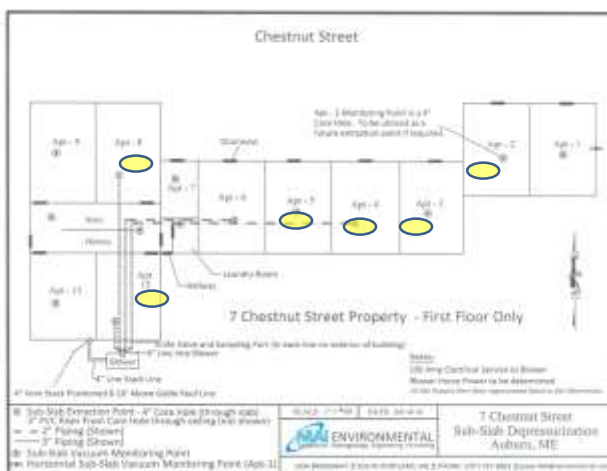
System Installation using MEDEP Treatment Trailer - 2HP Blower



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## April 16, 2014 subslab ventilation system installed and began operating



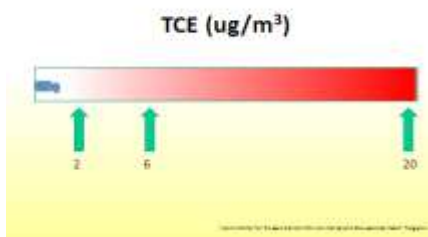
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## After Treatment Started

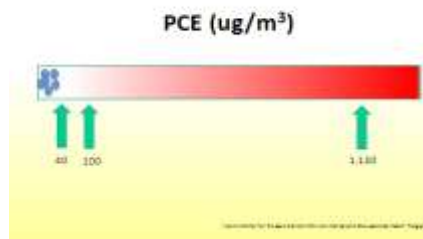
### TCE

Within 1 week all 6 apartments sampled were below  $2 \text{ ug/m}^3$



### PCE

Within 6 weeks all six apartments sampled are below  $40 \text{ ug/m}^3$



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## MEDEP Hired Ransom Consulting, Inc., Portland Maine to Complete Remedial Investigation

- Completed 28 soil borings
- Installed 23 monitoring wells
- Screened soil gas at 46 locations, with ppb-RAE, sampled 14 for laboratory analysis
- Collected 6 IA samples from on-site
- Collected 8 IA samples from off-site
- Collected 6 SS and 2 NS samples at off-site buildings
- Investigated trench drain in footprint of former buildings
- Video inspection of sewer lines
- Develop a working Conceptual Remediation Alternatives Report



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### Overview of Investigation Findings



### Overview of Current Approach



## 2015 Actions

- Monthly monitoring of SSDS and screening vapors along utilities
- Indoor air sampling during heating season on-site and at 6 off-site locations
- Complete a feasibility study based on Conceptual Mitigation Alternatives
- Continue PRP Negotiations



## MEDEP Retrospective

### Worked Well

- Dry Cleaner Initiative Soil Gas Screening in ROW identified potential problem
- Having trained, experienced, and cooperative team ready to deploy – DEP, CDC, and VI Consultants
- Having public relations strategy in-place to inform affected residents, neighbors, PRP's, and local government
- Rapid deployment of SSDS – MEDEP Trailer (21 Days after receiving laboratory results)

### Needs Improvement

- Earlier meeting with property owner to establish roles and a better method of communication
- Timeliness of toxicological recommendations in light of evolving TCE toxicity information and uncertainty
- Establishing an agreement with relocated tenants that defines responsibilities





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