

Public Meeting

Soil Vapor Investigation and Abatement Program

GE Fort Edward Plant Site

September 7, 2005

Purpose of Tonight's Meeting

Present methods and results of the soil vapor investigation

Describe the area delineated for mitigation

Discuss mitigation measures

Answer questions from the public

Methods used in investigation

- Groundwater Sampling
- Soil Vapor Survey
- Air Sampling at Structures

Groundwater Sampling

- To supplement the existing groundwater sample results, additional groundwater samples were collected from 8 locations along the margins of the study area
- The sampling points were designed to sample the uppermost groundwater at the water table
- All results were non-detect for VOCs

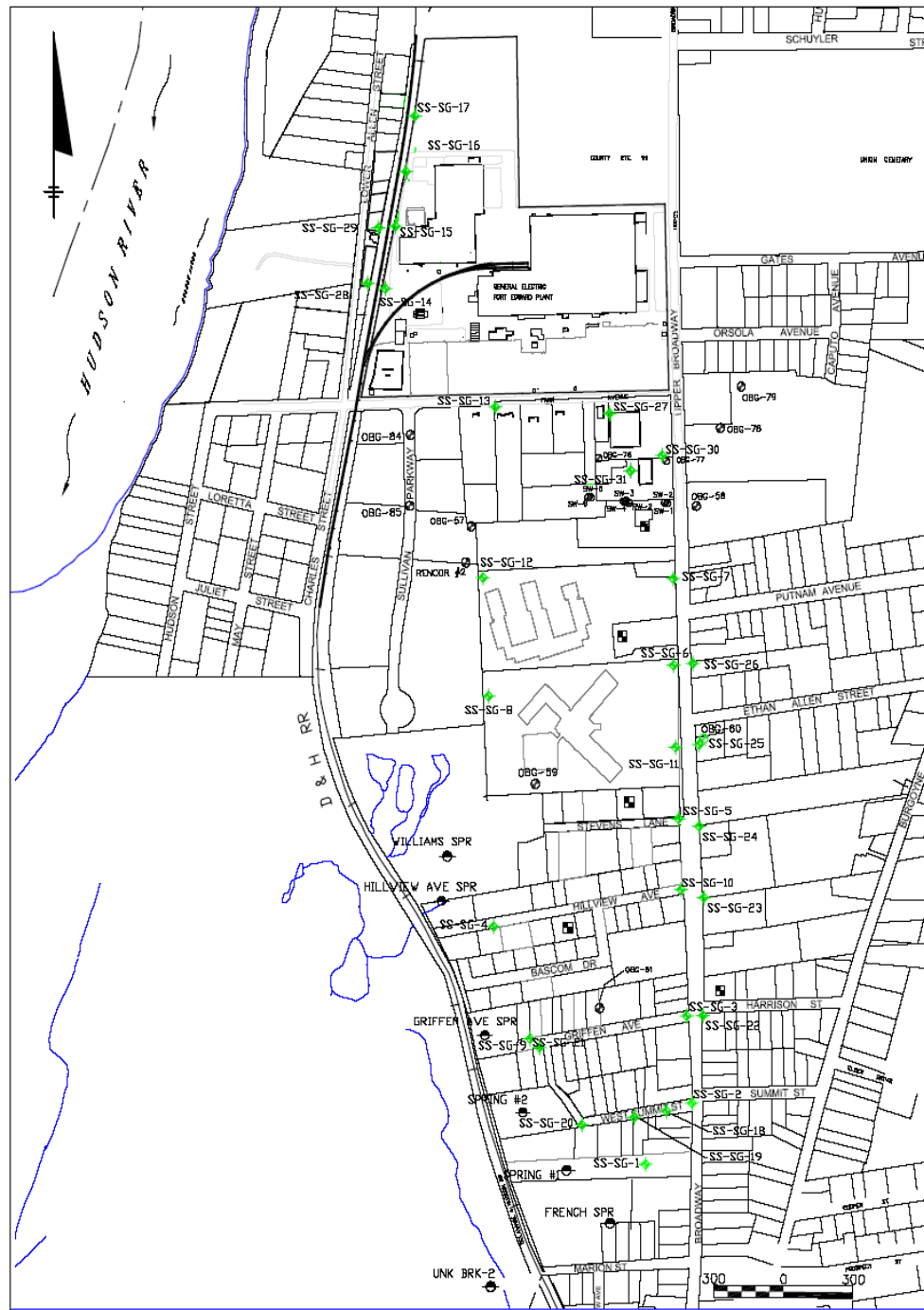


Soil Vapor Survey

- 30 soil vapor sampling points were installed, primarily at the margins of the study area, to delineate the soil vapor plume.
- The soil vapor sampling points were installed immediately above the water table to represent the maximum potential concentration of VOCs in soil vapor

Soil Vapor Survey

- Multiple phases of soil vapor survey sampling were performed to delineate the soil vapor plume.



Structure Sampling

- Sampling of structures within the study area was available upon request by the property owner
- Structure sampling included indoor air samples at the basement and first occupied floor, as well as sub-slab sampling
- Ambient (outdoor) air sampling was also done to evaluate background

Structure Sampling

- A total of 62 structures were sampled as part of the investigation program
- Structures included:
 - 57 residential structures
 - 5 commercial buildings

Structure Sampling

- 68 sub-slab soil gas samples
- 120 indoor air samples
- 56 ambient or outside air samples collected from private properties

Structure Sample Results

- Only 12 structures had a positive detection of a site-related VOC
- One ambient air sample contained a detectable concentration of a site-related VOC

NYSDOH Guideline Value

- NYSDOH guideline value for TCE in air = 5 micrograms per cubic meter of air
- This guideline value is lower than levels that have caused health affects in animals and humans exposed over their lifetimes.

NYSDOH Guideline Value

- No indoor air sample results from residential structures exceeded the TCE guideline value.
- Two indoor air samples results collected from commercial structures slightly exceeded the TCE guideline value.

Finding

- The geographic distribution of TCE concentrations in sub-slab samples was similar to the distribution of TCE in the groundwater plume

Area Delineated for Mitigation

Properties on:

- eastern part of Park Ave
- Stevens Lane, Hillview Ave, Bascom Drive
- Griffen Ave, excluding southwest portion
- Upper Broadway south of GE and north of W. Summit
- north side of W. Summit Street

Delineation

- The area where mitigation is offered was determined primarily based on soil vapor survey results
- Groundwater and sub-slab soil gas sample results were used to support and confirm the boundaries of the final delineated area
- Property owners within the final delineated area were offered mitigation earlier this year

Delineation

- The entire area over the soil vapor plume is within the final delineated area

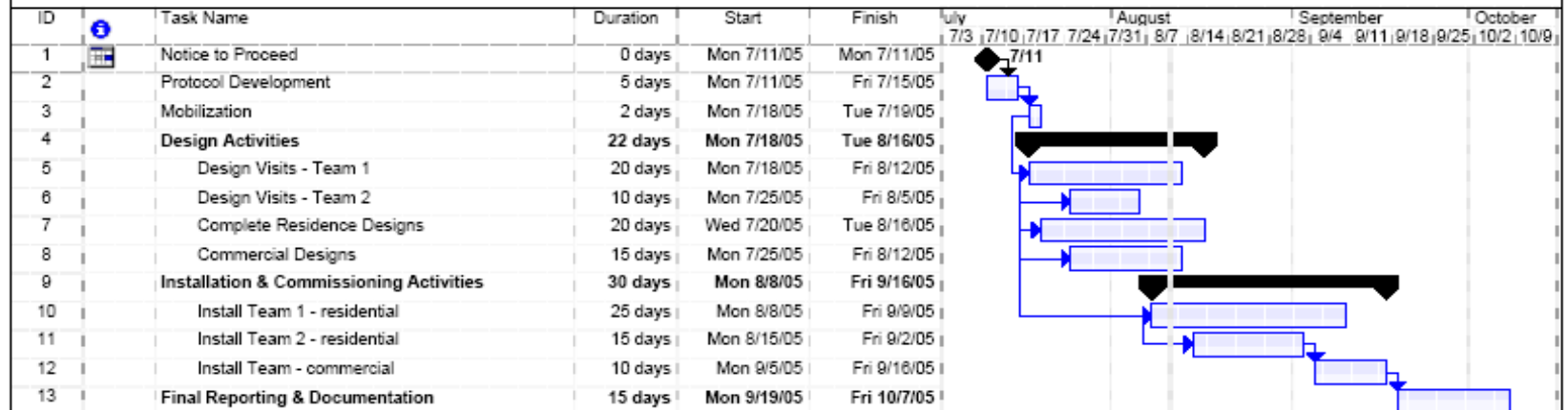
Fuel-related soil vapor plume

- In the course of the investigation, fuel-related compounds were found in soil vapor along the eastern portion of the study area
- This fuel plume will be investigated by NYSDEC under the oil spills program

Mitigation Schedule

FIGURE 5-1

Ventilation System Design and Installation Schedule



Project: install.mpp
Date: Thu 8/11/05

Task

Split

Progress

Milestone

Summary

Project Summary

External Tasks

External Milestone

Deadline

Mitigation Progress

- A total of 79 structures are within the delineated area; 76 residential / 3 commercial
- As of 9/6/05, a total of 40 offers for mitigation have been accepted
- As of 9/1/05, a total of 19 mitigation systems have been installed; 9 scheduled for this week

Mitigation

- NYSDOH and NYSDEC strongly advise all property owners to accept the offers for mitigation systems to abate the potential for exposure

Mitigation Systems

- Installation of a mitigation system will be completely paid for by GE
- Electricity costs will also be paid for by GE
- Mitigation systems will also protect the residents from radon and from other potential contaminants in the subsurface

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