

*Progress Update
SFPP Remediation Efforts*

Norwalk Tank Farm Cleanup

*Presented to the Norwalk RAB
June 26th, 1997*



OCCS Update

- ◆ *3rd Draft Complete*
- ◆ *Distribute to OCCS tonight*
- ◆ *Finalize OCCS meeting in mid July ?*



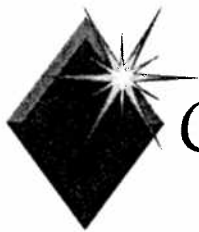
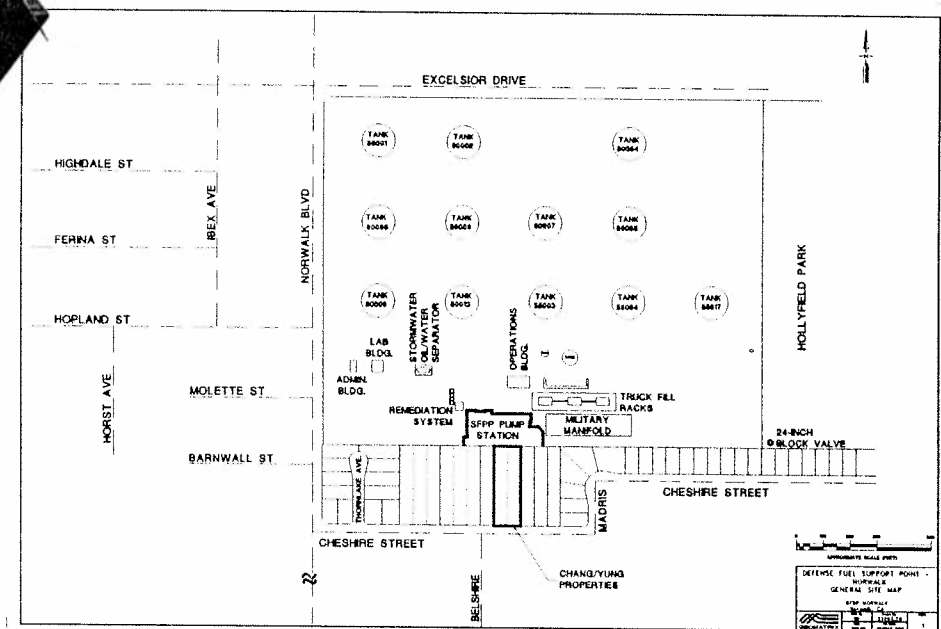
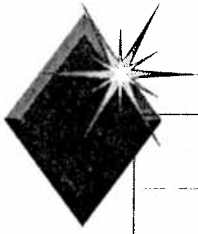
OCCS Update-Proposed Review Process

- ◆ *RAB Reviews in August, 1997*
- ◆ *Incorporate RAB Comments (meeting or written/verbal ?)*
- ◆ *Revise & present to City of Norwalk & Community*
- ◆ *After wide approval process, implement planned work.*



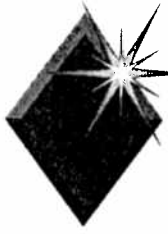
Chang Property Update

- ◆ *Got Access to Chang Property*
- ◆ *City of Norwalk had consultant do third party health risk assessment*
- ◆ *Results not final, but they are similar to SFPP/DFSC results-No Significant Risk*
- ◆ *Confirmed models with actual samples & analysis*



Chang Property Update

- ◆ *Excellent News, vaildates our work*
- ◆ *Sets good precedent for rest of affected area*
- ◆ *Hope this will allow city to remove any permitting burdens that reamain for properties in this area*
- ◆ *SFP drilled new cleanup wells last week*
- ◆ *Hook into system by mid July, 1997*

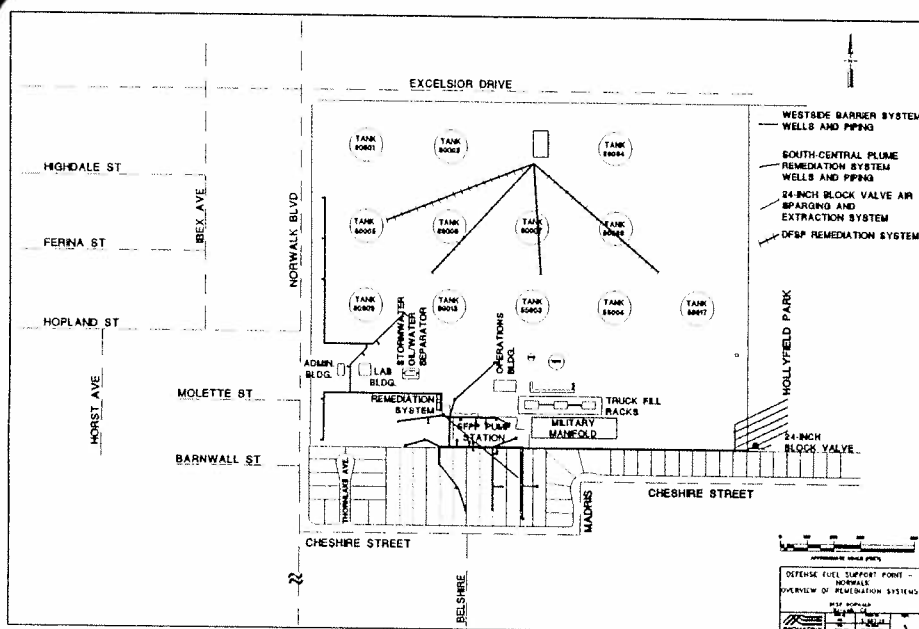


Onsite Cleanup- SCP/WSB/24" Valve

- ◆ SCP cleanup system operational Sept. 1995
- ◆ Continues to operate very effectively
- ◆ System includes vapor extraction & liquids pumping and air sparging
- ◆ WSB operating in October 1996
- ◆ 24" valve system online in April, 1997



Map of Current Cleanup Systems





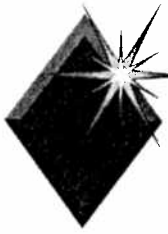
SUMMARY OF REMEDIATION PROGRESS-VAPOR EXTRACTION

- ◆ *System has operated 10200 hours since startup*
- ◆ *20 Vapor extraction wells online and in use*
- ◆ *2 New offsite vapor and product extraction wells drilled, to go online in July (Chang Property)*
- ◆ *Approximately 155,000 gallons of fuel removed from soil and destroyed*
- ◆ *Approximately 20,000 gallons of fuel removed since March RAB meeting*



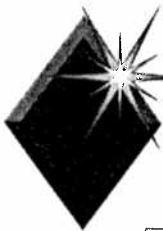
SUMMARY OF REMEDIATION PROGRESS-LIQUIDS PUMPING

- ◆ *6 Product/groundwater extraction wells online in South/Central Plume area*
- ◆ *9 West Side Barrier wells operating*
- ◆ *Approximately 7 million gallons of water pumped and treated (2.6 million gallons since March RAB meeting)*
- ◆ *Approximately 6,500 gallons of liquid fuel recovered*
- ◆ *Approximately 1100 gallons of liquid fuel recovered since March RAB meeting*

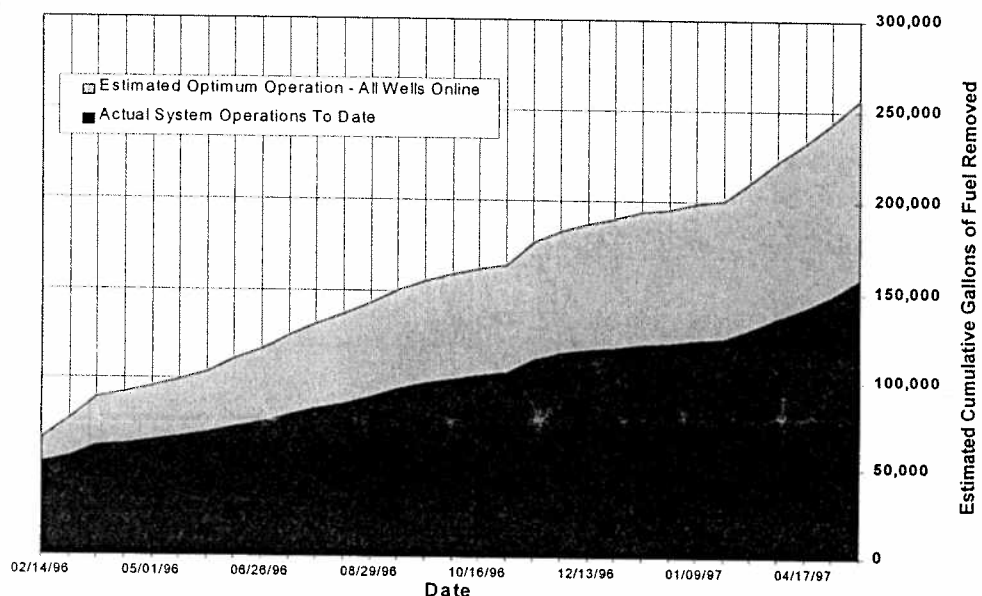


SUMMARY OF REMEDIATION PROGRESS-24" VALVE AREA

- ◆ *30 air sparging points*
- ◆ *8 vapor extraction wells*
- ◆ *1 product extraction well online and operating*
- ◆ *Working well*
- ◆ *To be confirmed with groundwater sampling soon*

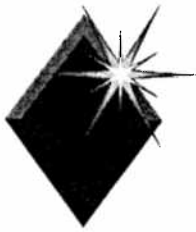
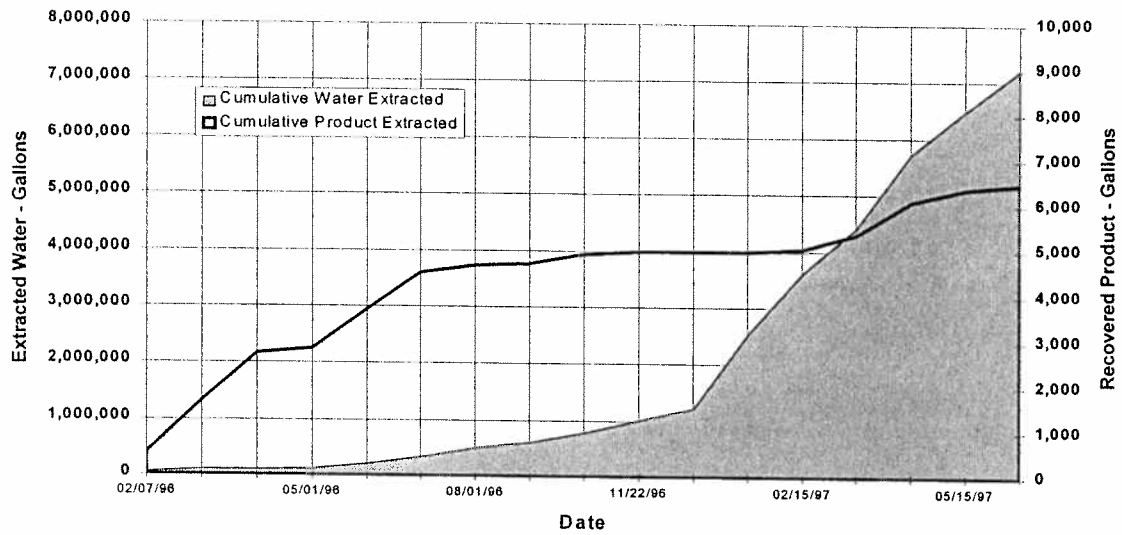


SOUTH CENTRAL PLUME SUMMARY OF VAPOR PHASE EXTRACTION OPERATIONS





SUMMARY OF LIQUID PHASE PRODUCT RECOVERY SYSTEM OPERATIONS



◆ *Questions ??*