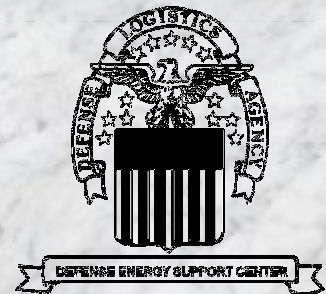


Norwalk Tank Farm Update

*Defense Energy Support Center-
Americas West
Norwalk Tank Farm
Restoration Advisory Board*

October 28, 2004



Presentation Overview

Topics to be Covered

- Central plume remediation system update
- Tank farm remedial activities
- Sidewalk clearing and tree trimming

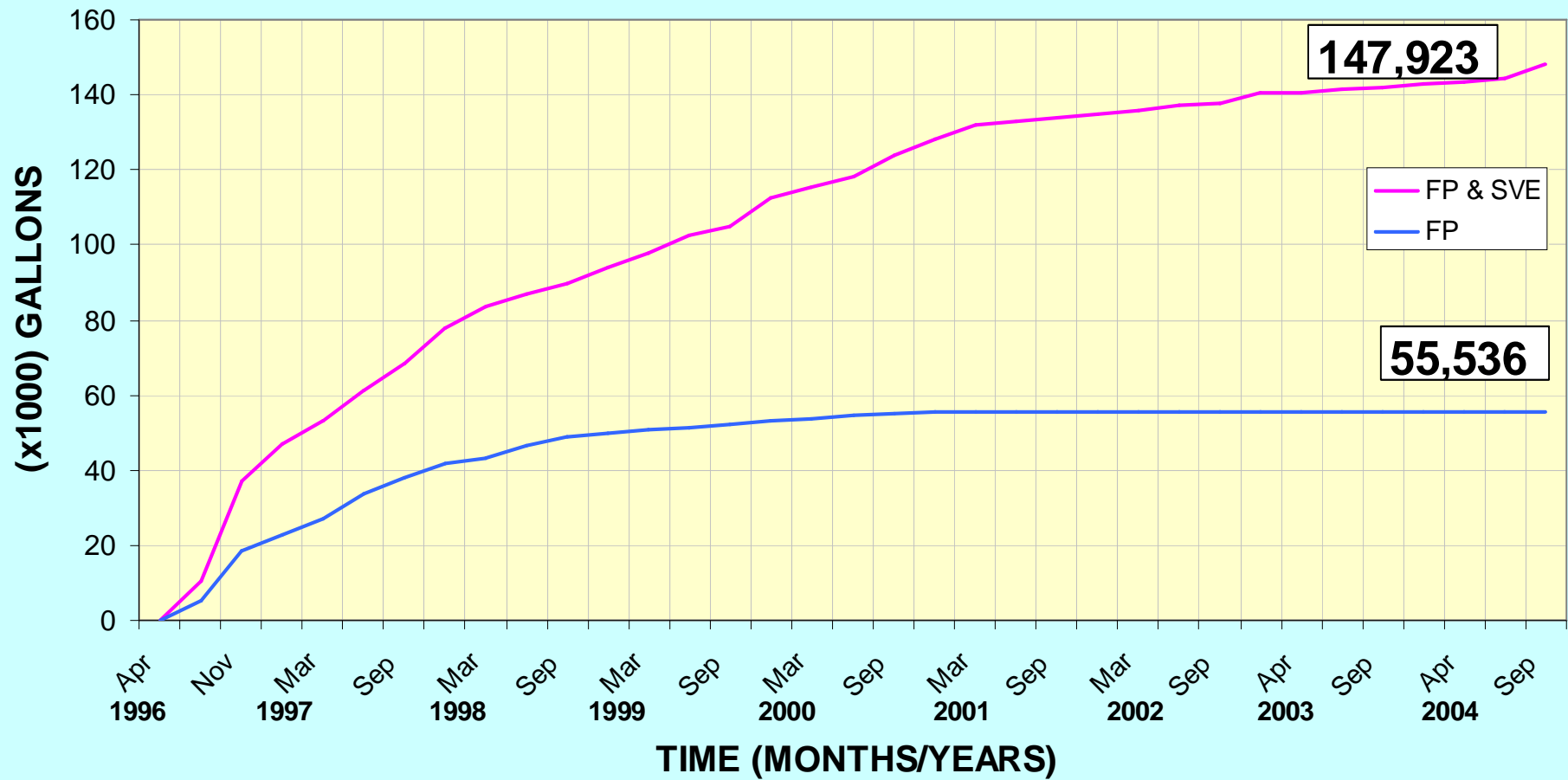
Central Plume Remediation

- System Performance Third Quarter 2004
 - Total Hydrocarbons Mass Removed:
6,221 gallons
 - Approx. 3,525 gallons recycled and destroyed
 - 0 gallons of free product recovered
 - 3,525 gallons of volatile hydrocarbons recovered through soil vapor extraction
 - 0.04 gallon of dissolved phase hydrocarbons recovered
 - Estimated 2,696 gallons of hydrocarbons destroyed due to enhanced biodegradation
 - 60,088 gallons of water treated

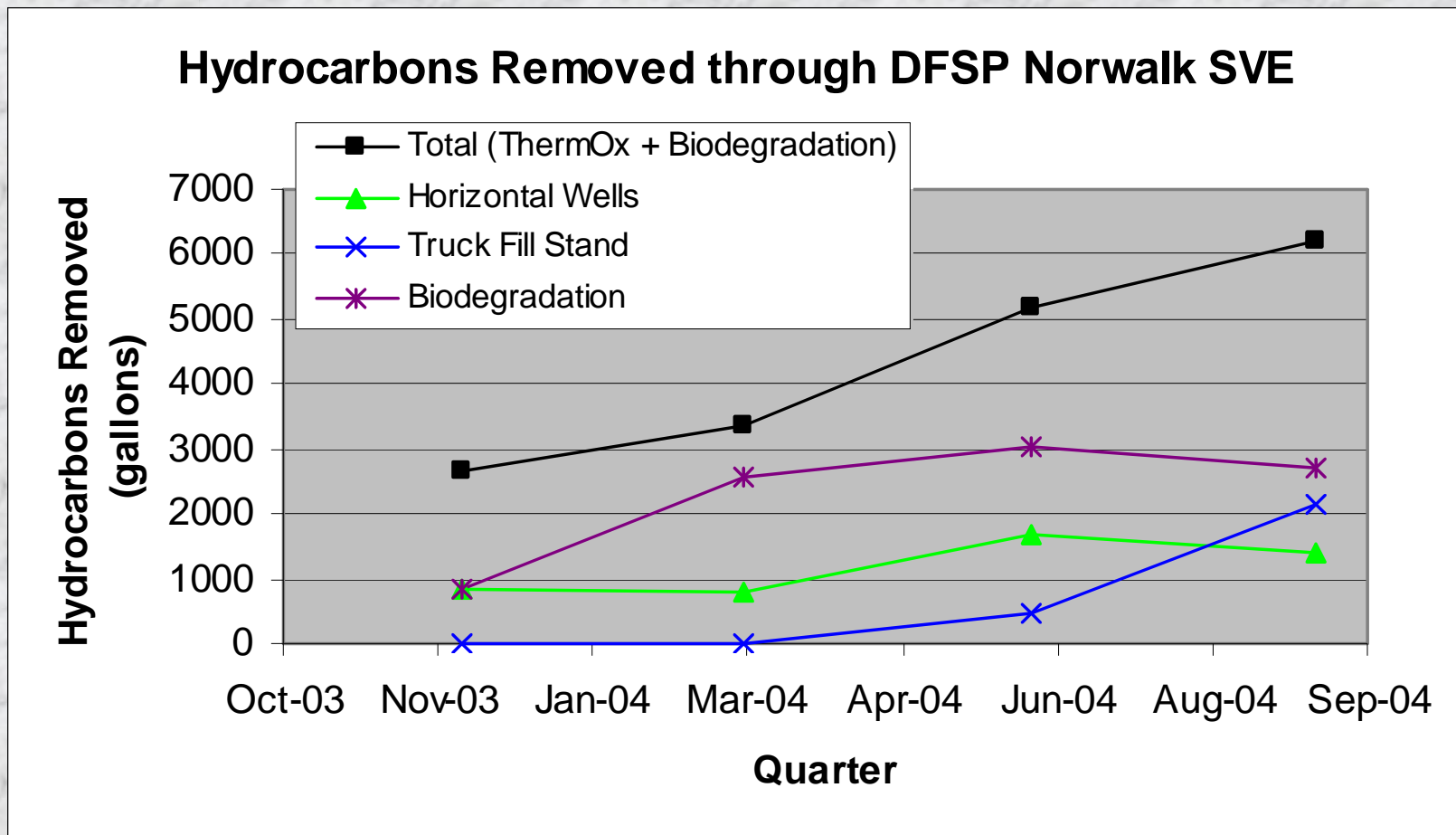
Central Plume Remediation

- System Performance since April 1996
 - Total Hydrocarbons Mass Removed:
271,550 gallons
 - Approx. 147,923 gallons recycled and destroyed
 - 55,536 gallons of free product recovered
 - 90,990 gallons of volatile hydrocarbons recovered through soil vapor extraction
 - 1,397.1 gallons of dissolved phase hydrocarbons recovered
 - Estimated 123,627 gallons of hydrocarbons destroyed due to enhanced biodegradation
 - 42.2 M gallons of water treated

HYDROCARBONS & FREE PRODUCT-CENTRAL PLUME



SVE Hydrocarbon Removal



Tank Farm Remedial Activities

- Installed 10 new biosparging points
- Installed 12 vertical vapor extraction wells (VEWs) in and around aboveground storage tanks
- VEW system connections will be completed in November

Tank Farm VEW Connections



Sidewalk Obstructions Cleared



Sidewalk Cleared



Tree Trimming

