

DFSP NORWALK

**Facilities Planning, Construction and Management
Defense Logistics Agency - Energy Update**

August 28, 2014

DLA-Energy Update

- ◆ **Introduction of The Source Group, Inc.**
 - **Signal Hill, California Office**
 - **SGI Personnel – Long-Term DFSP Norwalk Experience**
- ◆ **DLA-Energy Environmental Managers**
 - **Everett Bole, Fort Belvoir, Virginia**
 - **Stuart Strum, San Pedro, California**

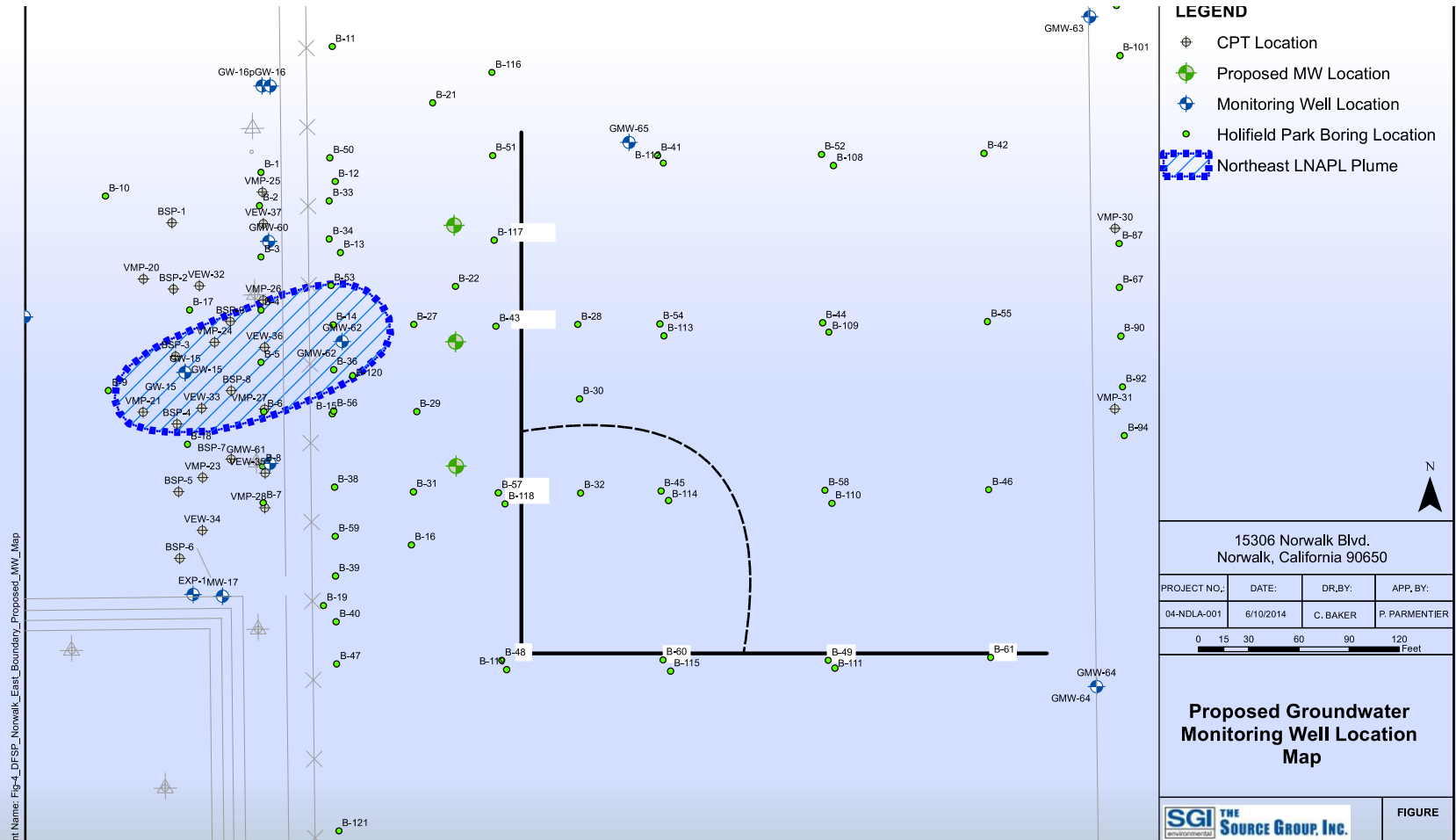
Status of Remediation System

- ◆ **Status of Remediation System**
 - **Groundwater Remediation**
 - **SVE System**
 - **Evaluating Re-injection of Treated Groundwater**
 - ❖ **Benefits:**
 - **Returns water to shallow aquifer**
 - **Oxygenated water will enhance bioactivity**

Work Plan for Assessment at GMW-62

- ◆ Evaluate Occurrence of Free Product
 - RWQCB Requirement
 - Objective is to:
 - ❖ Determine Distribution of Free Product & Evaluate Migration Pathways
 - ❖ Expand Free Product Recovery Efforts, if warranted
 - Three Wells Proposed on Holifield Park:

Work Plan for Assessment at GMW-62



nt Name: Fig_4_DFSP_Norwalk_East_Boundary_Proposed_MW_Map

Work Plan for Assessment at GMW-62

- ◆ **Evaluate Occurrence of Free Product**
 - **Work Plan Submitted June 26, 2014**
 - **RWQCB Provided Comments July 25, 2014**
 - **Revised Work Plan Submitted August 8, 2014**
 - **Work Plan Approval, Access to Park, and Funding in Progress**
 - **Field Work Expected September 2014**

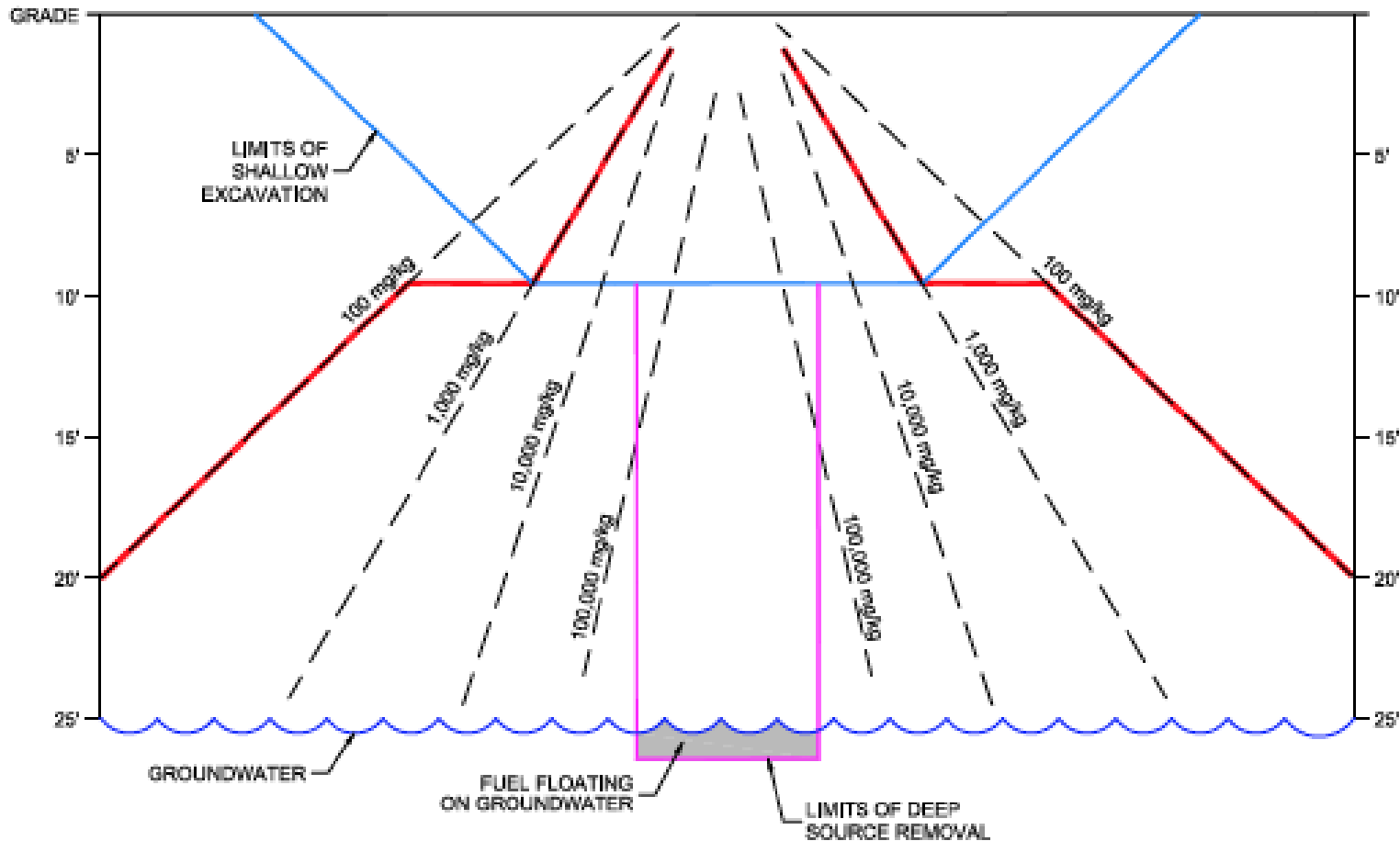
Soil Remediation – Site Wide



Soil Remediation:

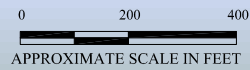
- Expanding on Work Described in Parson's RWQCB Approved Conceptual Site Model
- Refined Areas of Shallow (0 to 10 feet) and Deep Soil (> 10 feet) Contamination
- Will Include Treatment of Shallow "Oily Sand" Present Near Former Clarifier

Soil and Groundwater Treatment





SOIL 10' - 15' (21,400 YDS³)





SOIL 15' - 25' (53,000 YDS³)



Soil Remediation – Site Wide

Conducted Remedial Approach Screening w/ Goal:

- **Ready Site for Conveyance to City for Use as Parkland and Remaining Land to GSA for Future Redevelopment**
- **Accelerate Groundwater Remediation**
- **Minimize Impact to the Norwalk Community**
- **Reduce Greenhouse Gas Emissions**
- **Address Groundwater Contamination Underlying Holifield Park in Northeast Corner**

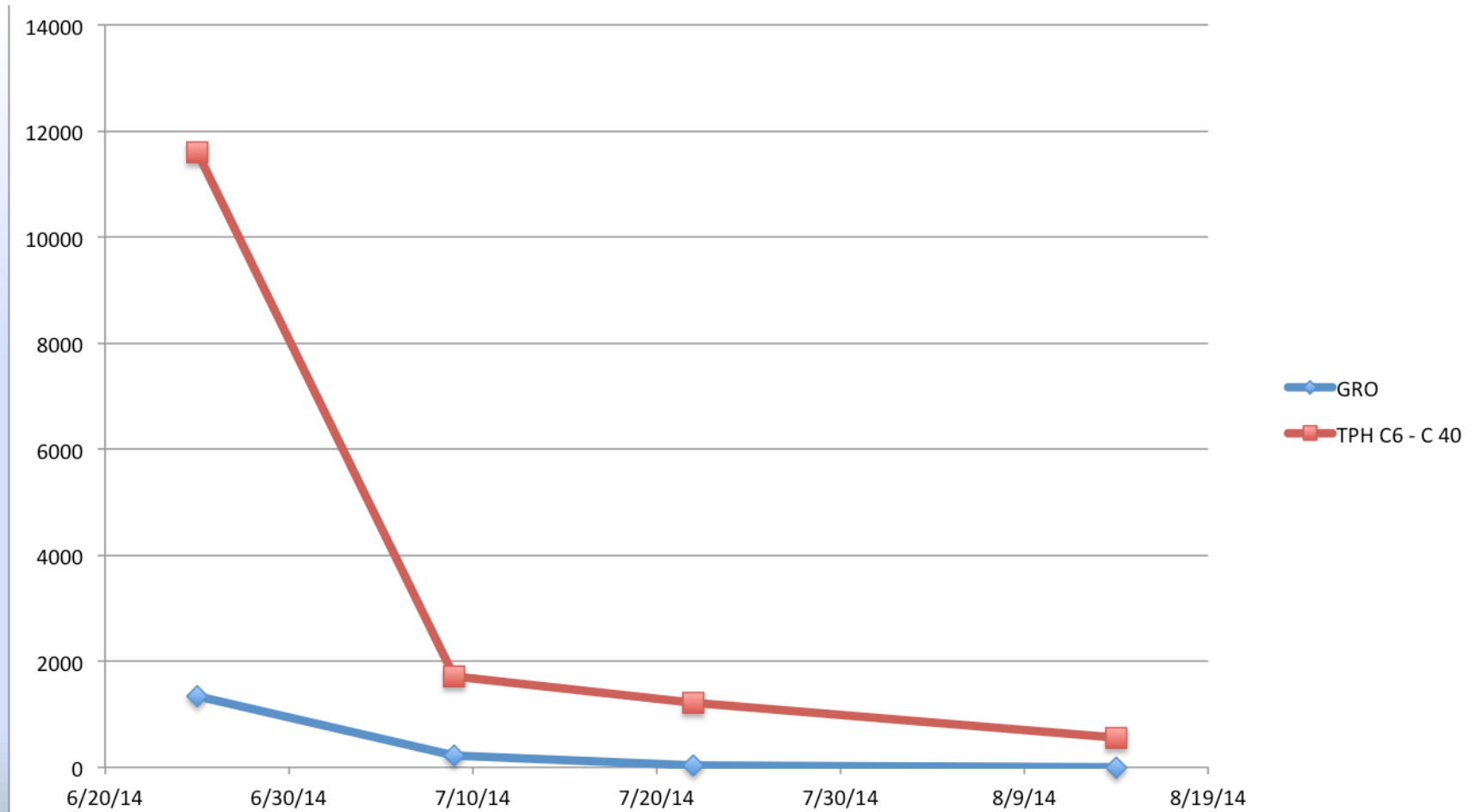
Candidate Soil Treatment Options – Transport and Disposal



Candidate Soil Treatment Options – On-Site: Thermal Desorption



Candidate Soil Treatment Options – On-site SVE & Bioenhanced Treatment



Soil Remediation – Site Wide

- ◆ **Selected Approach: Biologic and Desorption – Minimal Trucking of Soil**
- ◆ **Congresswoman Sanchez and City of Norwalk Briefing Hosted by Air Force on August 12, 2014**
- ◆ **Project Funding has been Reserved by DLA**
- ◆ **Project Contracting in Progress**
- ◆ **Project Execution Documents in Preparation**

Soil Remediation – Site Wide



Next Steps:

- **Meet with City of Norwalk**
- **Permitting through SCAQMD and RWQCB**
- **Project Start in Fall of 2014 – Initial Focus will be 15 Acres Proposed for City Park**
- **Soil Treatment Completion in Fall of 2015**
- **Groundwater ISCO Pilot Testing in 2015**
- **Expanded Groundwater Treatment early 2016**

DLA Update

- Questions and Discussion