



## First Meeting of the Offsite Chemicals Cleanup Subcommittee (OCCS)

*Norwalk Tank Farm Cleanup*

*Presented to the OCCS  
October 17, 1996*

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## Goals of first OCCS Meeting

- ◆ *Introduce academia members to OCCS*
- ◆ *Outline OCCS's mission*
- ◆ *Review site history with academia members*
- ◆ *Prepare conceptual outline of OCCS tasks*
- ◆ *Site tour for academia members*

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## Introduction of OCCS Members

- ◆ *RP's-DFOLA & SFPP, L.P.*
- ◆ *DFOLA is part of DLA/DOD*
- ◆ *Responsible for all military fuel supplies*
- ◆ *Lt. Colonel Gross & Joe Trani are primary contacts*
- ◆ *SFPP, L.P. is a publicly traded utility co.*
- ◆ *Primary products pipeline in western U.S.*
- ◆ *Comments by DFOLA & SFPP*

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 *Anticipated Roles of OCCS Members*

- ◆ *Work products drafted by RP's & our consultants*
- ◆ *Community members & academia are reviewers who ensure that community concerns are incorporated & that methods are scientifically sound*
- ◆ *Regulatory agencies also review for technical accuracy & see regulatory needs are met*
- ◆ *We believe this process is a fair for RAB/Community & will ensure credibility of findings & recommended actions*

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 *Introduction of OCCS Members (cont'd)*

- ◆ *Government Agencies*
- ◆ *State-Regional Water Quality Control Board-Los Angeles Region (RWQCB)*
- ◆ *Primary contacts-Hugh Marley & Wendy Phillips*
- ◆ *State-Cal EPA Dept. of Toxics Substances Control (DTSC)*
- ◆ *Primary contact-Omo Patrick*
- ◆ *Comments by RWQCB & DTSC ?*

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 *Introduction of OCCS Members (cont'd)*

- ◆ *Community members*
- ◆ *Dr. Gene Garcia*
- ◆ *Mr. Bill Miller*
- ◆ *Both voted by members of the RAB to represent community in OCCS*
- ◆ *Comments by Gene & Bill ?*

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 *Introduction of OCCS  
Members (cont'd)*

- ◆ *Consultant members*
- ◆ *For DFOLA-GTI & WCFS*
- ◆ *GTI-Neil Irish & Dan Swensson*
- ◆ *WCFS-Tim Whyte*
- ◆ *Comments by GTI & WCFS ?*

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 *Introduction of OCCS  
Members (cont'd)*

- ◆ *Consultant members*
- ◆ *For SFPP, L.P.-Geomatrix SOMA*
- ◆ *Geomatrix-Tony Daus & Don Sandstrom*
- ◆ *SOMA-Mansour Sepehr*
- ◆ *Comments by Geomatrix & SOMA ?*

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 *Mission of OCCS-RP' s  
Perspective*

- ◆ *Cleanup & closure of western offsite DCA & MTBE groundwater plumes*
- ◆ *Use risk based corrective action process (RBCA)*
- ◆ *RBCA process will consider both regulatory & political issues*
- ◆ *Openness, community/regulatory involvement and education along the way will result in "buy-in & buy-off" of OCCS findings & recommendations*

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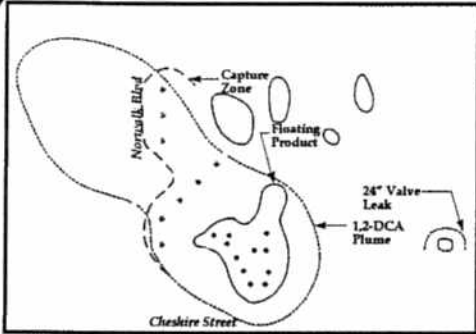
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**Map of Major Plumes**  
DFSC/SFPP Norwalk Facility




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**Why Use a RBCA Cleanup Process ?**

- ◆ Infeasible to clean up DCA to MCL of 0.5 ppb
- ◆ Most of contamination mass still onsite
- ◆ West side barrier system will stop offsite plume mass increase
- ◆ RBCA plan approved by RAB in July, 1996

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**Distribution of 1,2-DCA Mass in Groundwater**

- ◆ Est. Total 1,2-DCA Mass in GW:  
-Approx. 106.78 pound
- ◆ ON-SITE: 72.26 lb
- ◆ OFF-SITE: 34.52 lb




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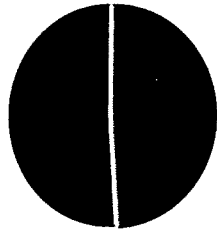
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 *Estimated Volume of DCA  
Affected Groundwater*

- ◆ *Onsite + Offsite*  
*Approx. 84,600,000 Gallons*
- ◆ *ON-SITE:*  
*Approx. 43,300,000 Gallons*
- ◆ *OFF-SITE:*  
*Approx. 41,300,000 Gallons*



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 *Why Cant We Clean up DCA  
to MCL ?*

- ◆ *MCL is so low (Detection Level) 0.5 ppb*
- ◆ *Technically infeasible with current technologies*
- ◆ *Base cleanup level on Health Risk, then back calculate acceptable cleanup level*

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 *Proposed RBCA Process*

- ◆ *Model DCA plume movement with/without remedial action*
- ◆ *Predict if plume becomes stable or continues to spread*
- ◆ *Conduct additional public health risk assessment*
- ◆ *Define clean up levels*

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## *Proposed RBCA Process (Cont'd)*

- ◆ *Risk level drives cleanup level*
- ◆ *Cleanup technologies selected based upon cleanup level & feasibility*
- ◆ *Technologies may include, Intrinsic Bioremediation, horizontal pumping wells, air sparging, oxygen addition, In-Situ Bio or other innovative technologies*
- ◆ *Work may include pilot tests of new/proven technologies*

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## *Ultimate Goals of This RBCA Process*

- ◆ *Clean up of off-site DCA plume to an acceptable level*
- ◆ *Receive a "no further action letter" from RWQCB/DTSC*
- ◆ *All parties involved have confidence in methods used & cleanup results*

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## *How Will this be Achieved*

- ◆ *A joint forum including community, regulators, academia & the RP's*
- ◆ *All parties buy into plan at beginning rather than trying to convince them at the end of the process*
- ◆ *Community involvement will ensure that non-regulatory issues are addressed in the process*
- ◆ *Presents a great opportunity to all parties to overcome the problem via a credible & sound process that will be an example for other sites*

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*Mission of OCCS-  
Community Perspective*

- ◆ *Gene Garcia & Bill Miller will address the OCCS*

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*Mission of OCCS-Regulatory  
Agency Perspective*

- ◆ *Hugh Marley will address the OCCS*

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*Site History Review*

- ◆ *Brief Facility History-Joe Trani DFOLA*
- ◆ *Brief Facility History-Tom Danaher-SFPP*
- ◆ *Investigation & Cleanup-GTI for DFOLA*
- ◆ *Inspection & Cleanup-Geomatrix for SFPP*

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## *Conceptual Outline of First Major OCCS Task*

- ◆ *First work product will be a RBCA Workplan*
- ◆ *Scope of workplan to be developed by RP's*
- ◆ *Draft outline shared with OCCS prior to 1st Draft*
- ◆ *First draft prepared for OCCS review & comment*
- ◆ *Revised workplan submitted to RWQCB/DTSC/RAB for official approval*

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## *Tasks to be Completed by Next Meeting*

- ◆ *RP's draft RBCA workplan outline*
- ◆ *Outline discussed in conference bi-weekly conf. call*
- ◆ *Propose 10/31/96 at 10.00 am to 11.00 am ?*
- ◆ *Have draft workplan for review by next OCCS Meeting (11/21/96 ?)*
- ◆ *Once draft workplan OK'ed by OCCS, scope will be defined, can draw up detailed calendar schedule for OCCS*

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*Questions ??????*

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