

Stratford Army Engine Plant
Restoration Advisory Board (RAB)
Meeting August 5, 1999

The Stratford Army Engine Plant (SAEP) which is proceeding with closure action under provisions of the Base Realignment and Closure Act (BRAC) of 1995 will hold a Restoration Advisory Board (RAB) on August 5, 1999 at 7p.m. in Room 22, Stratford Army Engine Plant. The meeting is open to the public. Parking is in the West Lot and entry through the main guard station.

Stratford Army Engine Plant
Restoration Advisory Board (RAB)
Meeting August 5, 1999

AGENDA

1. Welcome, opening remarks, introductions, announcements, old business.
2. Discussion regarding reuse of installation by LRA Representative
3. Update on Ground Water Response Action by HLA
4. Update on Progress of RI/FS by URS Greiner Woodward Clyde
5. Open forum, next meeting, adjourn.

For additional information call the SAEP BRAC office (John Burleson) at 385-4316 or Margarita Hartley Moore, RAB Community Co-Chairperson at Redacted - Privacy Act.

RAB MEETING - AUGUST 5, 1999

SIGN-IN SHEET

Pod Pendleton	Harding Lawson Assoc.	(207) 828-3605
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JAY BORKLAND	FOSTER WHEELER	(617) 457-8265
Karen Arnold	Harding Lawson	207-828-3559
Ken Feathers	CT DEP.	860 424 3770
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STAN SILVERSTEIN	RAB COMM-TEE	Redacted - Privacy Act
JIM OTTO	RAB	Redacted - Privacy Act
Fred Hyatt	BTC Army/OSD	203 385-4314
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Marcia Stewart	PYE	Redacted - Privacy Act
Debbie Gallo	Recording Secretary	

STRATFORD ARMY ENGINE PLANT (SAEP)
RESTORATION ADVISORY BOARD (RAB)

MEETING MINUTES

August 5, 1999

The SAEP Restoration Advisory Board conducted a Regular Meeting on Thursday, August 5, 1999 at 7:00 p.m. in Room 22 of the Stratford Army Engine Plant, 550 Main St., Stratford, pursuant to notice duly given.

Call to Order: The meeting was called to order at 7:05 p.m.

Presiding: John Burleson, Community Co-Chairman

In Attendance: J. Otto, M. Stewart, S. Silverstein,

Members Absent: J. Carlucci, E. O'Keefe, P. Katz, L. Perlmutter, J. Terceno, F. Gerarden, A. deMello

Others in Attendance: F. Hyatt, J. Frye, K. Feathers, B. Shields, B. Wolff, R. Pendleton, K. Arnold, N. Walter, R. Norris (SAEP-LRA Proj. Coord.), M. McGill (URSGWC), J. Borkland (Foster Wheeler), P. Muniz (CYN)

1. Welcome, Opening Remarks, Introductions, Announcements, Old Business:

a) J. Burleson introduced the following:

°Jay Borklund of Foster Wheeler

°Mike McGill of URS Greiner/Woodward Clyde

°Rick Norris of Stratford LRA Planning Advisory Committee

2. Reuse of installation by LRA representative: R. Norris reviewed status of BRAC process, as follows.

°Public Benefit Conveyance applications for waterfront/greenway, aerospace museum/hall of fame.

°Economic Development Conveyance application for remainder of site.

°Interim lease interests other than current lessees (Index Corp. and W.B. Meyer).

°Preferred developer selected by LRA (Stratford Town Council).

3. Groundwater Response Action by HLA: representatives presented project status updates covering the following:

°Chromium Plating Facility Investigation

°OU-2 Groundwater Non-Time Critical Removal Action

°Causeway and Dike Non-Time Critical Removal Action

°Community Relations Plan

°Geographic Information System

4. Progress of RI/FS by URS Greiner Woodward Clyde: representative presented update of on-going activities-remedial investigation, as presented to the BCT on 8/5/99. Discussion followed regarding:

°Soil Characterization Results

°Direct Push Groundwater Sample Results

°Preliminary Tidal Study Data

°Seepage Meter Pilot Study

Groundwater samplings sent to lab for analysis (data should be available for next meeting).

K. Arnold distributed copies of draft Community Relations Plan, and comments are requested by 8/20 to D. Bossio at SAEP (Rm. 30).


N. Walter presented review of objectives and components for causeway and dike NCRA.

5. Open Forum, Next Meeting, Adjournment:

- a) Next Meeting - 10/7/99.
- b) There being no further business, the meeting adjourned at 8:17 p.m.

Respectfully submitted,

Debbie Gallo
Debbie Gallo, Recording Secretary

 **Project Status
Updates**
STRATFORD ARMY ENGINE PLANT

Harding Lawson Associates
and Foster Wheeler
August 5, 1999

HLA/Foster Wheeler Projects at SAEP

- Chromium Plating Facility Investigation
- OU 2 - Groundwater Non-Time Critical Removal Action
- Causeway and Dike Non-Time Critical Removal Action
- Community Relations Plan
- Geographic Information System

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Chromium Plating Facility Investigation

- Investigations of the Chromium Plating Facility conducted for TACOM under HLA's contract with AlliedSignal
- Activities from August 1998 through April 1999 included:
 - preliminary decontamination of the Chromium Plating Facility,
 - delineation of the groundwater hexavalent chromium plume, and
 - characterization of the VOC groundwater plumes beneath the facility

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Chromium Plating Facility Inv. (cont.)

- In May 1999, an investigation to further delineate the VOC groundwater contamination was conducted with a cone penetrometer, which was capable of penetrating denser geologic formations than the previous GeoProbe Investigations
- 18 cone penetrometer explorations (depths up to 158 feet bgs) were conducted to obtain geologic information and groundwater samples for VOC analysis
- Geologic information will be used to further refine the geologic conceptual model for the site, and will be used in the groundwater flow model being created by the USACE New England District

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Chromium Plating Facility Inv. (cont.)

- Results of groundwater sample analyses:
 - The extent of groundwater VOC contamination on the north end of the facility has been delineated
 - Acquired additional groundwater VOC data in West Parking Lot to complement URSGWC GeoProbe and monitoring well data
 - Significant VOC contamination in the center of Building B-2 (exploration CP-99-08):
 - 32-34 ft bgs: 1,1,1-TCA >280,000 ppb, TCE 28,000 ppb
 - 60-100 ft bgs: 1,1,1-TCA <200 ppb, TCE <200 ppb
 - 133-158 ft bgs: 1,1,1-TCA >180,000 ppb, TCE >19,000 ppb

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Chromium Plating Facility Inv. (cont.)

- Data from cone penetrometer investigations will be presented in the Draft Pre-Design Investigation Report to be issued in early October 1999
- Cone penetrometer investigations conclude work under the AlliedSignal contract

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OU 2 - Groundwater NCRA

- **The OU 2 - Groundwater Non-Time Critical Removal Action (NCRA) contract was issued to Foster Wheeler (Boston, MA) and HLA in early June 1999**
- **The OU 2 NCRA is designed to continue investigations conducted under the AlliedSignal contract**
- **The objective of the OU 2 NCRA is to further characterize site conditions and provide a recommended removal action(s) to address groundwater contamination by VOCs and hexavalent chromium**

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OU 2 - Groundwater NCRA (cont.)

- **Components of the OU 2 NCRA include:**
 - **Work Plans (Draft Issued to regulatory agencies on July 12, 1999)**
 - **Evaluation of Treatment Technologies and Bench-Scale Testing Memorandum (Draft Issued to regulatory agencies in late July 1999)**
 - **Additional Field Investigations:**
 - **Soil Vapor Survey to evaluate potential impacts of VOCs in groundwater on indoor air quality (initiated August 4)**
 - **Soil Borings in areas of high VOC and hexavalent chromium contamination in Chromium Plating Facility (to begin August 16)**

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OU 2 - Groundwater NCRA (cont.)

- **Additional Field Investigations (cont.)**
 - **Bench-Scale Tests on contaminated soil/groundwater to evaluate potential soil/groundwater contaminant in-situ removal alternatives (to begin August 16)**
 - **Installation of extraction well and piezometers for Aquifer Tests**
 - **Aquifer Tests (to begin August 30) to assess hydraulic properties of the aquifer for proposed future Pilot Tests**
 - **Seismic Survey (in early September) to assess bedrock depths and their potential impacts on VOC migration in groundwater**

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GIS System

- **Placement of chemical and physical information in GIS database,**
- **Maintenance of database**
- **Request for Proposal from USACE-Baltimore anticipated week of August 2, 1999**
- **Contract award anticipated by late September**

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8/99

URS GREINER WOODWARD CLYDE

**Update of On-going Activities
Remedial Investigation
Stratford Army Engine Plant
Stratford, Connecticut**

Presented to

Base Closure Team
August 5, 1999

Discussion Items

- I. Soil Characterization Results
- II. Direct Push Groundwater Sample Results
- III. Preliminary Tidal Study Data
- IV. Seepage Meter Pilot Study

Summary of Soil Characterization

Metals

- Arsenic exceedances
- Indigenous to region?

Summary of Soil Characterization

Volatile and Semi-volatile Organics

- South Parking Lot – PAH exceedances
- Building 17 – Chlorinated solvent exceedances
- East of Building 19 – Chlorinated solvent exceedances
- Vicinity of Buildings 37 and 38 – Chlorinated solvent, BTEX, and PCB 1260 exceedances

Summary of Soil Characterization

Volatile and Semi-volatile Organics

- Building 32 and 13 – PAH exceedances
- Building 15 – TCE exceedance above Direct Exposure

Criteria

- Building B2 near Area 12C – No exceedance
- Near Building 16 – Benzene exceedance

Summary of Direct Push Groundwater Results

West Parking Lot

- 1,1- Dichloroethene exceedances
- Tetrachloroethene exceedances
- Vinyl Chloride exceedances
- Further off-site investigation required

Summary of Direct Push Groundwater Results

Building 3

- No hexavalent chromium detected
- 1,1 – Dichloroethene and Tetrachloroethene exceedances
- Present predominately in 30 to 40 below ground surface interval

Summary of Direct Push Groundwater Results

Berm

- Metals exceedances
- Volatile organics exceedances
- Boring DP2-4 detected with highest volatile organic concentrations at 35 to 45 below ground surface interval

Summary of Direct Push Groundwater Results

South Parking Lot

- Volatile organic exceedances
- Predominately 1,1 – Dichloroethene
- Contamination present at different vertical intervals

Summary of Direct Push Groundwater Results

Building 19

- Volatile organic exceedances

Summary of Direct Push Groundwater Results

Former Tank Farm

- Volatile organic exceedances
- Concentration in ppm range

Tidal Study

- Initiated on July 20, 1999
- Total of 38 monitoring wells and 3 stilling wells (Frash Pond, Housatonic River, and Drainage Channel)
- 18 wells monitored for 1 week
- 20 wells and 3 stilling wells monitored for four weeks

Tidal Study

Preliminary Findings

- Ground water fluctuation greatest near river
- Tidal effects diminish with distance from river
- Tidal influence not affected by monitoring well depth

Seepage Meter Pilot Study

- Four seepage meters (SM-1 through SM-4) installed in mudflats
- Seepage meter sample water and river water field chemistries are similar