N00236.001833
ALAMEDA POINT
SSIC NO. 5090.3

May 13, 2004

MEMORANDUM

From: BRAC Operations, NAVFAC, EFDSW (06CA.LO)

Subj: PROGRESS REPORT, N62474-98-D-2076/114, RCRA REMOVAL ACTIONS, IWTP 25 AND 32, ALAMEDA POINT, ALAMEDA, CALIFORNIA

Encl: (1) Progress Report #2 – April 2004

Enclosure (1) is forwarded for your information.

Should you have any questions, please contact Mr. Dan Shafer at 916- 565-4328, or me at 619-532-0969.

LOU A. OCAMPO

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1. Dean Wright, DTSC, Sacramento
2. Sal Circiello, DTSC, Berkeley
3. Peter Russell, consultant City of Alameda
4. Doug Delong, Navy Field CSO, SFBA
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7 Diane Silva, Navy Admin Records

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SHAW TRANSMITTAL/DELIVERABLE RECEIPT

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Southwest Division
Naval Facilities Engineering Command
Ronald Fuller, 02R1.RF
1230 Columbia St., Suite 870
San Diego, CA 92101

Date : May 06, 2004

CTO : 0114

Location: Alameda

FROM: Vincent Kelly
Dan Shafer
Project Manager

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Dean Wright, California Department of Toxic Substances Control (1C/1E)

Date/Time Received _____/_____

Field Progress Report #2 – April 2004

CTO & Site Name	0114 – IWTPs 25 and 32
Project Objective:	Remove or render unusable all waste tanks/units and waste conveyance piping from Industrial Waste Treatment Plants (IWTPs) 25 and 32 in accordance with the following: 1. *Final Amendment to the Closure Plan – IWTP 25*, dated October 2003 2. *Final Amendment to the Closure Plan – IWTP 32*, dated December 8, 2003 3. *Amendment to the Closures of IWTPs 25 and 32, Final Work Plan*, dated December 17, 2003 Removal of the waste units/piping at IWTPs 25 and 32 is being performed to achieve closure of the Resource Conservation and Recovery Act (RCRA) Part B Permit for these facilities.
Reporting Period:	April 1, 2004 to April 30, 2004
Site(s) Addressed During Reporting Period:	**IWTP 25** 1. Waste media sampling and analysis a) Rinsate water from waste piping 2. Mobilization to IWTP and set up of staging areas 3. Waste conveyance piping removal and waste tank removal **IWTP 32** 1. Waste media sampling and analysis a) Rinsate water chrome waste sump b) Residue material from clarifier 2. Waste conveyance piping removal and waste tank rendering/removal 3. Site restoration 4. Transportation and disposal of waste streams 5. Pre-final QC inspection 6. DTSC inspection
Summary of Activities Performed in This Reporting Period:	**IWTP 25:** Field work for tank and piping removal commenced April 22, 2004 with mobilization to IWTP 25 and setting up exclusion zones and staging areas for piping and tank removal activities; piping removal commenced April 26, 2004. As of April 30, 2004, 2,781 lineal feet (LF) of piping have been removed, loaded into bins, and transported off site for disposal. Additionally, all waste tanks were demolished and loaded into bins for disposal (see Figure 1). **IWTP 32:** Field work for tank removal/rendering continued in April. As of April 30, 2004, all remaining waste tanks/filters (23 each) and other units (i.e., filter press and clarifier) have been removed from IWTP 32, loaded into bins, and transported off site for disposal. Additionally, the chrome and cyanide waste sumps were filled with concrete slurry and the resin coating on the basement floor was removed, loaded into a bin, and transported off site for disposal (see Figure 2). Following the pre-final QC inspection on April 20, 2004, disconnected electrical lines were removed back to their junction boxes. DTSC inspected the facility on April 21, 2004 and noted all units and piping subject to removal/rendering was performed to their satisfaction; no additional closure requirements were identified.

Field Progress Report #2 – April 2004 (Continued)

CTO & Site Name	0114 – IWTPs 25 and 32	
Photos:	See attached for photos taken during IWTP 25 and 32 removal activities.	
Detail of Items Removed or Rendered Unusable:	Waste Tanks/Units	**IWTP 25** Neutralization Unit – demolished Clarifiers No. 1 & 2 – demolished Sampling Well – demolished Sludge Thickener Tank – demolished Mixed Metals Tank – demolished Tank No. 3 – demolished Chrome Reduction Unit – demolished Bioreactors 1 & 2 – demolished TTO Reduction Units 1 & 2 – demolished Equalization Tanks 1 & 2 – demolished Filter Press – removed Carbon Absorption Units 1 & 2 – demolished Paint Screen and Hopper – demolished **IWTP 32** CD-30: Cadmium Filter – demolished CD-31: Nickel Filter – demolished FCD-1: Cadmium Filter – demolished HT-3: Spent Cadmium Plating Solution Tank – demolished TN-1: Acid/Alkali Final Neutralizing Tank – demolished TN-2: Neutralizing Tank (final neutralization) – demolished TN-3: Neutralization Tank – demolished TSP-1: Cadmium Waste Tank – demolished TSP-2: Nickel Waste Tank – demolished TSP-3: Nickel Waste Tank – demolished TSP-4: Cadmium Waste Tank – demolished TSP-5: Nickel & Cadmium Waste Tank – demolished VTK-7: Chrome Waste Tank – demolished VTK-9: Acid/Alkaline Waste Tank – demolished VTK-12: Chrome Waste Tank – demolished VTK-13: Chrome Waste Tank – demolished

Field Progress Report #2 – April 2004 (Continued)

CTO & Site Name	0114 – IWTPs 25 and 32		
Detail of Items Removed or Rendered Unusable (Continued):	Waste Tanks/Units (Continued)	WT-5: Mixed Metals Tank – demolished	
		WT-6: Mixed Metals Tank – demolished	
		WT-7: Chrome Waste Tank – demolished	
		WT-9: Acid/Alkaline Waste Tank – demolished	
		WT-10: Acid/Alkaline Waste Tank – demolished	
		WT-11: Holding Tank (final neutralization) – demolished	
		WT-16: Industrial Waste Tank – demolished	
		Clarifier: demolished	
		Filter Press: removed	
		Resin Floor Coating: removed	
		Chrome Waste Sump: rendered unusable (concrete slurry filled)	
		Cyanide Waste Sump: rendered unusable (concrete slurry filled)	
	Misc. Piping Removed (IWTP 25)	Sulfuric Acid Supply	40 LF
		Industrial Water	60 LF
		Carbon	9 LF
		Condensate	70 LF
		Meter Pipe	60 LF
		Steam	10 LF
		Sulfur Dioxide	30 LF
		Lime Feed	4 LF
		Lime Return	4 LF
		Polymer Feed	30 LF
		Anti Foam	3 LF
		Phosphoric Acid	35 LF
		Aqueous Ammonia	20 LF
		Phenol Bypass	30 LF
		Phenol Water	38 LF
		Domestic Cold Water	30 LF
		Cold Water	9 LF
		Electrical Conduit	720 LF
		Plant Air	5 LF
		Air	30 LF
		Total:	**1,237 LF**

Field Progress Report #2 – April 2004 (Continued)

CTO & Site Name	0114 – IWTPs 25 and 32		
Detail of Items Removed or Rendered Unusable (Continued):	Waste Piping Removed (IWTP 25)	Sludge Lines	304 LF
		Solids Line	30 LF
		Chrome Waste	5 LF
		Chrome Free Waste	115 LF
		Treated Waste	56 LF
		Phenol Waste Water	156 LF
		Paint Stripping Waste	105 LF
		Treated Recycle	33 LF
		Waste Pipe	740 LF
		Total:	**1,544 LF**

Media Sampling and Analysis:

Prior to dismantling activities, samples of various waste media were collected for laboratory analysis to determine appropriate transportation and disposal requirements (see Evaluation of Analytical Results below). Specifically, media were analyzed for the following:

IWTP 25

1. Piping Rinsate: metals (Method 6010B); mercury (Method 7470A); SVOCs (Method 8270C)

IWTP 32

1. Clarifier Residue: metals (Method 6010B); mercury (Method 7470A)
2. Rinsate from Chrome Waste Sump: metals (Method 6010B); mercury (Method 7470A)

Evaluation of Analytical Results:

1. Disposition of the waste conveyance piping from IWTP 25 was made based on testing of rinsate water from the pipes. The rinsate sample yielded results that were all below regulatory limits. Therefore, the waste piping is considered non-hazardous.
2. Analysis of the IWTP 32 clarifier residue sample indicated the waste was non-hazardous RCRA waste.
3. Analysis of the rinsate from the IWTP 32 chrome waste sump resulted in concentrations of chromium (6.92 mg/L) and lead (5.57 mg/L) exceeding their regulatory limit of 5.0 mg/L to render the rinsate RCRA hazardous.

Transportation and Disposal

Analytical results from the various waste streams generated during the demolition of IWTPs 25 and 32 were used to determine the appropriate means of transportation and disposal. The following T&D activities were conducted in April.

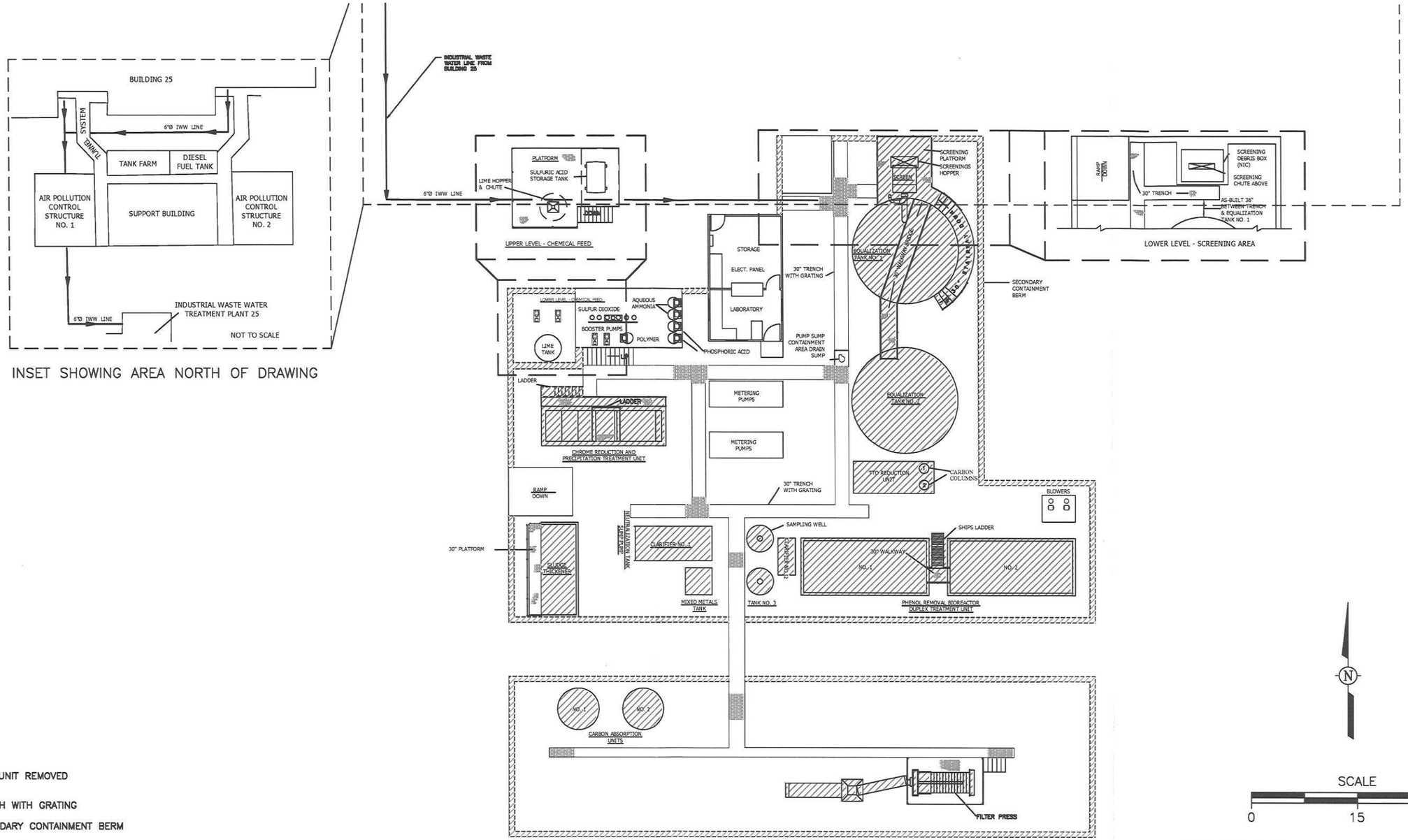
IWTP 25

1. Fiberglass construction debris (non-hazardous, non-regulated solid): Waste Management Altamont Landfill & Resource Recovery, Livermore, CA.
2. Filter press plates and contaminated PPE (RCRA regulated hazardous waste): Chemical Waste Management, Kettleman Hills, Kettleman City, CA.
3. Scrap metal (filter press, motors, tanks, etc.) (non-regulated material for recycle): Alco Iron and Metal, San Leandro, CA.
4. Waste conveyance piping (non-hazardous waste solid): Waste Management Altamont Landfill & Resource Recovery, Livermore, CA.

Field Progress Report #2 – April 2004 (Continued)

CTO & Site Name	0114 – IWTPs 25 and 32
Transportation and Disposal (Continued)	**IWTP 32** 1. Fiberglass construction debris (non-hazardous, non-regulated solid): Waste Management Altamont Landfill & Resource Recovery, Livermore, CA. 2. Waste conveyance piping, filter press plates, contaminated PPE (RCRA regulated hazardous waste): Chemical Waste Management, Kettleman Hills, Kettleman City, CA. 3. Epoxy resin floor coating (RCRA regulated hazardous waste): Chemical Waste Management, Kettleman Hills, Kettleman City, CA. 4. Scrap metal (clarifier housing, filter press, motors, etc.) (non-regulated material for recycle): Alco Iron and Metal, San Leandro, CA.
Schedule:	See attached for updated project schedule.

Figures



INSET SHOWING AREA NORTH OF DRAWING

LEGEND

- TANK/UNIT REMOVED
- TRENCH WITH GRATING
- SECONDARY CONTAINMENT BERM
- IWW LINE (APPROXIMATE LOCATION BASED ON CONSTRUCTION DRAWINGS)
- The dash line shows an inset of top of the figure on this page and part of the figure on another page.

TANKS/UNITS REMOVED AS OF 4-30-04

Shaw Environmental, Inc.

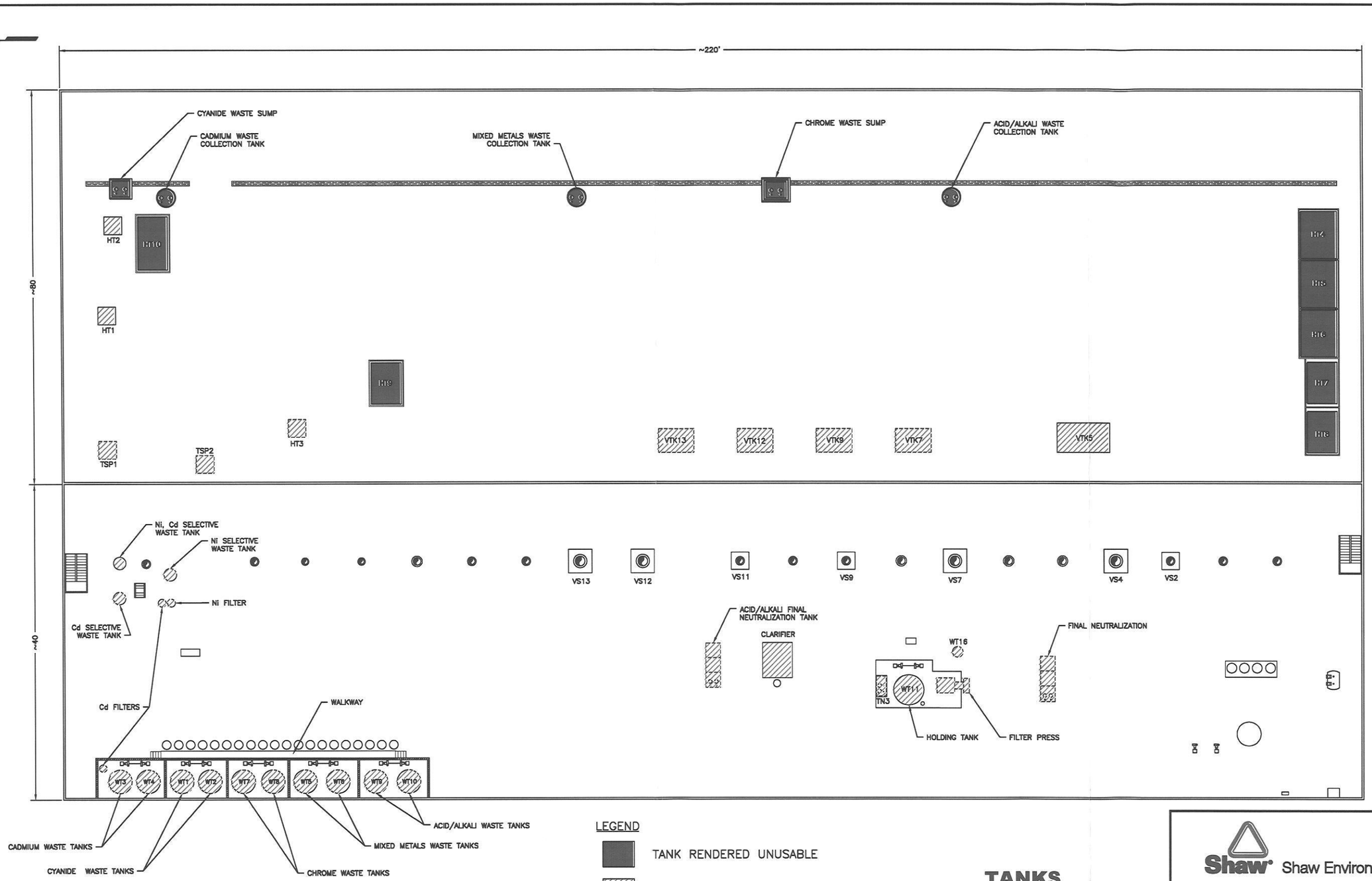
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CALIFORNIA

FIGURE 1

RCRA REMOVAL ACTIONS AT IWTP 25

ALAMEDA POINT
ALAMEDA, CALIFORNIA

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE	X-REF	IMAGE
101643-B2		SK 5/5/04	SJZ 5/5/04	CONCORD	-	---



LEGEND

- TANK RENDERED UNUSABLE
- TANK REMOVED
- TRENCH WITH GRATING
- SECONDARY CONTAINMENT BERM
- VENT STACK
- SCRUBBER

NOT TO SCALE

TANKS REMOVED/RENDERED UNUSABLE AS OF 4-30-04

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CALIFORNIA

FIGURE 2

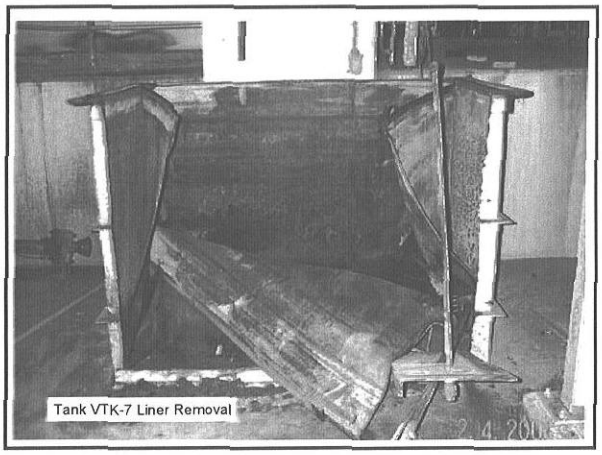
RCRA REMOVAL ACTIONS AT IWTP 32

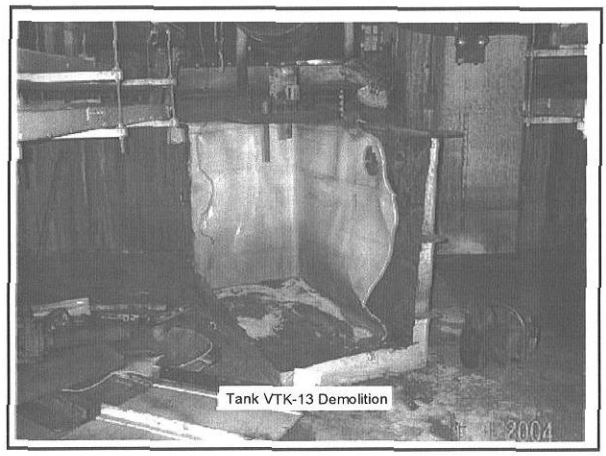
ALAMEDA POINT
ALAMEDA, CALIFORNIA

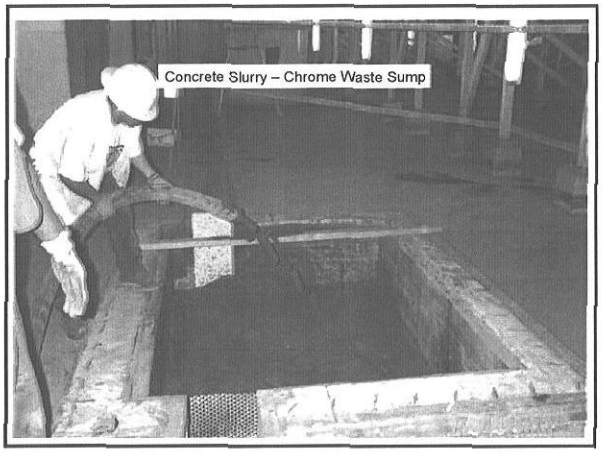
DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
SJZ 5/5/04	SK 5/5/04		101643-B1

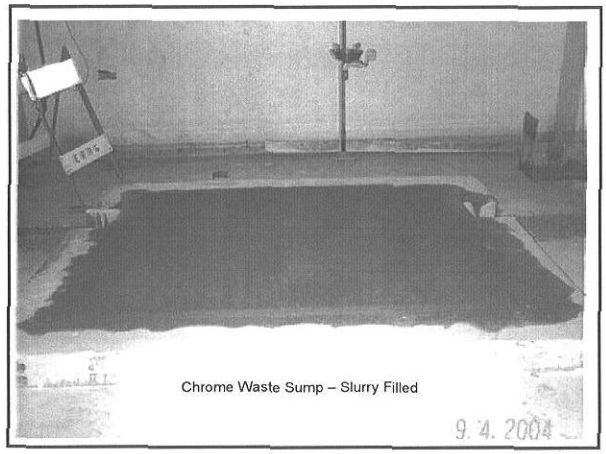
OFFICE	X-REF	IMAGE
CONCORD	-	---

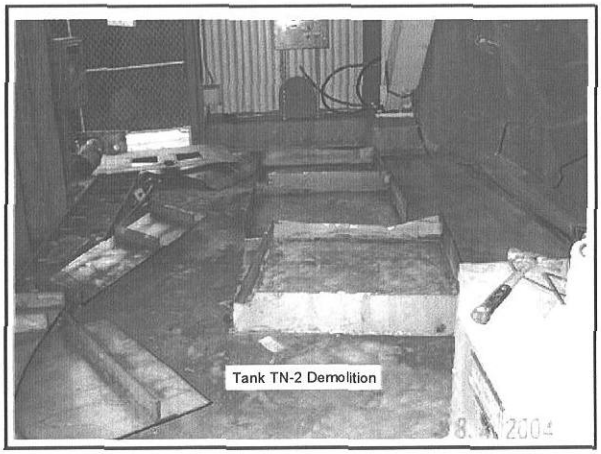
Photos

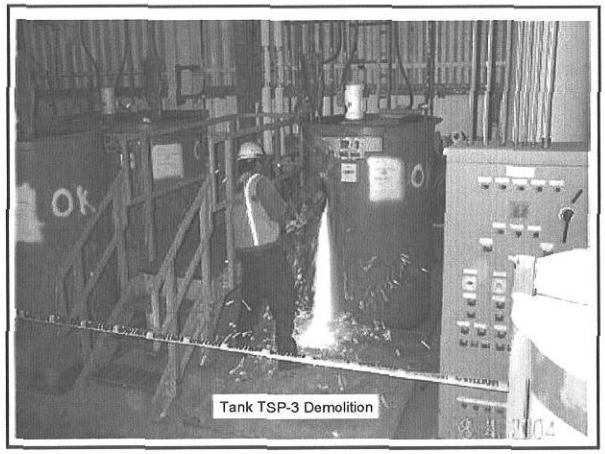

Tank VTK-7 Liner Removal

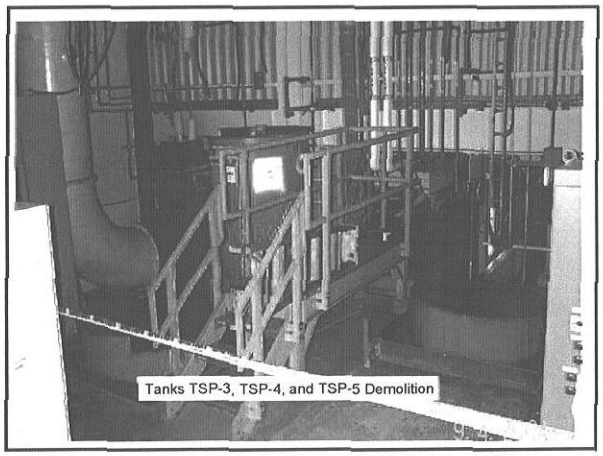

Tank VTK-13 Demolition

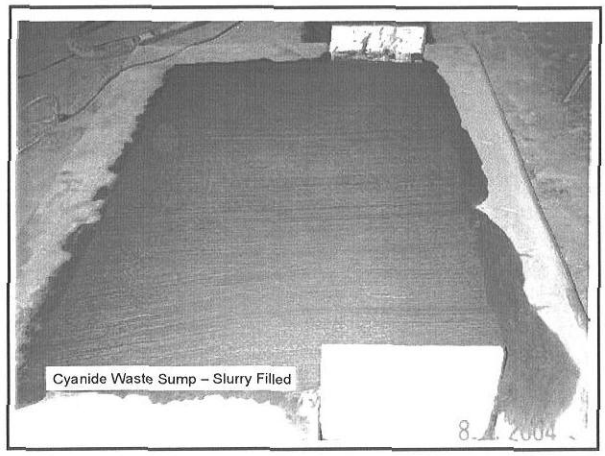

Concrete Slurry – Chrome Waste Sump

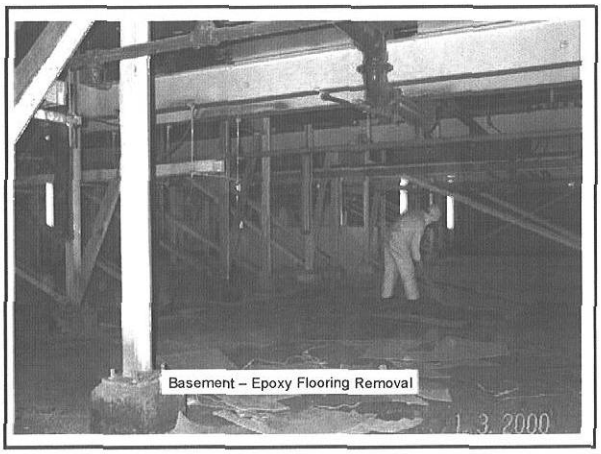

Chrome Waste Sump – Slurry Filled

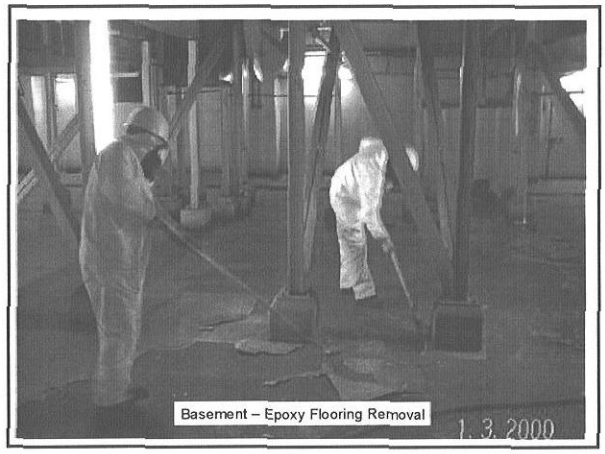

Tank TN-2 Demolition

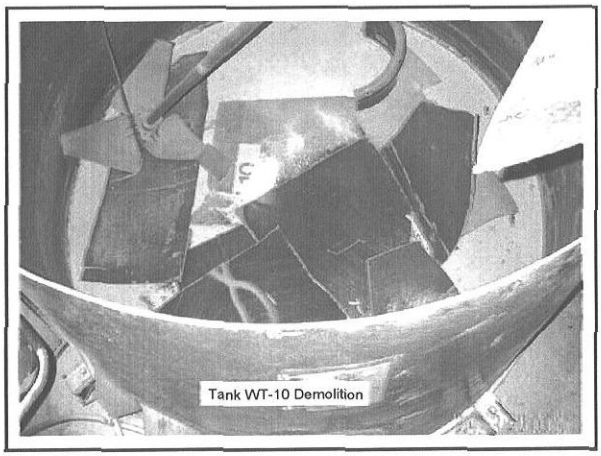

Tank TSP-3 Demolition

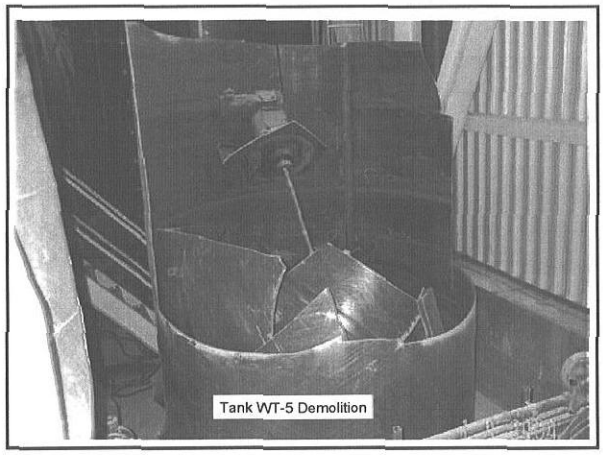

Tanks TSP-3, TSP-4, and TSP-5 Demolition

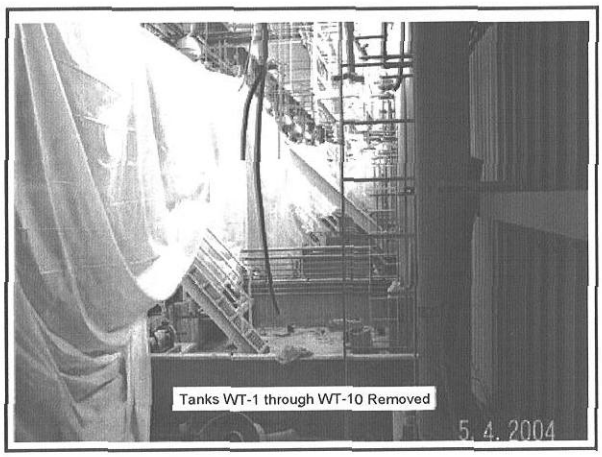

Cyanide Waste Sump – Slurry Filled


Basement – Epoxy Flooring Removal

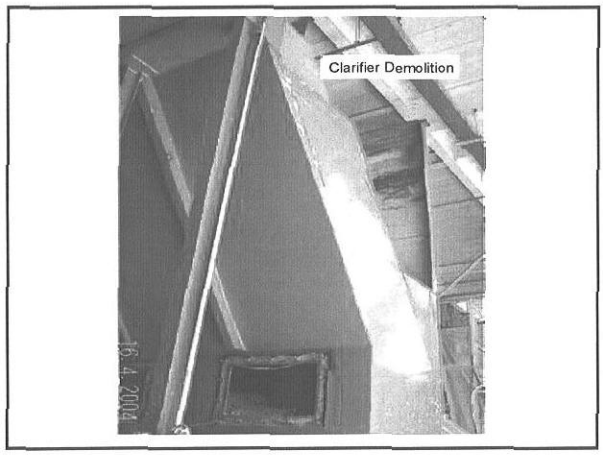

Basement – Epoxy Flooring Removal

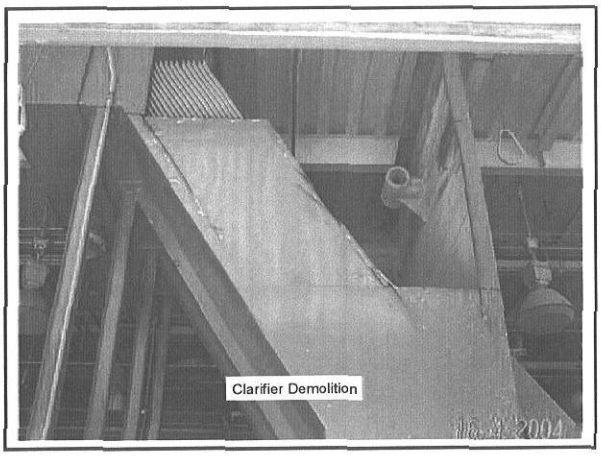

Tank WT-10 Demolition

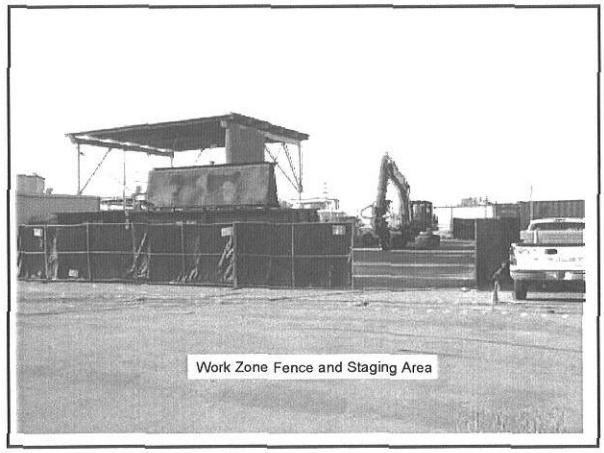

Tank WT-5 Demolition

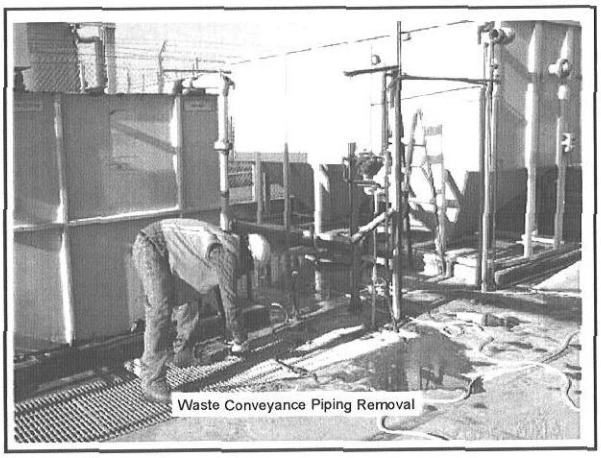


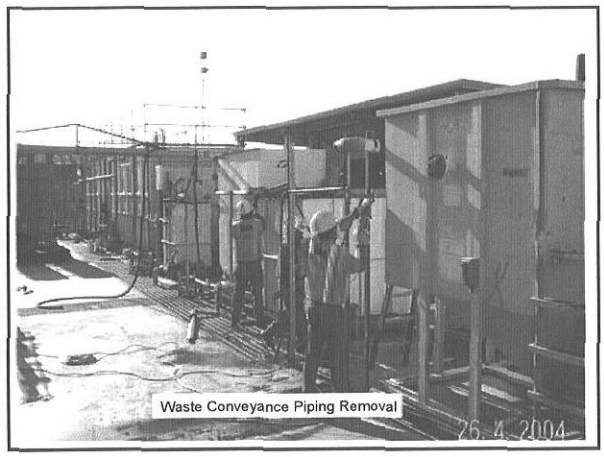
Tanks WT-1 through WT-10 Removed


Clarifier Demolition

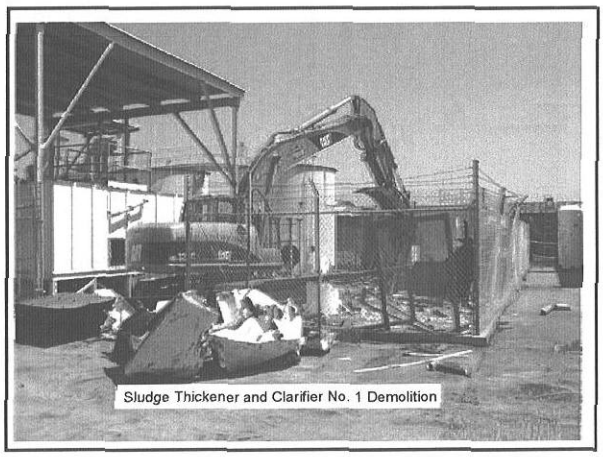

Clarifier Demolition


Work Zone Fence and Staging Area


Waste Conveyance Piping Removal

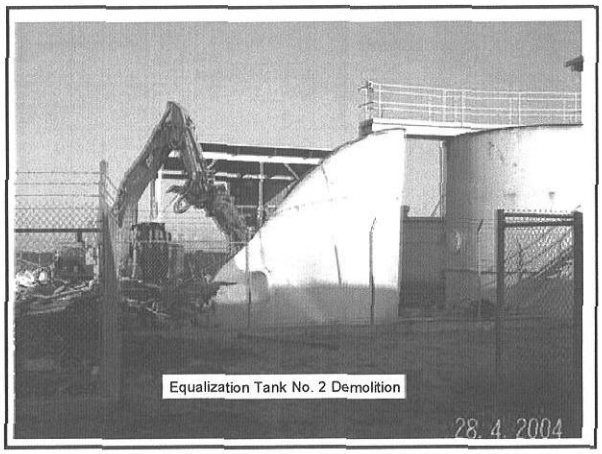


Waste Conveyance Piping Removal

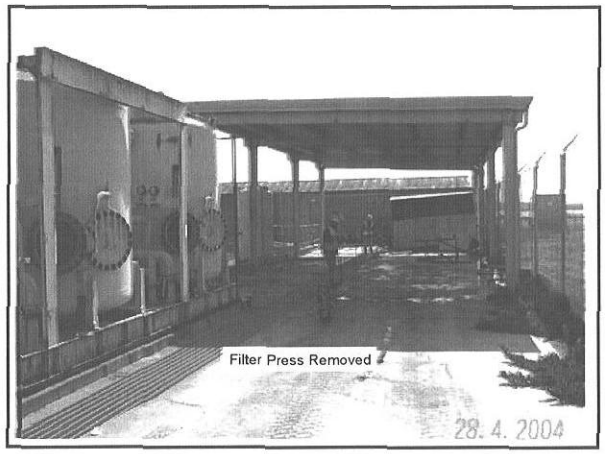


Sludge Thickener and Clarifier No. 1 Demolition

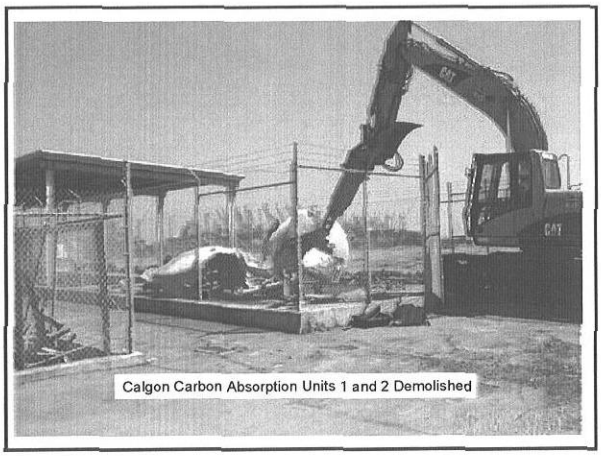
Mixed Metals Tank Demolition



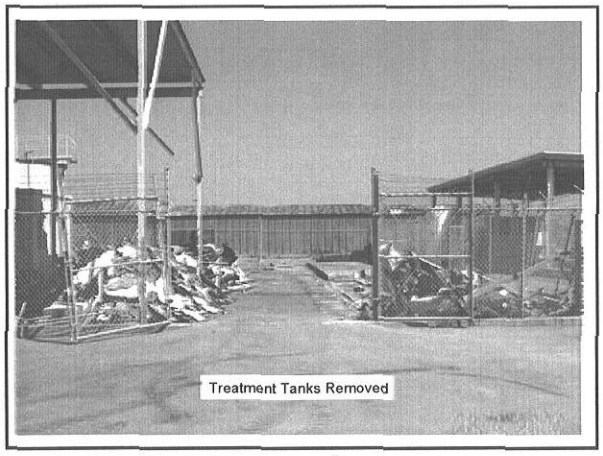
Equalization Tank No. 2 Demolition



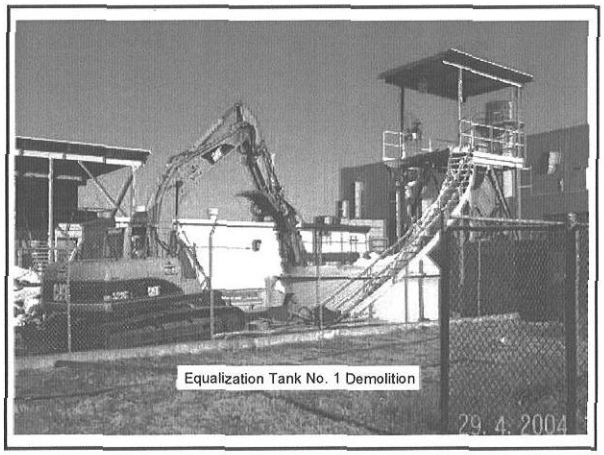
Filter Press Removed



Calgon Carbon Absorption Units 1 and 2 Demolished



Treatment Tanks Removed

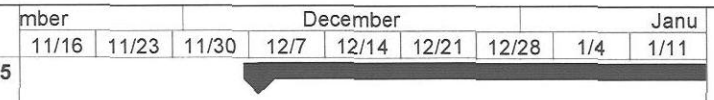


Equalization Tank No. 1 Demolition

Schedule

Project Schedule
Removal/Closure of IWTPs 25 and 32
Alameda Point, California

ID	Task Name	Start	Finish
1	**Pre-Construction Activities**	**Mon 12/8/03**	**Tue 5/3/05**
8			
9	**Field/Construction**	**Mon 2/16/04**	**Wed 1/12/05**
10	**IWTP 25 & 32 Tank and Piping Removal**	**Mon 2/16/04**	**Wed 1/12/05**
11	Facility Lockout/Tagout	Mon 2/16/04	Fri 4/30/04
12	Daily AHA Evaluation	Mon 3/15/04	Thu 6/17/04
13	Miscellaneous Waste Sampling	Mon 2/16/04	Fri 4/30/04
14	**Tank and Piping Removal**	**Mon 3/15/04**	**Wed 5/19/04**
15	Mobilization	Mon 3/15/04	Tue 3/16/04
16	Tagging/Removal of IWTP 32 Piping	Tue 3/16/04	Fri 3/26/04
17	Removal/In-Place Closure of IWTP 32 Tanks/Units	Fri 3/19/04	Mon 4/19/04
18	In-Place Closure of IWTP 32 Sumps	Thu 4/1/04	Wed 4/14/04
19	Removal of IWTP 32 Basement Floor Coating	Thu 4/15/04	Fri 4/23/04
20	Tagging/Removal of IWTP 25 Piping	Tue 4/20/04	Fri 4/23/04
21	Removal of IWTP 25 Tanks/Units	Wed 4/7/04	Fri 5/7/04
22	Final Inspection	Thu 5/13/04	Thu 5/13/04
23	Demobilization	Wed 5/19/04	Wed 5/19/04
24	T&D	Wed 4/7/04	Wed 5/19/04
25	Utility Location	Tue 6/1/04	Wed 6/2/04
26	Site Surveying	Mon 6/28/04	Tue 6/29/04
27	*Subsurface Soil & GW Sampling*	*Thu 6/3/04*	*Fri 6/25/04*
28	Data Validation	Mon 8/2/04	Tue 8/31/04
29	Data Management	Thu 7/1/04	Fri 11/12/04
30	NEDTS	Wed 12/15/04	Wed 1/12/05
31	**IWTP 25 & 32 Tank Reports**	**Tue 3/30/04**	**Thu 2/10/05**
32	Tank Removal Reporting (monthly)	Tue 3/30/04	Thu 7/15/04
33	**Closure Reports**	**Mon 6/28/04**	**Thu 2/10/05**
34	**IWTP 32**	**Mon 6/28/04**	**Thu 12/23/04**
35	Report Preparation	Mon 6/28/04	Fri 8/6/04

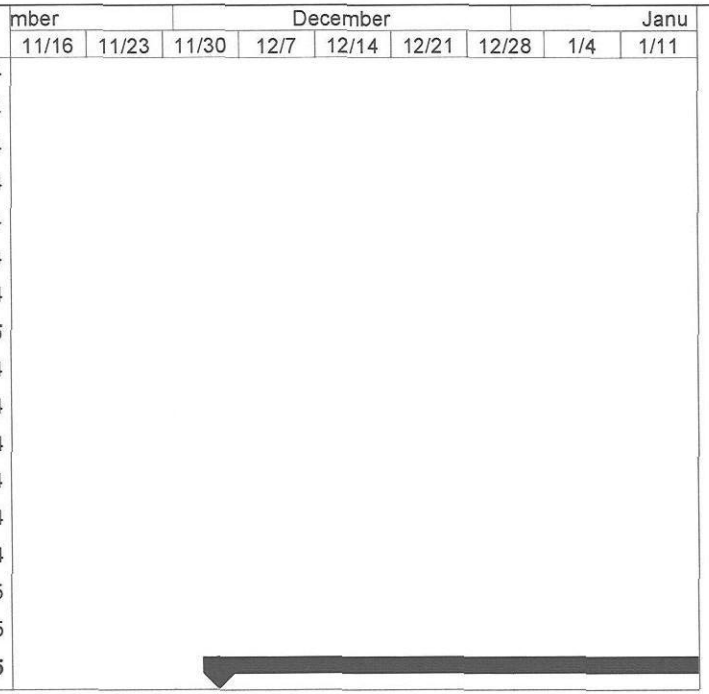


Project: 101643 (CTO 114)
Date: Wed 5/5/04

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	

Project Schedule
Removal/Closure of IWTPs 25 and 32
Alameda Point, California

ID	Task Name	Start	Finish
36	Submit Internal Draft to Navy	Fri 8/6/04	Fri 8/6/04
37	Navy Review	Mon 8/9/04	Mon 8/30/04
38	RTC and Prepare Draft	Tue 8/31/04	Wed 10/13/04
39	Submit Draft to Navy and DTSC	Wed 10/13/04	Wed 10/13/04
40	DTSC Review	Thu 10/14/04	Fri 11/12/04
41	RTC and Prepare Final	Mon 11/15/04	Thu 12/23/04
42	Submit Final to Navy and DTSC	Thu 12/23/04	Thu 12/23/04
43	**IWTP 25**	**Mon 8/9/04**	**Thu 2/10/05**
44	Report Preparation	Mon 8/9/04	Mon 9/20/04
45	Submit Internal Draft to Navy	Mon 9/20/04	Mon 9/20/04
46	Navy Review	Tue 9/21/04	Tue 10/12/04
47	RTC and Prepare Draft	Wed 10/13/04	Wed 11/24/04
48	Submit Draft to Navy and DTSC	Wed 11/24/04	Wed 11/24/04
49	DTSC Review	Mon 11/29/04	Tue 12/28/04
50	RTC and Prepare Final	Wed 12/29/04	Thu 2/10/05
51	Submit Final to Navy and DTSC	Thu 2/10/05	Thu 2/10/05
52	**Distributives/Management**	**Fri 12/5/03**	**Fri 6/3/05**



Project: 101643 (CTO 114)
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Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline