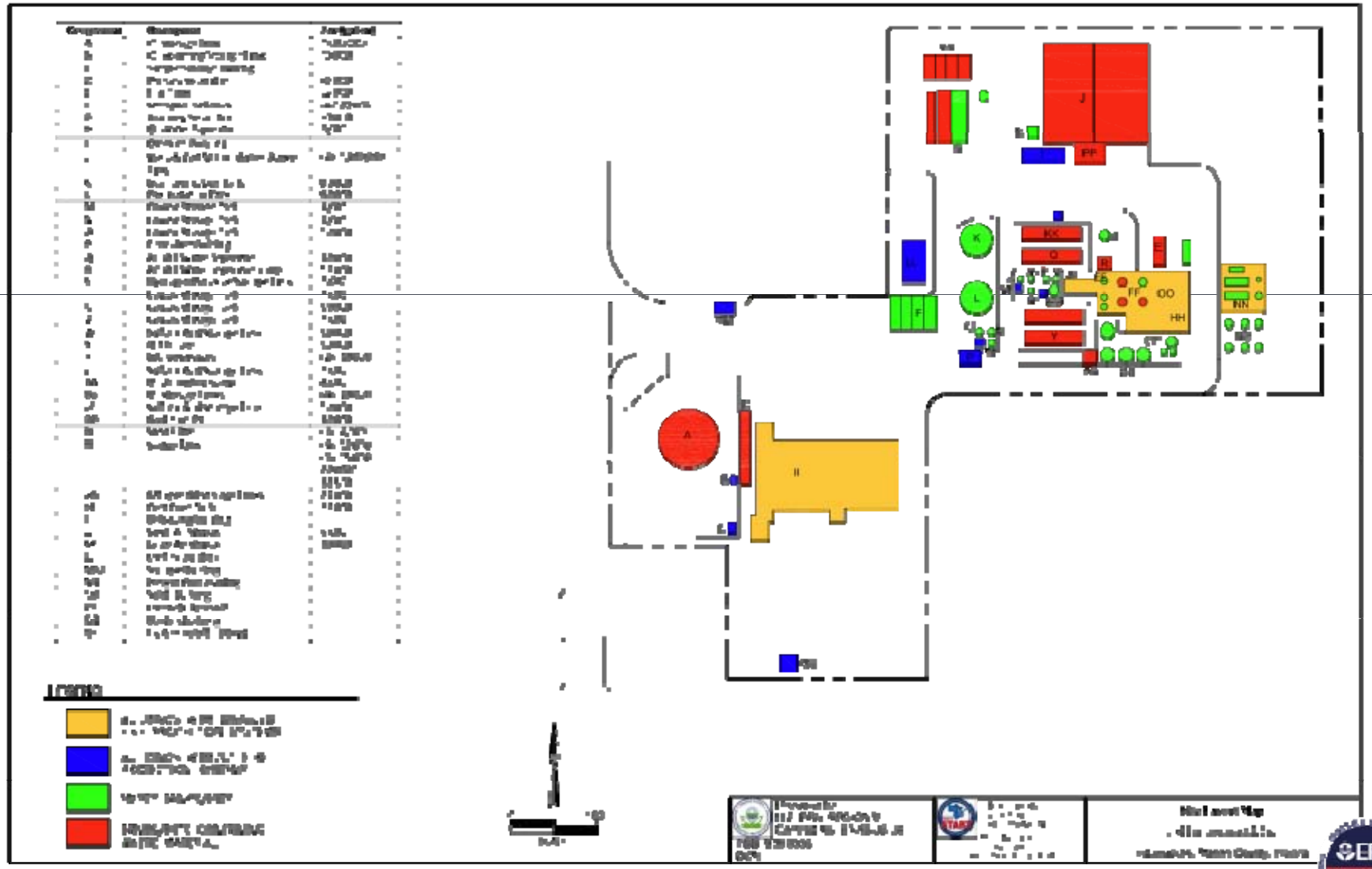
UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
EPA
EMERGENCY
RESPONSE

ESI

January 21, 2011

Designator	Description	Size (gallon)
A	Tank 451	300,000
B	Primary Separator	75,000
C	Frac Tank	21,000
D	Frac Tanks 7-10	(4x) 21,000
E	Solidification Pits	2,000
F	West & East Million-Gallon Bunker Tanks	(2x) 1,000,000
G	API Separator Tanks	(2x) 140,000
H	DAF Separator Tanks	(2x) 140,000
I	Fry Basket	4,000
J	Concrete Access Pit	112, 200
K	Solidified Sludge Roll-Offs	--

ESI Site Layout



EPA Doing Cleanup At ESI Environmental Inc.

ESI Environmental Inc. Site
Indianapolis, Indiana **October 2010**

On Oct. 5, U.S. Environmental Protection Agency began cleanup at the ESI Environmental Inc. property located on West 16th Street in Indianapolis. Indiana Department of Environmental Management requested EPA's assistance with the site in August after being contacted by the owner of the facility and attorney of a pending absence. On Oct. 1, ESI Environmental Inc. filed bankruptcy leaving behind tanks containing hazardous chemicals such as sulfuric acid and polychlorinated biphenyls or PCBs. The work is being done to address the potential imminent health threats posed by these abandoned chemicals. There have been two previous releases of chemicals from the site in 2007 and 2009 due to runoff from heavy rains. With the abandonment of the site, EPA wants to ensure that no future accidents will occur.

A more affirmative information and chronology site cooperation by EPA during the cleanup.

- A [illegible] gallons of sludge tank contents about 100,000 gallons of possible PCB-containing sludge
- Four 1-million-gallon aboveground storage tanks contain about 1.5 million gallons of sludge.
- Stormwater control structures intercept [illegible] gallons of water. Storage tanks and then discharges into the sanitary sewer.
- Other storage tanks ranging in size from 1,000 to 50,000 gallons contain waste oil, water, sulfuric acid, caustics, transformer materials and sludge.

One of the primary concerns is the potential for chemicals from the site to be released into the city sanitary sewer system or into surrounding the water the overflow [illegible] heavy rain events. For this reason, a primary focus of the work will involve managing stormwater runoff.

The following tasks have been conducted:

- All tanks on site have been sampled for PCBs to determine if these containers could be used for onsite storage of material to be pumped out of the wastewater system.
- Thousands of gallons of chemicals have been transported offsite and have been either been reused or disposed of properly.
- The storm sewers have been [illegible] for contamination.
- The onsite buildings have been investigated and were found to have 2,200 samples collected. These samples were removed and will be disposed of properly.
- A draft wastewater management plan was developed.

[illegible] result of the sampling on the transformer oil, it has been determined that no PCB contamination outside of the 1-million-gallon tank [illegible] possibly two other tanks (150,000 + 22,500 gallons) [illegible] PCB contamination in this [illegible] by wastewater pump.

For more information
If you need more information about the removal project at the ESI Environmental Inc. site or if you have questions or comments you can contact these EPA team members:

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EPA Region 5
Superfund Division
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simon.verneta@epa.gov

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On-Scene Coordinator
EPA Region 5
Superfund Division
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Community Involvement Coordinator
EPA Region 5
Superfund Division
312-353-0628
pope.janet@epa.gov

Region 5 toll-free: 800-621-8431, 8:30 a.m. – 5:30 p.m., weekdays

Region 5 address:
EPA Region 5
77 W. Jackson Blvd.
Chicago, IL 60604

On the Web
http://www.epa.gov/region5/sites/esi/index.html

http://www.epaosc.org/esi

The next steps

In the next few weeks, EPA will continue to clear out the storm sewers. Upon approval of the draft stormwater management plan, EPA will take measures to manage stormwater runoff.

Odor complaints

Several complaints have been received about odors. While the source of the odors is not known, EPA will follow up on these complaints. Anyone that has a complaint about odors believed to be coming from the site are urged to call the:

Mayor's Action Center
317-327-4MAC (4622)

Site background

ESI began operation in December 1999 as a commercial used oil processing facility. The facility collected, processed, reserved, and disposed of neither, also was sewer from industrial and commercial manufacturing plants. All materials received into the facility were tested and processed to separate the contaminants. The water collected during this process was discharged separately into the city of Indianapolis sanitary sewer system. The contaminants were further processed into a form that allowed for proper recycling or disposal. Any oils recovered in the process were shipped off-site to be reused. The site was designed so that the stormwater at the site was captured in a internal sewer system and ultimately run through its wastewater processing equipment prior to being discharged into the city sanitary sewer system.

On March 15, 2007, during a heavy rainfall, contained oil and water from the site flowed into the city sewer system through a by-pass sewer that had been left open. This release resulted in contamination of surrounding commercial and residential properties. The resulting cleanup lead to the by-pass sewer being permanently sealed in 2007. ESI was notified by a customer that a shipment of used oil from the site had contained PCBs. As a result, the equipment was decontaminated. Another release occurred in 2009 resulting again in contamination of nearby commercial and residential properties. Another cleanup took place, but these two releases indicate the need for runoff from the site to be controlled.

ESI ENVIRONMENTAL INC. SITE:
EPA Doing Cleanup At ESI Environmental Inc.

EPA
Lorraine Bergman
Environmental Protection Agency
Region 5
Superfund Division (SF-7J)
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Resident Complaint Form

Name: _____

Address: _____

_____

Phone#: _____

Complaint (please include date and time):

_____
_____
_____
_____
_____
_____
_____
_____

If Odor Complaint, describe smell (please include date and time):

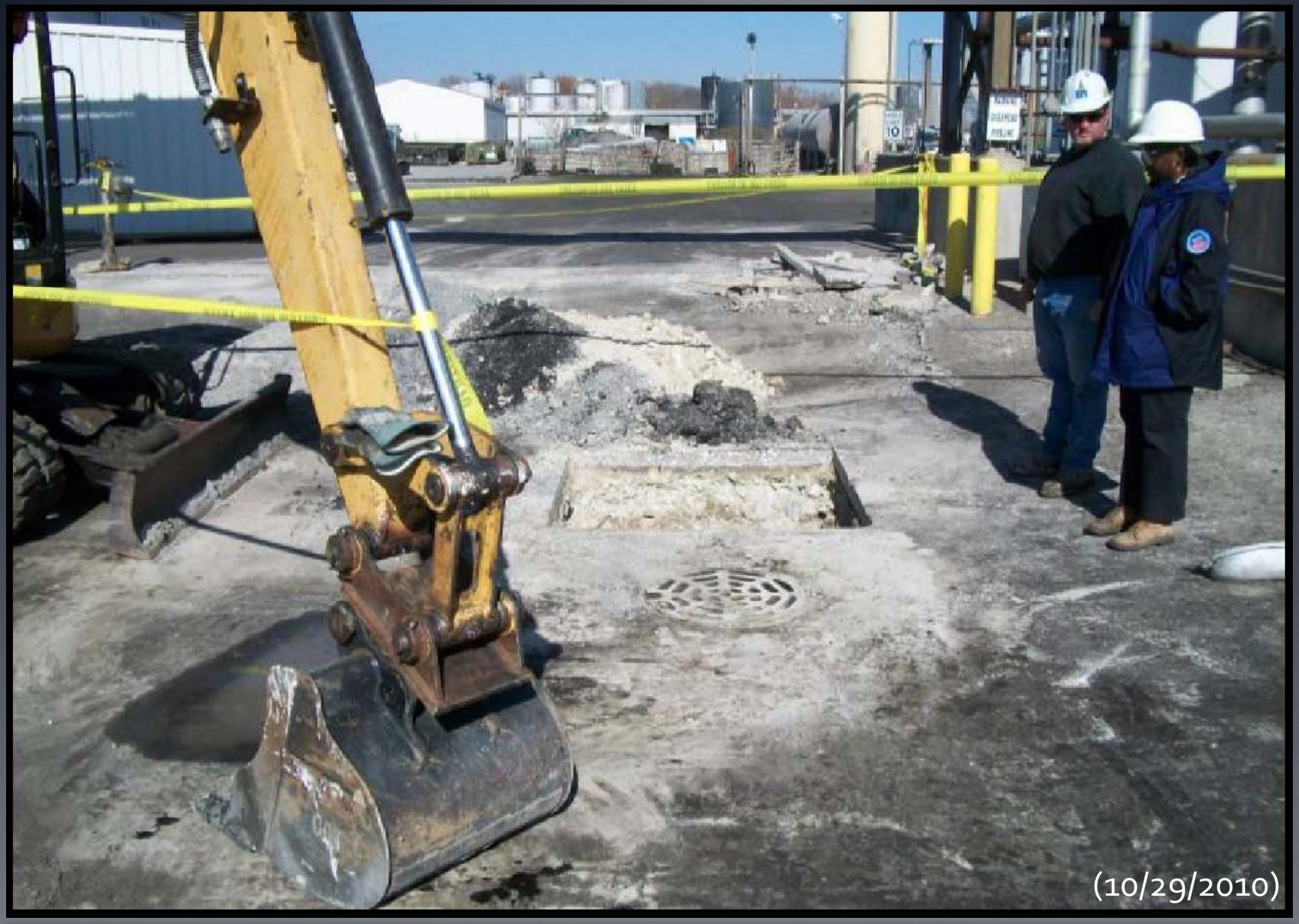
_____
_____
_____
_____
_____
_____
_____
_____

Mayor's Action Center
City/County Bldg., Ste.2160
317-327-4MAC (4622)
Hours:
Open Monday - Friday
7:30 a.m. - 5:30 p.m.
Walk-in Service
8:00 a.m. - 5:00 p.m. only

http://www.epa.gov/region5/sites/esi

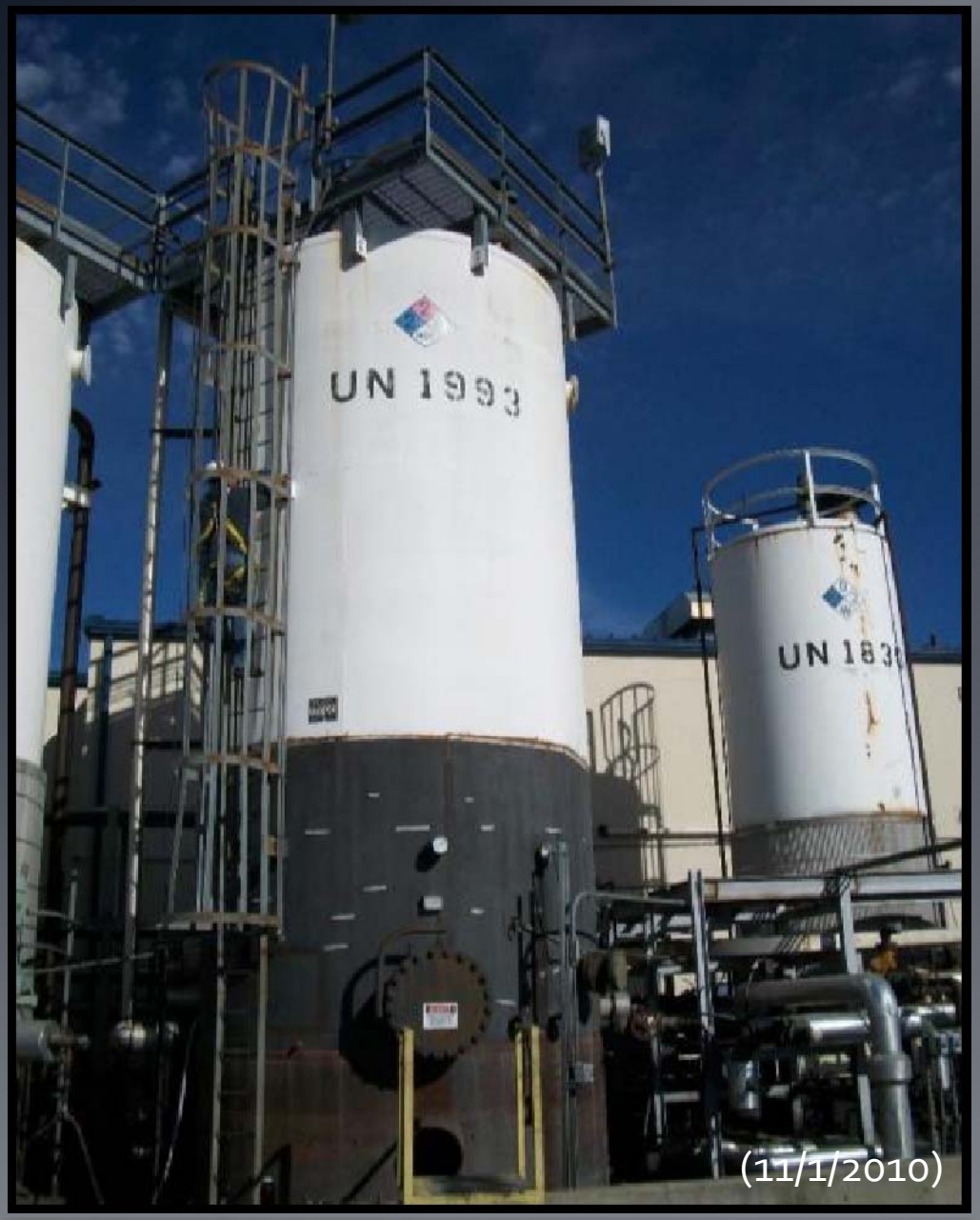
Environmental Restoration sampling frac tanks 7, 8, 9, & 10.

Environmental Restoration sampling the API oil and water separation pit.



Stormwater cap excavation north of manway SS17.

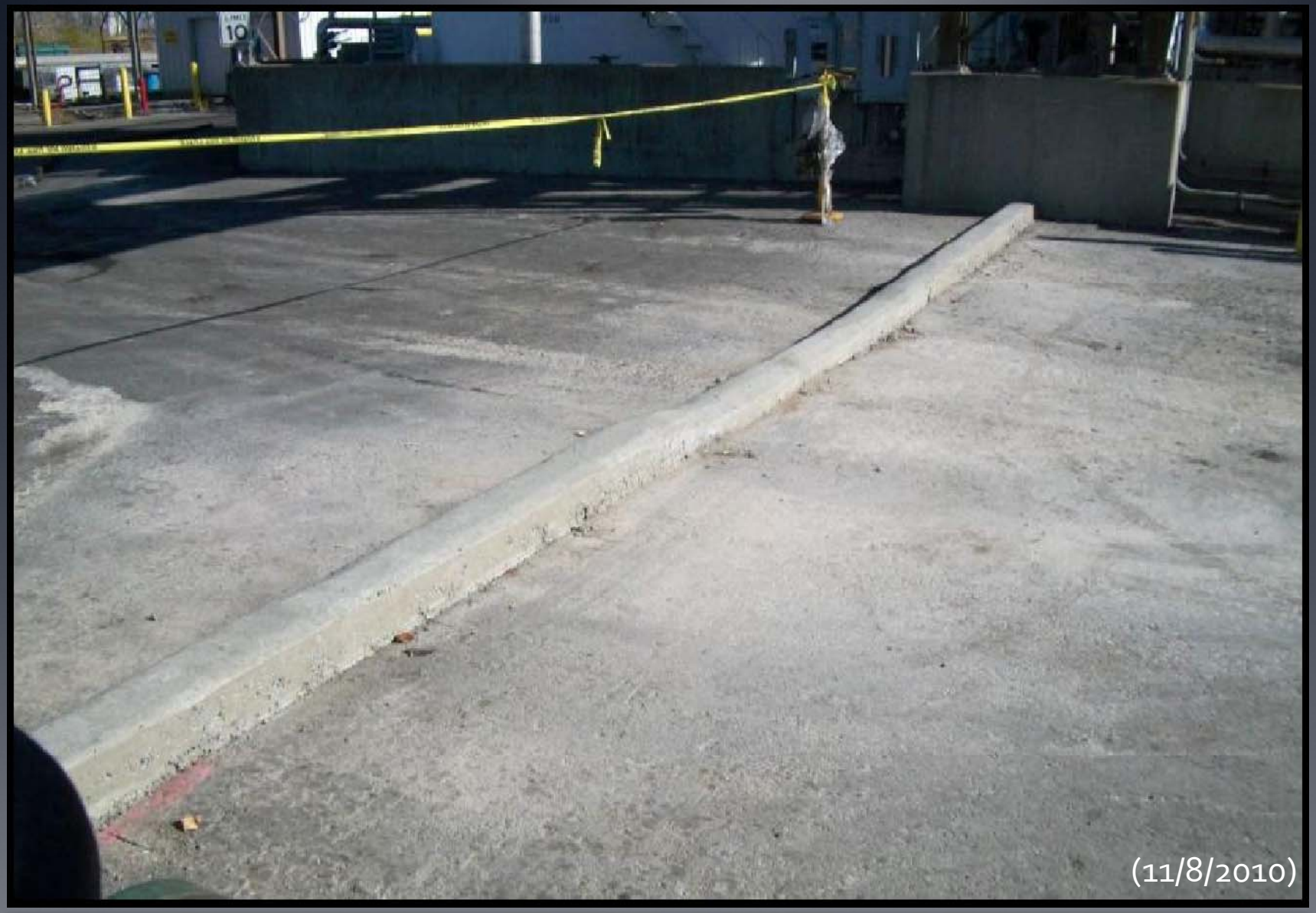
Environmental Restoration pressure washing asphalt on the southeast area of the site.



Environmental Restoration climbing an oil storage tank on the east side of the site to investigate the amount of oil contained inside.

AreaRAE Unit 2 at Location 2 on the west fence in the northeast area, bordering Asphalt Materials.

Stormwater cap with 55-gal poly drums after concrete pouring.



Completed north stormwater berm.

View of the concrete access pit & east/west million gallon bunker tanks from the API tanks.

Environmental Restoration pumping oily water from frac tanks 7-10 to trucks for disposal at United Water.

WSP using a vac truck & vac box for removing material from Tanks 43 & 44.

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Water/ice in the southwest corner of the Dehydration Building resulting from the water not being completely shut off by the PTFD when the sprinkler system burst on 12/7/2010.

Administration Building laboratory after labpacking was complete.

Burst water pipeline above the Flocculent Building eye wash/shower station.

WSP taking PCB sludge confirmation samples from Tank 51.

View of the site from the top of Tank 51.

View of the site from the top of Tank 51.

Stormwater discharge pipeline from manway SS-17 to the City of Indianapolis sanitary sewer.

WSP taking PCB sludge confirmation samples from Tank 51.

(12/16/2010)

Manway SS23 (just south of Concrete Access Pit) on the northeast area at storage capacity.

A. Two 1-million gallon bunkers (both full)
   1. Three Waste Streams for Disposal (liquid, sludge, and solid)
   2. Confined Space Entry

B. Primary Oil Separator
   1. At Capacity
   2. Confined Space Entry

C. Storm sewers on the Northeast side of the property
   1. At Capacity
   2. Oily Sludge Waste

D. Continue Storm Water Maintenance
   1. USEPA was issued Special Discharge Agreements

E. Odor Issues/Complaints

F. Attend Monthly Committee Meetings