



Environmental Safety

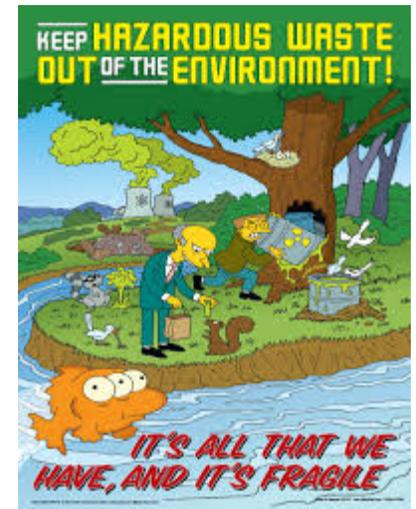
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Environmental Safety Topics



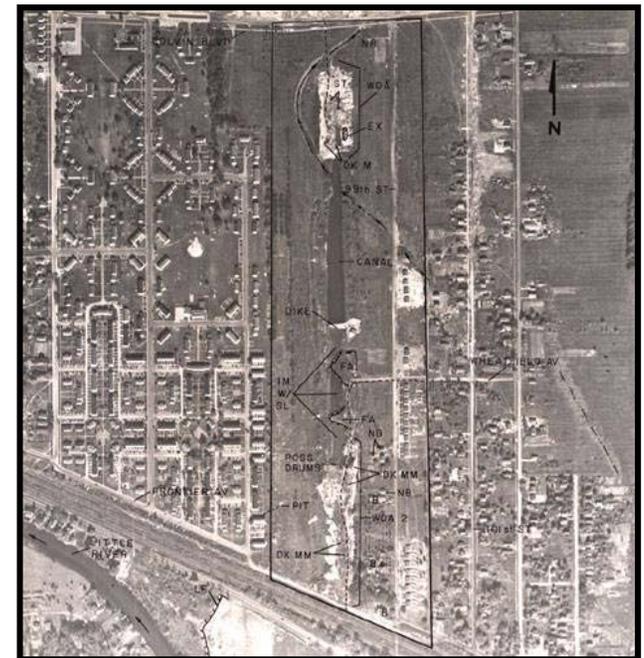
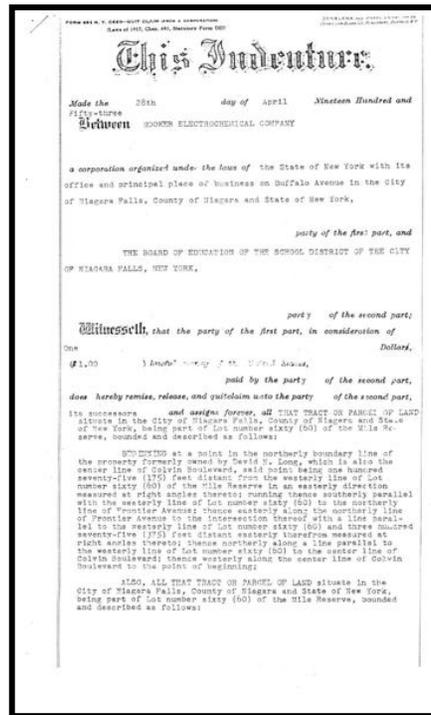
- ❖ Environmental History
- ❖ Spill Prevention and Response
- ❖ Storm Water Mgmt on Construction Sites
- ❖ Hazardous Materials/EPCRA reporting
- ❖ Hazardous Waste
- ❖ Restoration Sites



Environmental History



Love Canal



Love Canal 1951

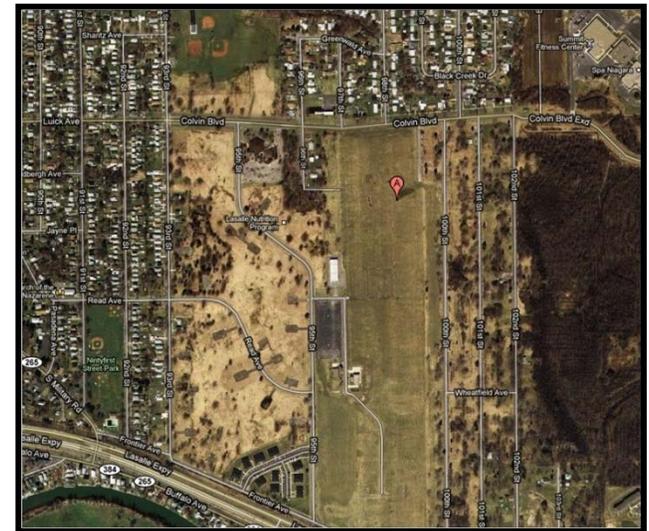
Environmental History



- Growing population in 1953 amplified need for new schools
- Built two schools with 400+ students at each
- Unearthed leaking drums of hazardous waste
- Relocated schools



October 1980, President Jimmy Carter enacted an Emergency Declaration relocating 900 families



Love Canal 2011

Environmental History



Cuyahoga River, Ohio



First Earth Day – 22 APR 1970



Spill Prevention/Response



- Contractor's Environmental Protection Plan must contain:
 - Spill prevention measures (containment, SOPs, etc.).
 - Spill response procedures (immediate notification, response actions, contacts, phone numbers, etc.).
- Check WAC, Integrated Contingency Plan and installation Spill Prevention, Control & Countermeasure Plan for specifics on spill reporting requirements.
- Never pour anything into a storm drain.



Construction Stormwater



- EPA permit required for sites disturbing more than 1 acre
- Contractor and Navy are both “permittees”
- Common erosion and sediment control measures

Storm drain inlet protection



Construction access stabilization with quarry spalls or crushed rock to prevent tracking soils onto roads



What not to do!



HAZMAT/EPCRA



- HAZMAT (Hazardous Materials) management
 - Contractor must follow Navy process.
 - HAZMAT must be properly stored and managed.



- EPCRA (Emergency Planning and Community Right-to-Know Act)
 - Toxic Release Inventory reports are submitted annually for all installations and include all materials used on a Navy installation.
 - Contractor HM use must be captured for this report.

Hazardous Waste



- ❖ Proper identification, accumulation, tracking, transportation, and disposal
- ❖ 40 CFR Parts 124, 260-268, 270, 271, 273 and 279
- ❖ WA Administrative Code (WAC) 173-303
- ❖ Solid waste vs. hazardous waste
- ❖ Common hazardous wastes
- ❖ Requirements for Less than 90-day Accumulation Areas
- ❖ Requirements for Satellite Accumulation Areas
- ❖ Container management
- ❖ Haz waste transport and disposal





Be aware and know your surroundings. Environmental Restoration (ER) Sites are common at DoD facilities.

Adak, AK Parcel 4

- What are ER Sites?
- Look for Clues
- Ask Questions
- Ensure approval processes have been followed
- Protect yourself and your employees
- Know the Signs



Clues, note the well next to the excavator.

EXCAVATION PERMIT LOCATE A PERMIT		REQUEST NUMBER		DATE IS 8/3/02	
PROJECT INFORMATION		PROJECT NUMBER		DATE OF EXCAVATION	
PROJECT NAME	PROJECT NO.	PERMIT NO.	ISSUE DATE	EXPIRES	STATUS
1. PURPOSE AND LOCATION OF EXCAVATION: Provide a description of use this information when reviewing with SA					
2. CONTRACTOR NAME: FAYATON					
3. CONTRACTOR REPRESENTATIVE: (Name and Address)					
4. EXCAVATOR'S SIGN: (Date and Time)	5. EXCAVATION DATE:	6. NAME OF EXCAVATOR AND DATE:			
EXCAVATOR SHALL MARK EXCAVATION SITE WITH ARMS AND POST. REQUESTOR MUST PROVIDE NOTIFICATION OF THE EXCAVATION AREA. REQUESTOR SHALL NOT CALL 811 PRIOR TO EXCAVATION AND PROVIDE 2-DIGIT NUMBER. PER 4.					
EXCAVATION APPROVAL					
APPROVAL	DATE	APPROVED BY	EXCAVATION NO.	EXPIRES	STATUS
L. ALL UTILITIES					
M. ALL UTILITIES					
N. ALL UTILITIES					
O. ALL UTILITIES					
P. ALL UTILITIES					
Q. ALL UTILITIES					
R. ALL UTILITIES					
S. ALL UTILITIES					
T. ALL UTILITIES					
U. ALL UTILITIES					
V. ALL UTILITIES					
W. ALL UTILITIES					
X. ALL UTILITIES					
Y. ALL UTILITIES					
Z. ALL UTILITIES					

Excavation Permits help protect Everyone.



Contractor trenched through two ER sites, in front of sign with "Do not Disturb"... Site approval processes were not followed. You and the Navy can be FINED for this.



Trenching exposed Landfill and Hazardous Waste

You could be exposing yourself and your employees to unsafe conditions!



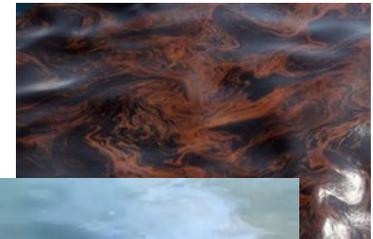
Unidentifiable object on left. Could this be a Grenade? Report!



Know the many hazards associated with ER Sites.



Spills. Report!



Don't know what it is? Report it.



If it is unsafe; report it.



Stored Waste



Radioactive sites.



Munitions and shrapnel are a reality of the Military. If found, DON'T Touch! Report!



Questions/Comments

