



**Defense Environmental Restoration Program
for Formerly Used Defense Sites
(DERP-FUDS)**

*Former Lake Ontario
Ordnance Works*

Restoration Advisory Board Presentation
November 15, 2000



**Restoration Advisory Board
*MEETING AGENDA***

- Administrative rules
- Action items
- Corps update
 - ◆ Lake Ontario Ordnance Works
 - Q&A's
 - ◆ Niagara Falls Storage Site
 - Q&A's
- Administrative



Restoration Advisory Board

ADMINISTRATIVE & GROUND RULES

- Administrative
 - ◆ Question cards are available as needed
 - ◆ Answers to questions will be mailed
- Ground Rules
 - ◆ 15 minutes of questions after each presentation
 - ◆ Please identify yourself before asking a question

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Restoration Advisory Board

ACTION ITEMS (LOOW)

- Corps to provide status of buildings at the LOOW Site (Town of Lewiston property)
 - ◆ Will be addressed in briefing
 - ◆ Will remain an action item

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Restoration Advisory Board *ACTION ITEMS (NFSS)*

- Corps to interview people who worked at the site between 1940 and 1986
 - ◆ Advertised in July 2000
 - ◆ Reviewed questions at July RAB meeting
 - ◆ Additional ads will be placed searching for people with information
- Mr. Syms to bring in map showing areas where wastes were buried

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Restoration Advisory Board *ACTION ITEMS*

- Niagara County Health Department (Mr. Dicky) to identify availability of someone from New York State Health Department to present information on future health studies
 - ◆ Will remain an action item
- Corps to send letter to New York State Health Department regarding restraining order
 - ◆ Documentation available
 - ◆ Corps is scheduled to address this issue

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Restoration Advisory Board *ACTION ITEMS*

- Corps to discuss issue of proximity of students and employees of the Lewiston-Porter schools to the sites, and what plans may be feasible
 - ◆ Will be addressed in briefings

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Former Lake Ontario Ordnance Works *Presentation Overview*

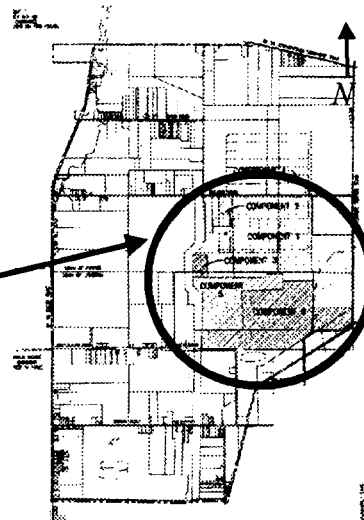
- Site Location
- Project Update
- Follow-Up From September RAB
- Future Issues
- Summary

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Former Lake Ontario Ordnance Works *Site Location*

- Former LOOW 7,500
Acre Boundary
(1942)
- 2,500 Acre
Developed Site



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Former Lake Ontario Ordnance Works *Project Update - Remedial Investigation*

- Objective
 - ◆ To assess potential environmental impacts to the former LOOW resulting exclusively from former Department of Defense use of the property
- Phase-I RI: Completed July 1999
- Phase II RI: In progress
 - ◆ Field work to be complete Dec 2000
 - ◆ Final Report In 2001

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Former Lake Ontario Ordnance Works *Project Update - Remedial Investigation*

- Additional investigative phases are being considered



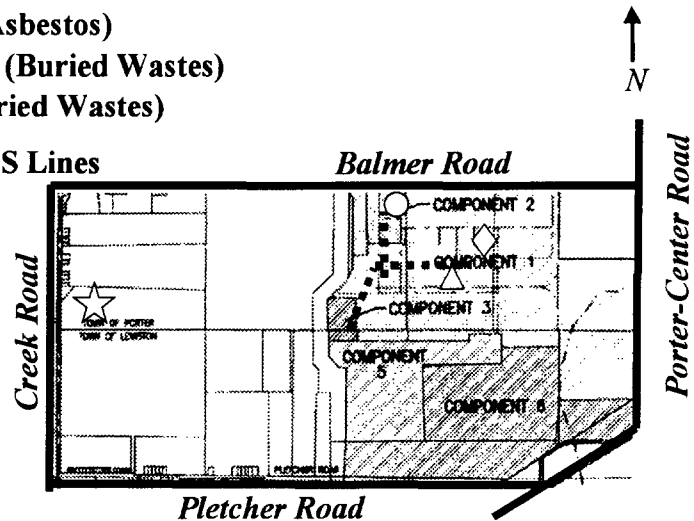
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Former Lake Ontario Ordnance Works *Project Update - Interim Removal Actions*

- Somerset (Asbestos)
- ◇ Areas A&B (Buried Wastes)
- △ Area C (Buried Wastes)

--- TNT & CWS Lines



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Former Lake Ontario Ordnance Works *Project Update - Interim Removal Actions*

- TNT/CWS Remediation
 - ◆ All work on CWM property
 - ◆ TNT Line: 95% Complete
 - 450 feet remain to be completed in 2001
 - Powerwashing inside of pipeline
 - ◆ CWS Line: 100% Complete
 - Direct removal of underground piping

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Former Lake Ontario Ordnance Works *Project Update - Interim Removal Actions*

- Future Interim Removal Actions
 - ◆ Area-C Buried Wastes
 - Goal: Secure funds and remediate in 2001
 - ◆ Areas A&B Buried Wastes
 - Goal: Clean up in 2002
 - ◆ Other Removal Actions Being Evaluated
 - Building demolition

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

- Corps to provide status of buildings at the LOOW Site (Town of Lewiston property)
 - ◆ Buffalo District pursuing funding mechanism for demolition of unsafe buildings and structures
 - ◆ Buffalo District will request funds. Funding availability not known at this time
 - ◆ We have made our chain of command aware of this situation
 - ◆ Will remain an action item

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

- Corps to discuss issue of proximity of students and employees of the Lewiston-Porter schools to the sites, and what plans may be feasible
 - ◆ No targeted study of school property is recommended or planned at this time
 - ◆ Residents may contact:
 - Niagara County Health Department
Paul Dicky, (716) 439-7595
 - New York State Department of Health
Dr. Karim Rimawi, 1-800-458-1158 ext. 27550
 - Agency for Toxic Substances and Disease Registry
www.atsdr.cdc.gov

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

- ◆ Aerial photography of school property
 - **1938:** Active fruit orchards where schools now stand
 - **1944:** No change - fruit orchards remain. Southwestern drainage ditch constructed to divert flow of Twelve Mile Creek around the site (adjacent to current school property) to Four Mile Creek. Ditch remains today.
 - **1945:** Property declared excess and sold to private owners
 - **1948 - Present:** Lew-Port Schools.

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

- ◆ Groundwater flow is to north/northwest
- ◆ Winds are predominantly from the southwest to the northeast away from school property
- ◆ Former LOOW wastewater treatment plant located 3,125 feet to the east
 - 30-inch underground outfall line runs under school property to the Niagara River
 - Sealed at LOOW site in 1975 by Town of Lewiston
 - Still in service by Town of Lewiston

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

- ◆ Outfall Line Sampling
 - No groundwater encountered
 - Sampled for Boron, Lithium, and TNT in soil/groundwater adjacent to and below the outfall pipe
 - Boron and Lithium detected but below screening criteria
 - No TNT detected

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

◆ Background Sampling

- 3 sampling locations on school property
 - 1 complete (near Southwestern Drainage Ditch)
 - 2 to be completed in November 2000
- 1 additional sampling location just south of school property line
- No monitoring wells due to lack of groundwater
- Sampling for hydrocarbons and metals
- No lab results yet. Results will be in final report

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Former Lake Ontario Ordnance Works *Follow-Up From September RAB*

◆ Other Information?

- Is any testing or monitoring of school water supply or air quality done?
- Has the school district communicated with adjacent property owners?
 - Any nearby sampling?
 - Historical use of property?
 - Regulatory action on these properties?

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Former Lake Ontario Ordnance Works *Future Issues*

- Review of findings from Phase-II Remedial Investigation
- Determination on additional investigative phases
- Pursue funding for interim removal actions

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Former Lake Ontario Ordnance Works *Summary*

- Budget requirements are satisfactory for completing this year's work
- Funding for 2001 and beyond is not known
- Phase II Investigative Report to be complete in 2001
- Final 5% of TNT line to be completed summer 2001

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