

LAKE ONTARIO ORDNANCE WORKS

TECHNICAL REVIEW COMMITTEE MEETING

*September 17, 1997, 1:00 P.M.
Lewiston Town Hall*

- I. INTRODUCTIONS
- II. GENERAL ISSUES AND CONCERNS
- III. CREATION OF RESTORATION ADVISORY BOARD
- IV. INTERIM ACTION DESIGN
- V. REMEDIAL INVESTIGATION FOR OTHER AREAS OF CONCERN
- VI. OTHER BUSINESS
- VII. ADJOURNMENT



U. S. Army Corps of Engineers
New York District

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*(Meeting attended by
Pat Griffin)*

LAKE ONTARIO ORDNANCE WORKS

RESTORATION ADVISORY BOARD

Purpose/Scope of Work/Mission

- * Opportunity to discuss and exchange information about the cleanup of the former Lake Ontario Ordnance Works

- * Want individual advice, but more likely to meet community needs if a consensus can be developed

- * Review, evaluate, and comment on environmental restoration documents, e.g. work plans, reports of investigations, and cleanup work plans

- * Identify project requirements, including applicable standards and cleanup levels that are consistent with existing and possible future uses

- * Coordinate community outreach efforts

Identify information repository where meeting minutes, project reports and other documents are available for public review

Participate in public meetings and develop other procedures to disseminate information to community and to promote public involvement

Periodically review Board's membership roster to maintain diversity and balance



US Army Corps
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New York District

Former Lake Ontario Ordnance Works, NY *Remedial Investigation*

FACT SHEET

August 1997

DESCRIPTION:

Lake Ontario Ordnance Works was located within the Towns of Lewiston and Porter in Niagara County, New York, NY-25, about 10 miles north of the City of Niagara Falls. The original site encompassed 7,500 acres, but Department of Defense (DOD) activities only occurred on 2,500 acres. For 9 months during World War II, the Army manufactured trinitrotoluene (TNT) at a facility on the site which included a power plant, hospital, fire department, water supply system, and a waste treatment system. The majority of the property was sold to private interests in 1943 after the TNT plant was decommissioned, but the Government retained the former active 2,500-acre portion of the site. Between 1953 and 1955, a portion of the site was used to produce high-energy rocket fuel. As DOD operations ceased the property was sold. Chemical Waste Management, Somerset Group, and Lewiston are the current owners of the site. With the exception of the hazardous waste treatment, storage and disposal facility operated by Chemical Waste Management, a large portion of the remainder of the site has not been developed, since the property was transferred by the Government.

PROJECT DESCRIPTION:

To date, Corps investigations have focused on specific areas of limited extent. There may be other areas on the site, however, where past Defense activities may have produced public health or environmental hazards. For example, PCBs and other organic compounds have been reported in the soil near some of the buildings that were used during the production of TNT. It is alleged that the government used a disposal area on the Boos property. Other potential areas of concern are being identified by a history/archive search. Historical aerial photographs and public and private files are being reviewed to determine how the entire site was used during the period that the Department of Defense owned the property. The soil, surface water, and water beneath the surface in the areas identified previously and through the history search will be sampled and tested during the remedial investigation.

STATUS:

The history/archive search is underway, and a draft report concerning the findings is scheduled to be released in December 1997. A draft sampling plan for the first phase of the remedial investigation should be distributed for review in April. Field work should begin this summer and a report concerning the phase I results should be distributed in the fall.

Current issues: None

Future planned activities:

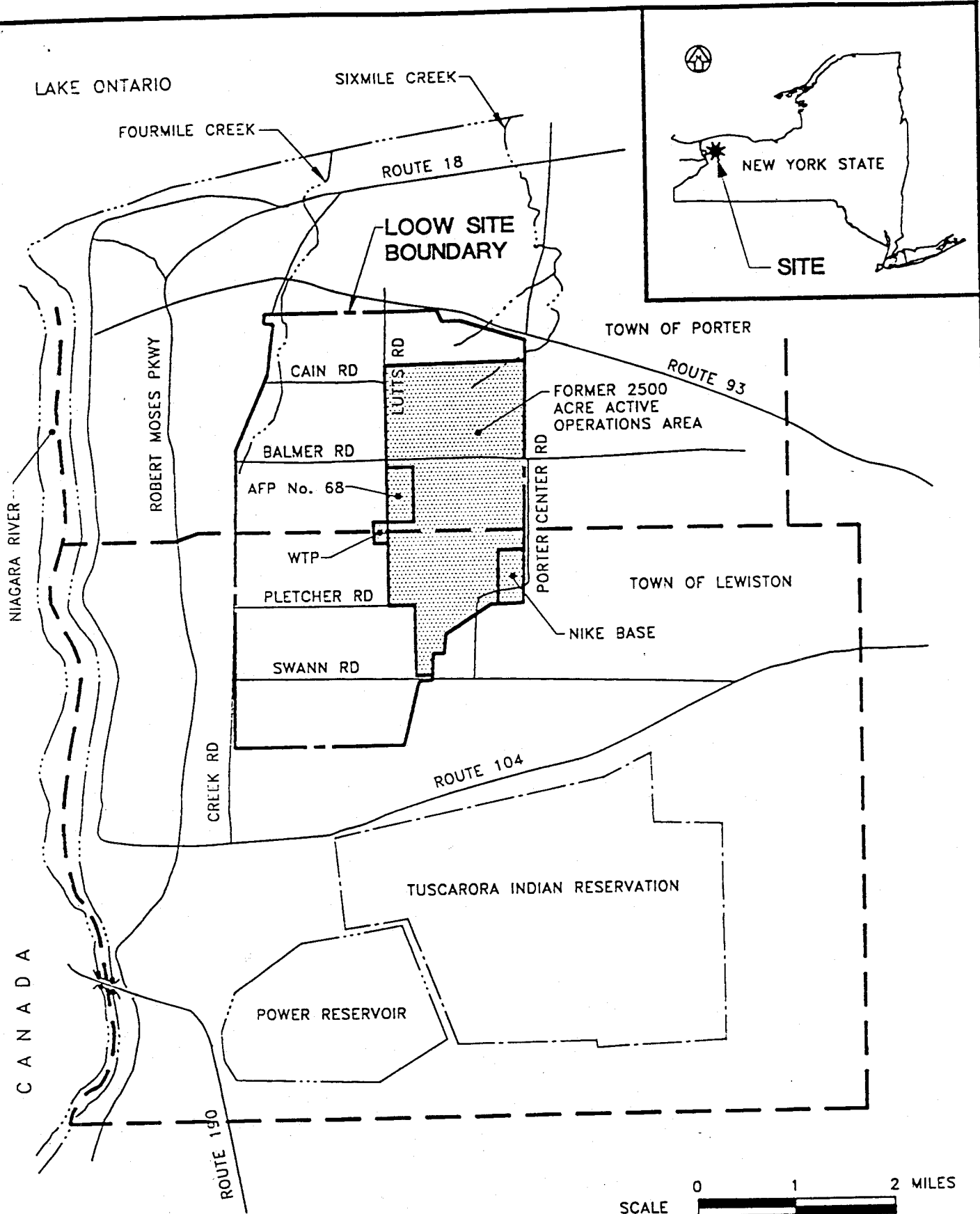
* Phase II Remedial Investigation

PROJECT COST:

Estimated Federal Cost	\$4,000,000
Estimated Non-Federal Cost	\$0
Total	\$4,000,000

CONTACT:

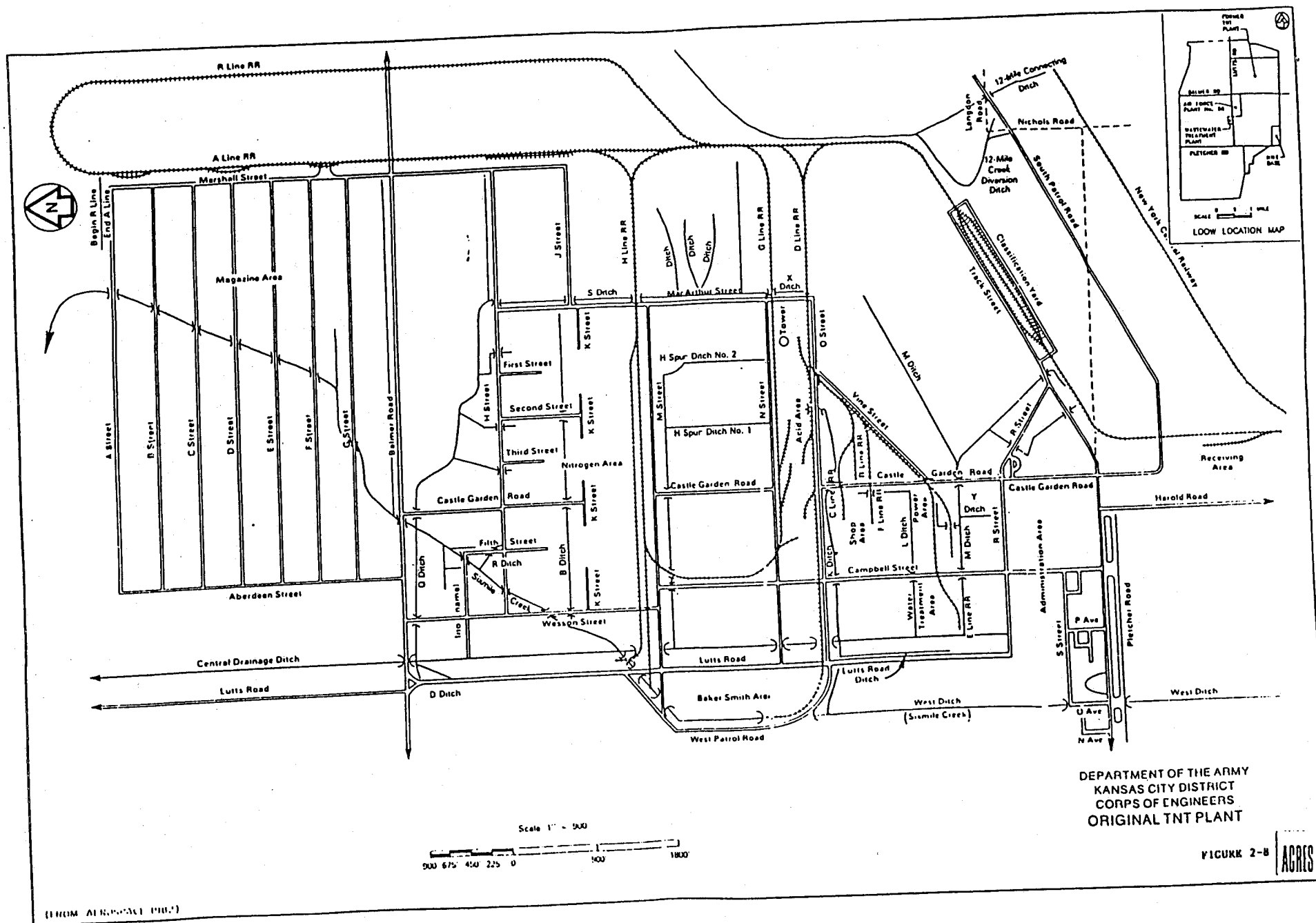
David J. Brouwer, Project Manager, (908) 435-0079



LOOW LOCATION MAP

FIGURE 1



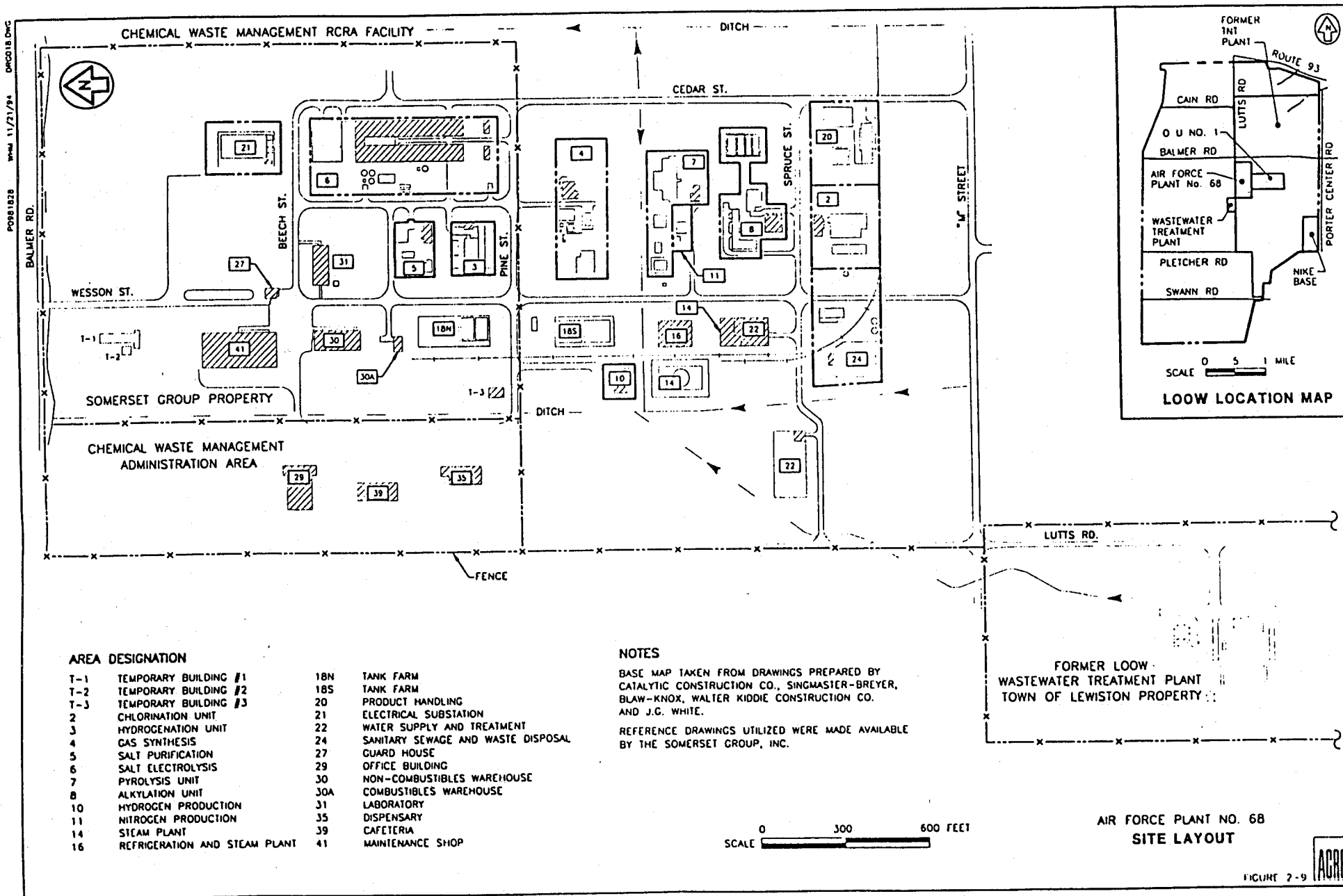


(FROM AIRCRAFT PHOTO)

DEPARTMENT OF THE ARMY
KANSAS CITY DISTRICT
CORPS OF ENGINEERS
ORIGINAL TNT PLANT

FIGURE 2-B

ACRIS



AREA DESIGNATION

T-1	TEMPORARY BUILDING #1	18N	TANK FARM
T-2	TEMPORARY BUILDING #2	18S	TANK FARM
T-3	TEMPORARY BUILDING #3	20	PRODUCT HANDLING
2	CHLORINATION UNIT	21	ELECTRICAL SUBSTATION
3	HYDROGENATION UNIT	22	WATER SUPPLY AND TREATMENT
4	GAS SYNTHESIS	24	SANITARY SEWAGE AND WASTE DISPOSAL
5	SALT PURIFICATION	27	GUARD HOUSE
6	SALT ELECTROLYSIS	29	OFFICE BUILDING
7	PYROLYSIS UNIT	30	NON-COMBUSTIBLES WAREHOUSE
8	ALKYLATION UNIT	30A	COMBUSTIBLES WAREHOUSE
10	HYDROGEN PRODUCTION	31	LABORATORY
11	NITROGEN PRODUCTION	35	DISPENSARY
14	STEAM PLANT	39	CAFETERIA
16	REFRIGERATION AND STEAM PLANT	41	MAINTENANCE SHOP

NOTES

BASE MAP TAKEN FROM DRAWINGS PREPARED BY CATALYTIC CONSTRUCTION CO., SINGMASTER-BREYER, BLAW-KNOX, WALTER KIDDIE CONSTRUCTION CO. AND J.G. WHITE.

REFERENCE DRAWINGS UTILIZED WERE MADE AVAILABLE BY THE SOMERSET GROUP, INC.



US Army Corps
of Engineers®
New York District

Former Lake Ontario Ordnance Works, NY Interim Cleanup Actions

FACT SHEET

August 1997

DESCRIPTION:

Lake Ontario Ordnance Works was located within the Towns of Lewiston and Porter in Niagara County, New York, NY-25, about 10 miles north of the City of Niagara Falls. The original site encompassed 7,500 acres, but Department of Defense (DOD) activities only occurred on 2,500 acres. For 9 months during World War II, the Army manufactured TNT at a facility on the site which included a power plant, hospital, fire department, water supply system, and a waste treatment system. The majority of the property was sold to private interests in 1943 after the TNT plant was decommissioned, but the Government retained the former active 2,500-acre portion of the site. Between 1953 and 1955, a portion of the site was used to produce high-energy rocket fuel. As DOD operations ceased the property was sold. Chemical Waste Management, Somerset Group, and Lewiston are the current owners of the site. With the exception of the hazardous waste treatment, storage and disposal facility operated by Chemical Waste Management, a large portion of the remainder of the site has not been developed, since the property was transferred by the Government.

PROJECT DESCRIPTION:

An initial Corps investigation of the former ordnance works identified residues in the remains of the waste treatment systems on-site, and it also identified several areas where wastes were buried or left behind. Trinitrotoluene (TNT) residues were found in one waste system on-site, and high levels of organic compounds were found in the sludge in the other waste system. Drums containing acetone and other organic compounds were buried in Area A on the enclosed map. Soils and surface water in an adjacent burn pit used for the incineration of lithium, kerosene, and other substances, Area B, were found to contain elevated levels of metals, particularly boron and lithium. In addition, asbestos containing materials, 1-55 gallon drum of oil, and several containers of chemicals were found in buildings used for the production of the high energy fuels.

STATUS:

Final plans and specifications for the interim cleanup are being developed and should be completed in 1998. Under these plans, the pipelines containing TNT residues will be removed and treated on-site. The other waste pipelines will be cleaned and sealed in place. Contaminated soils and waters from all other areas will be removed and taken off-site for disposal.

Current issues: Limited funds available for Formerly Used Defense Site Program could delay start of interim cleanup until 1999.

Future planned activities:

- * Initiate interim cleanup

PROJECT COST:

Estimated Federal Cost	\$13,000,000
Estimated Non-Federal Cost	\$0
Total	\$13,000,000

CONTACT:

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