

CITIZEN PARTICIPATION PLAN

REMEDIAL OPERATION AND MAINTENANCE - FORMER GE FARRELL ROAD SITE

Prepared For:

Lockheed Martin Corporation

Syracuse, New York

Prepared By:

PARSONS ENGINEERING SCIENCE, INC.

290 Elwood Davis Road, Suite 312

Liverpool, New York 13088

Phone: (315) 451-9560

Fax: (315) 451-9570

April 1999



PARSONS

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SECTION 1 INTRODUCTION AND OVERVIEW OF THE CITIZEN PARTICIPATION PLAN

The New York State Department of Environmental Conservation (NYSDEC), in cooperation with the New York State Department of Health (NYSDOH) and Lockheed Martin Corporation (LMC) is committed to informing and involving the public during the remediation of the Former GE Farrell Road site (Figure 1.1).

The Citizen Participation (CP) Plan identifies community issues and information needs related to the Former GE Farrell Road site and describes CP activities to be conducted during the remediation of the Former GE Farrell Road site. The CP activities are designed to achieve the following objectives:

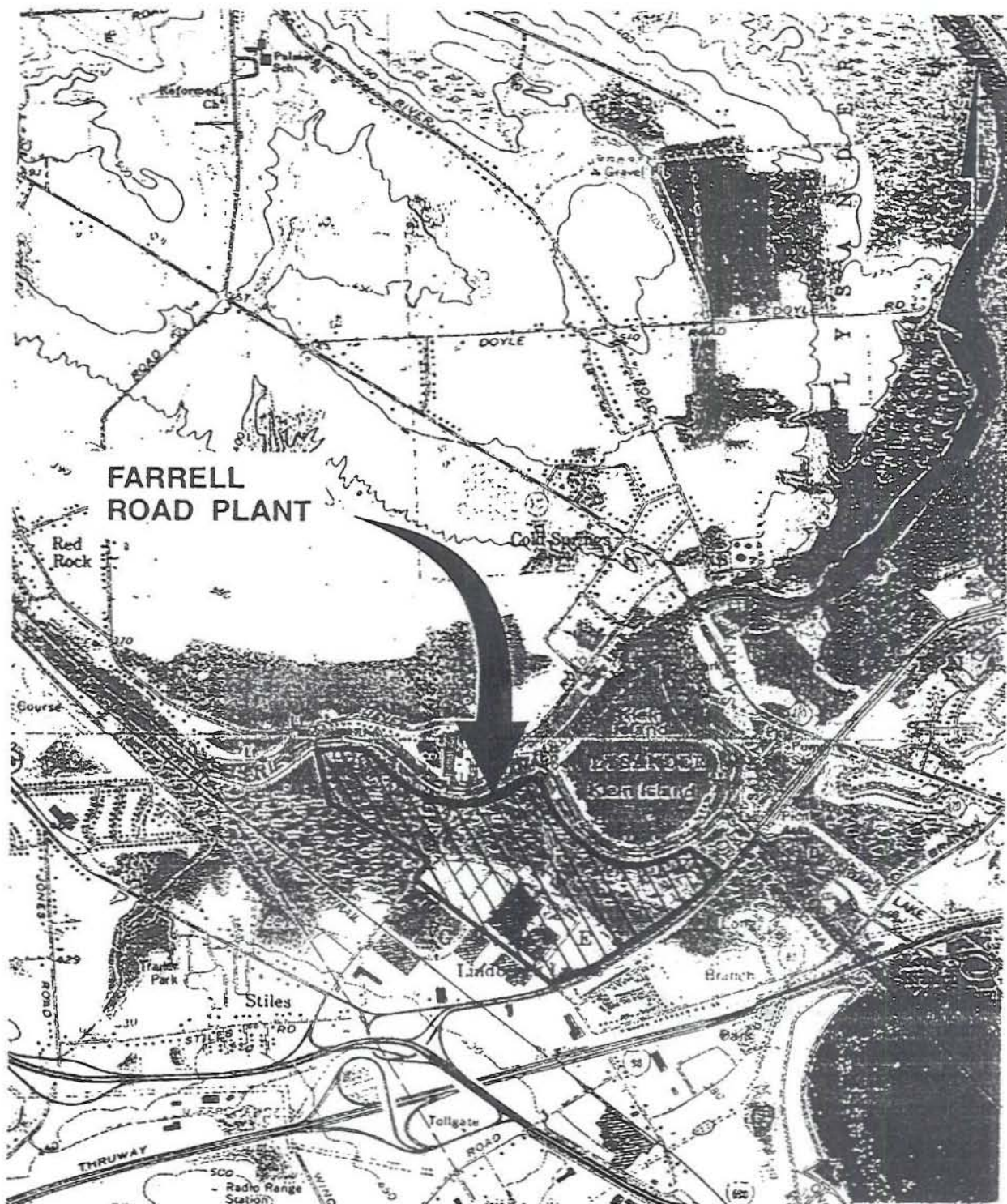
- assist the interested and affected public to understand the contamination at the Former GE Farrell Road Site and the nature and progress of NYSDEC's program to investigate and clean up the site;
- ensure open communication between the public and project staff throughout the remedial process;
- create opportunities for the public to contribute information, opinions and perspectives that have potential to influence decisions about the site's cleanup; and
- show that public input was received and considered, and how it was factored into decision making.

LMC will conduct the remediation with NYSDEC oversight. NYSDEC will implement the CP activities described in this CP Plan. NYSDOH will participate in these activities. LMC will assist with some CP activities under NYSDEC oversight, review and approval. This CP Plan supercedes the Citizen Participation Plan for Remedial Design, Construction, Operation and Maintenance, which was included as part of the Remedial Design (Parsons ES, 1998).

SECTION 2 SITE BACKGROUND

The Former GE Farrell Road Site is currently owned by Syroco, Inc., who operates the facility as a warehouse. The property was originally developed in the early 1960's by GE, and was used as a design, manufacturing and assembly center for radar and sonar equipment until December 1992. During this time, a variety of hazardous substances were used in the manufacturing and assembly processes, and leaks and spills occurred. Environmental investigations conducted at the site have determined that soil and groundwater have been impacted by past site activities. As a result of these findings, the site was placed on the NYSDEC Registry of Hazardous Waste Disposal Sites in October 1992 (Site No. 734055). LMC has assumed responsibility for the environmental investigation and cleanup of contamination at the site.

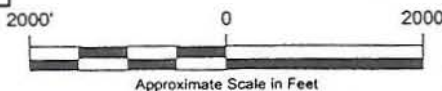
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NEW YORK
QUADRANGLE LOCATION

SOURCE: U.S.G.S. 7.5 MINUTE
TOPOGRAPHIC MAPS;
SYRACUSE WEST, 1973 PHOTOREVISED 1978;
BREWERTON, NY, 1973 PHOTOREVISED 1978;
BALDWINVILLE, NY, 1973, PHOTOREVISED 1978;
CAMILLUS, NY, 1973, PHOTOREVISED 1978

LATITUDE: N 43° 7' 15"
LONGITUDE: W 76° 15' 50"



Approximate Scale in Feet

FIGURE 1.1

**FORMER GE
FARRELL ROAD SITE**

SITE LOCATION MAP

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OFFICES IN PRINCIPAL CITIES

2.1 Project History

ERM conducted a preliminary hydrogeologic investigation in June 1991. The investigation was designed to determine site-wide groundwater flow direction, to estimate the extent of petroleum residuals near an underground storage tank (UST) T-51 east of Building No. 2, and to determine the potential effects of a septic leach field near the maintenance garage. Results indicated that groundwater generally flows in a north/northwest direction across the site and the groundwater adjacent to UST T-51 had been affected by petroleum residuals and volatile organic compounds (VOCs).

As a follow-up investigation, ERM conducted a Phase II Hydrogeologic Investigation in November 1991. The purpose of the investigation was to estimate the extent of petroleum residuals and VOCs in the soil and groundwater near UST T-51. The investigation determined that petroleum residuals were limited to the area near the removed UST, and VOCs (predominantly freon) were present in groundwater east of Building No. 2. ERM recommended further groundwater investigation.

Concurrent with the groundwater investigations at the site, ERM conducted a Phase I Environmental Site Assessment. The site assessment included a review of all available site records with environmental implications, examination of site manufacturing processes, storage and disposal procedures, and interviews with current and past employees.

Based on the Phase I report, ERM identified 16 areas of concern (AOCs) at the Farrell Road site that needed further investigation. Each of these areas of concern was investigated in 1992. Based on the results of the 1992 investigation, further site investigation was completed in 1993 and 1994.

Following the completion of the remedial investigation (RI) of the site during 1993 and 1994, ERM prepared a report entitled "1994 Remedial Investigation at the Farrell Road Plant," dated May 1995 (including subsequent addenda and revisions). The RI report included the sampling and analysis of soil from the previously identified AOCs and sampling and analysis of groundwater from on-site monitoring wells.

The original Feasibility Study (FS) for the site was completed in August 1995. However, a revised FS was completed in February 1997. The revised FS included data from the RI and three additional investigations conducted at the site, as discussed below.

A light non-aqueous phase liquid/dense non-aqueous phase liquid (LNAPL/DNAPL) RI was conducted by Blasland, Bouck & Lee, Inc. (BB&L) at AOC 5 to evaluate the presence, extent, and composition of LNAPL and to assess whether DNAPL was present in the subsurface. Investigative activities were conducted from September to November 1995. The investigation results are presented in the report entitled, "Addendum Remedial Investigation Report Area of Concern 5 LNAPL/DNAPL Investigation" (BB&L, 1996).

ERM completed two additional investigations of the area adjacent to storm sewer Outfall 003 to define the extent of soil and sediment at the discharge location of storm

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sewer Outfall 003 during the RI field activities conducted in March 1994. In March 1995, analytical results from several locations within the storm sewer Outfall 003 drainage swale indicated that soils adjacent to storm sewer Outfall 003 were impacted by low levels of VOCs and PCBs. In September and October 1995, several surface soil samples were collected adjacent to storm sewer Outfall 003 to define the extent of PCB-affected soil. An areal extent of soil and sediment containing PCBs in excess of one part per million (PPM) was delineated as encompassing approximately 3,550 square feet as a result of the investigation. Results from these investigations are presented in the report entitled, "Addendum Remedial Investigation Report Soil Investigations Adjacent to storm sewer Outfall 003" (BB&L, 1996b). To address these contaminated soils, an Interim Remedial Measure (IRM) was completed in August 1996, which consisted of excavation and off-site disposal of the PCB-impacted soil.

Based on the findings of all site investigation activities, the final FS was prepared and approved by the NYSDEC (Parsons ES, February 1997). Based on the results of the RI/FS, the NYSDEC proposed a cleanup plan and presented it to the public at a public meeting in March 1997. After receiving comments from the public, in April 1997 the NYSDEC finalized the plan in a document called a Record of Decision (ROD). Following issuance of the ROD, LMC entered into the Remedial Program Consent Order Index #A7-001-97-08 with the NYSDEC, executed on March 27, 1998.

SECTION 3 PROJECT DESCRIPTION

As specified in the ROD, the elements of the selected remedy are as follows:

1. A remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Any uncertainties identified during the RI/FS will be resolved.
2. Installation and operation of a groundwater recovery system composed of a series of wells along the northern edge of the developed portion of FRP-2, in combination with the groundwater recovery system already in operation at AOC 16, to intercept and remove the contaminated groundwater.
3. Installation and operation of an air stripper treatment system to treat the recovered groundwater so that it meets the water discharge requirements, and operation of an air emission treatment system, if required under applicable regulations, to meet air emission requirements.
4. Discharge of the treated water into the wetland in a manner that will maintain an appropriate water distribution in the wetland.
5. Continued operation of the source control IRMs at AOCs 5, 7, and 16, in accordance with the IRM Work Plans for these areas.

6. Continued operation of the groundwater recovery and treatment system until groundwater contaminant concentrations achieve groundwater standards, where practicable.
7. Since the remedy results in hazardous waste remaining at the site for an extended period of time, a long-term monitoring program will be instituted to monitor the effectiveness of the selected remedy, as a component of the operation and maintenance for the site.
8. The site will be reclassified as a Class 4 site, which indicates a site where remedial construction actions have been completed, but that requires continued operation, maintenance, and/or monitoring.

3.1 Project Status and Schedule

In preparation for the remedial design, in October 1997, a Phase I Pre-Design Investigation (PDI) was conducted to assess the soil and groundwater characteristics along the north border of the FRP-2 portion of the site where the proposed remedial action is to be implemented. The Phase I PDI consisted of soil characterization in support of the groundwater recovery well design and groundwater chemical characterization from temporary and permanent monitoring wells in support of the groundwater treatment system design. The results of the Phase I PDI were provided to the NYSDEC on January 30, 1998.

In May 1998, a Phase II PDI was conducted to determine the radius of influence for the site-wide groundwater extraction and treatment system extraction wells, to determine the pumping rate necessary to achieve hydraulic containment, and to collect groundwater samples to verify groundwater characteristics upon which to base the site-wide groundwater collection and treatment system design.

The results of the Phase II PDI concluded that four extraction wells are necessary to capture site-wide groundwater; the existing AOC #16 groundwater treatment system is capable of treatment of all of the VOCs from the site-wide groundwater extraction wells to levels below effluent limitations; and the combined air emissions from the AOC #16 SVE system and the air stripping system during treatment of AOC #16 and site-wide groundwater will not result in unacceptable air quality impacts. Therefore, it was determined that no air emissions control will be required. The results of the Phase II PDI and the basis of design for the site-wide groundwater extraction and treatment system were provided to the NYSDEC on October 14, 1998.

Based on the results of the Phase I PDI, Phase II PDI, previous site investigations, and the remedial goals specified in the ROD, LMC completed the remedial design for the site-wide groundwater extraction and treatment system.

Construction of the site-wide groundwater extraction and treatment system began on January 11, 1999 and was completed on February 19, 1999. The system began operating on February 22, 1999. On-going cleanup of the site will consist of continued operation of

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the IRMs, and the site-wide groundwater extraction and treatment system. These systems will be operated until the impacted soil and groundwater have been cleaned up to levels acceptable to the NYSDEC. It is anticipated that the site will be reclassified from a Class 2 site on the NYSDEC Registry of Hazardous Waste Disposal Sites to a Class 4 site following NYSDEC approval of the Certification Report, Site-Wide Operation and Maintenance Plan, and issuance of a Fact Sheet.

SECTION 4 COMMUNITY ISSUES AND CITIZEN PARTICIPATION ACTIVITIES

The following citizen participation activities will be completed during operation and maintenance of the site-wide groundwater extraction and treatment system, and operation and maintenance of the ongoing IRMs:

- distribution of a Fact Sheet by the NYSDEC to parties included on the public contact list following remedial construction completion describing the construction of the remedial system;
- preparation of a Citizen Participation Record for Operation and Maintenance by the NYSDEC;
- preparation of a Site Issues and Community Profile Scoping Sheet for Operation and Maintenance by the NYSDEC; and
- distribution of a Fact Sheet by the NYSDEC to parties included on the public contact list regarding reclassification of the site from a Class 2 site to a Class 4 site, and announcing a public comment period.

All of the documents listed above will be available in the document repositories. The purpose of the Citizen Participation Record will be to effectively plan and conduct citizen participation activities and to establish a record for the public, which clearly identifies and tracks completion of the required citizen participation activities. The Fact Sheets will provide the following:

- a brief history of the site;
- a description of the remedial action plan and the general schedule of the major activities to implement the plan;
- a description of the remaining citizen participation activities that will be conducted, their general timing, and how they relate to remedial activities;
- the location, days and hours of operation of the site's document repositories and the documents available;
- staff contacts and other ways people can obtain more information;
- a description of any action which is likely to affect the public or require the public to take action.

SECTION 5 PROJECT CONTACTS

For additional information about the program to remediate the Former GE Farrell Road site, the public is encouraged to contact any of the following project staff:

New York State Department of Environmental Conservation (NYSDEC):

NYSDEC Inactive Hazardous Waste Site Toll-Free Information Number: **1-800-342-9296**
(Calls recorded 24 hours a day. Calls are returned during business hours)

John Strang, Project Manager
NYSDEC
50 Wolf Road
Albany, NY 12233
(518) 457-0414

New York State Department of Health (NYSDOH)

NYSDOH Health Liason Program (HeLP) Toll-Free Number: **1-800-342-1158, ext. 402**

Henriette Hammel, R.S.
NYSDOH
217 South Salina Street, 3rd Floor
Syracuse, NY 13202-3592
(315) 426-7627

SECTION 6 DOCUMENT REPOSITORIES AND LIST OF AVAILABLE DOCUMENTS

Two documents repositories have been established to provide the public with convenient access to important project documents and other information. This information includes site investigation reports, the FS, Fact Sheets, the ROD, the Remedial Design, and the Construction Certification Report. The Farrell Road site document repositories are:

Liverpool Public Library
310 Tulip Street
Liverpool, New York 13088
(315) 457-0310

Solvay Public Library
615 Woods Road
Solvay, New York 13209
(315) 468-2441

The Liverpool Public Library was the document repository previously identified at the start of the site investigation program, and therefore has a complete set of the documents

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listed below. The Solvay Public Library was added as a document repository as a result of the public meeting associated with the ROD. Therefore, documents finalized prior to completion of the 1994 Remedial Investigation Report are not available at the Solvay Public Library.

Available Documents

The following documents are available at the Liverpool Public Library and Solvay Public Library document repositories:

- 1994 Remedial Investigation Report;
- Addendum to Final RI Report Further Evaluation of Soil and Groundwater at Area of Concern 10;
- Addendum Remedial Investigation Report, Area of Concern 5, LNAPL/DNAPL Investigation;
- Addendum Remedial Investigation Report, Soil Investigations Adjacent to Storm Sewer Outfall 003;
- Feasibility Study;
- Proposed Remedial Action Plan (PRAP);
- Record of Decision (ROD);
- A letter report dated January 30, 1998, Re: Results of the Phase I Pre-Design Investigation and Work Plan for the Phase II Pre-Design Investigation;
- Phase II Pre-Design Investigation Report and Basis of Design for the Site-Wide Groundwater Extraction and Treatment System; and
- Remedial Design Report for the Site-Wide Groundwater Extraction and Treatment System.
- Construction Certification Report for the Site-Wide Groundwater Extraction and Treatment System.
- Operation and Maintenance Plan for the Site-Wide Groundwater Extraction and Treatment System and IRMs at AOC #5, AOC #7, and AOC #16.

In addition, the following documents are available at the Liverpool Public Library document repository:

- Preliminary Hydrogeologic Investigation of the GE Aerospace Farrell Road Plant;
- Phase II Hydrogeologic Investigation at GE Aerospace Farrell Road Plant;
- Phase I Environmental Assessment of Former GE Farrell Road Plant One (FRP-1), Town of Geddes, New York;

- Phase I Environmental Assessment of Former GE Farrell Road Plant Two (FRP-2), Syracuse, New York;
- Environmental Investigation, Former GE Farrell Road Plant Two (FRP-2), Syracuse, New York;
- Environmental Investigation, Former GE Farrell Road Plant One (FRP-1), Syracuse, New York;
- Debris Pile Excavation, Former GE Farrell Road Plant Two; Addendum to the 1992 Environmental Investigation;
- A letter report dated 15 September 1992; Re: PCB Sampling at Farrell Road Plant Two;
- Garage Area Investigation, Former GE Farrell Road Plant Two, Addendum to the 1992 Environmental Investigation;
- A letter report dated 23 October 1992; Re: Groundwater Sampling North of the Farrell Road Plant;
- Accelerated RI/FS Task;
- IRM Work Plan for Catch Basins and Associated Piping,
- Certification Report Farrell Road Plant Interim Remedial Measure Catch Basins and Associated Piping; and
- RI/FS Work Plan.

SECTION 7 POTENTIALLY AFFECTED/INTERESTED PUBLIC (CONTACT LIST)

The following contact list has been developed to help NYSDEC to keep the community informed about and involved in the remedial process for the Former GE Farrell Road site. The list includes adjacent/nearby property owners; local, regional and state officials; local media; civic, business and/or environmental organizations and others.

County And State Officials

The Honorable Charles E. Shumer
United States Senator
100 South Clinton Street, Room 841
Syracuse, NY 13261-7318

The Honorable Daniel P. Moynihan
United States Senator
Russell Senate Office Bldg, Room 464
Washington, D.C. 20510-3201

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The Honorable James T. Walsh
United States Representative
100 South Clinton Street
Syracuse, NY 13261-7306

The Honorable Nicholas J. Pirro
Onondaga County Executive
John H. Mulroy Civic Center
411 Montgomery Street, Room 201
Syracuse, NY 13202

M. Ann Ciarpelli
Onondaga County Clerk
Onondaga Court House
401 Montgomery Street, Room 201
Syracuse, NY 13202-2171

Sen. Nancy Lorraine Hoffman
813 State Office Building
333 E. Washington Street
Syracuse, NY 13202

Sen. John A. DeFrancisco
804 State Office Building
333 E. Washington Street
Syracuse, NY 13202

William B. Magnarelli, Assemblyman
804 State Office Building
333 E. Washington Street
Syracuse, NY 13202

Town of Geddes Officials

Manuel M. Martinez
Town Supervisor
1000 Woods Road
Solvay, NY 13209

Frances A. Marino
Town Clerk
203 Stasko Drive
Syracuse, NY 13209

Donald H. Beattie
Planning Board
112 Treeland Circle
Syracuse, NY 13219

Russell A. Miller
Zoning Board of Appeals
610 Parson Drive
Syracuse, NY 13219

John E. Ferris
Town Attorney
110 Brentwood Drive
Syracuse, NY 13219

**Site/Adjacent Property Owners and Other
Potentially Interested parties**

Marion Shattell
Atlas Bituminous
P.O. Box 219
Liverpool, NY 13088

Denny Randall
Syroco
7528 State Fair Blvd.
Baldwinsville, NY 13027

Valerie Krawcak
107 Highland Ave
Syracuse, NY 13212

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Geddes Enterprises, Inc.
519 Charles Avenue
Syracuse, NY 13209

Edwin Yager and Joseph Susco
332 Lakeside Road
Solvay, NY 13209

United Refrigerated Services, Inc.
P.O. Box 4893
Syracuse, NY 13221

The Coca Cola Bottling
Company Of NY Inc.
Box 1820
20 Horseneck Lane
Greenwich, CT 06836

Anthony DeMarco
110 Pond Lane
Syracuse, NY 13208

John Fritzen
126 Curtis Ave
Syracuse, NY 13209

Norman R. Garofano
416 Newcastle Road
Syracuse, NY 13219

Richard R. Capozza, Esq.
Hiscock & Barclay, LLP
221 South Warren Street
Syracuse, NY 13202

Sandra Lee Fenske, Esq.
General Counsel
Lockheed Martin Corporation
P.O. Box 4840 EP-7
Syracuse, NY 13221-4840

Mary Jo Pollidor
Lockheed Martin Corporation
Public Affairs and Communications
P.O. Box 4840
Syracuse, NY 13221-4840

Bill Yager
6618 Van Baren Road
Warners, NY 13164

John F. Gosson
Councilor
752 State Fair Blvd.
Syracuse, NY 13209

Kenneth Osterhout
Councilor
132 Rutledge St.
Syracuse, NY 13219

James F. Henson
Councilor
308 Parsons Drive
Syracuse, NY 13219

Francis V. Palerino
Councilor
118 Freeman Ave
Solvay, NY 13209

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Noreen Jankowski
Councilor
111 Bury Drive
Syracuse, NY 13209

Thomas R. Mamorella
Councilor
507 Hatherleigh Rd
Syracuse, NY 13209

Mr. Brian A. Kent
Lockheed- Martin Corporation
Manager ESH
Electronics Park
Syracuse, NY 13221

Local Media

WHEN Radio News Director
500 Plum Street, Suite 100
Syracuse, NY 13204

WAQX 95.7 News Director
1064 James Street
Syracuse, NY 13203

Pennysaver News Department
750 W. Genesee Street
Syracuse, NY 13204

WIXT-TV 9 News Department
5904 Bridge Street
Syracuse, NY 13057

WSYR Radio News Director
500 Plum Street, Suite 100
Syracuse, NY 13034

WSEN News Director
P.O. Box 1050
Baldwinsville, NY 13027

Syracuse New Times
1415 West Genesee Street
Syracuse, NY 13204

WSTM-TV3 News Department
1030 James Street
Syracuse, NY 13203

WTVH-TV News Department
980 James Street
Syracuse, NY 13203

WCNY FM News Director
506 Old Liverpool Road
Liverpool, NY 13088

Y 94 FM News Director
500 Plum Street
Suite 100
Syracuse, NY 13034

Syracuse Post Standard
Clinton Square
Box 4818
Syracuse, NY 13221

North Syracuse Star News
428 South Main Street
Syracuse, NY 13212

Syracuse Herald Journal
Clinton Square
Box 4915
Syracuse, NY 13221

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Editor, CNY Environment
658 West Onondaga Street
Syracuse, NY 13204

WCNY-TV News Director
506 Old Liverpool Road
Liverpool, NY 13088

State Officials and Agencies

Sue VanPatten
Health Liaison Program
NYS Department of Health
2 University Place, Rm 240
Albany, NY 12203-3399

Charles Branagh, P.E.
NYSDEC Region 7 Syracuse
615 Erie Boulevard West
Syracuse, NY 13204-2400

Gina Alito
Citizen Participation Specialist
NYSDEC Region 7 Syracuse
615 Erie Boulevard West
Syracuse, NY 13204-2400

Henriette Hamel, FS
NYS Department of Health
Office of Public Health
217 South Salina Street
Syracuse, NY 13202

Robert L. Burdick, Director
Onondaga County Health Dept.
P.O. Box 15190
Syracuse, NY 13213-0190

Document Repositories

Liverpool Public Library
2310 Tulip Street
Liverpool, NY 13088

Solvay Public Library
615 Woods Road
Solvay, NY 13209