

**MALCOLM  
PIRNIE**

# **CITIZEN PARTICIPATION PLAN**

**Remedial Action  
Former Abalene Pest Control  
Moreau, New York**

**NYSDEC Site Number 546035**

**Orkin Exterminating Company, Inc.  
Atlanta, Georgia**

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March 1999  
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## **1.0 INTRODUCTION**

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The Citizen Participation Plan (CPP) for the former Abalene Pest Control site, owned by Orkin Pest Control (Orkin), in Moreau, New York, has been developed to provide a site-specific outline and guidance for citizen participation. The CPP was prepared in accordance with 6 NYCRR Part 375 and the New York State Department of Environmental Conservation (NYSDEC) guidance document, New York State Inactive Hazardous Waste Site Citizen Participation Plan (August, 1988). Orkin and the NYSDEC are committed to a citizen participation program as a part of the Remedial Action (RA) process at the former Abalene Pest Control site. Citizen participation promotes public understanding of the responsibilities, planning activities, and remedial activities associated with this process. Citizen participation provides Orkin and the NYSDEC with an opportunity to gain public input to support a comprehensive remedial program which is protective of both public health and the environment.

## **2.0 SITE BACKGROUND**

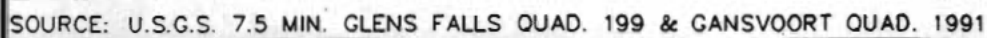
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### **2.1 Site Location**

The former Abalene Pest Control site is located at the intersection of Reservoir Road and U.S. Route 9 in the Town of Moreau, Saratoga County, New York (Figure 1). The site is approximately 34,000 square feet in size and has an eight-foot high chain-link fence along its perimeter. Within the fenced boundary of the property are three wooden framed buildings (office, storage shed and barn) which were previously used during the formulation and storage of pesticides. Surrounding land use is residential and commercial.

### **2.2 Site History**

Abalene Pest Control owned and operated a pesticide formulation and storage facility at the site from 1975 until 1986. On December 31, 1986, Orkin purchased the site and continued its operation for approximately three months. Orkin ceased operations at the site in early 1987.



ABALENE PEST CONTROL  
MOREAU, NEW YORK  
**SITE LOCATION MAP**

**FIGURE 1**



On March 30, 1987, the NYSDEC discovered that pesticide wastes had been buried in a disposal pit on the eastern portion of the property. As an emergency response action, the NYSDEC Region 5 Spill Response hired a contractor to excavate the wastes under the supervision of the NYSDEC.

Subsequent to the NYSDEC's excavation of the pit, Abalene Pest Control hired Swanson Environmental, Inc. (Swanson) which arranged for the proper staging and off-site disposal of the pesticide/herbicide containers, PPE, and sampling equipment.

Swanson also collected and analyzed soil samples. Based on this initial scope of work, Swanson was retained to investigate the extent of pesticide/herbicides in the soil and groundwater. The results of this work were reported by Swanson on October 12, 1987 in the report entitled, "Report on Interim Remedial Action, Soils and Groundwater Investigation."

In May 1987, Swanson was contracted by Orkin to conduct off-site sampling and analysis of several residential water supply wells surrounding the site. Residential wells exhibiting low concentrations of pesticides were fitted with carbon filtration units. In subsequent years, carbon filtration units on additional homes have been added by Orkin at the request of property owners. The periodic sampling of raw water and maintenance of the carbon filtration units is a continuing activity.

An interim remedial measure (IRM) to address the former waste disposal pit was performed by Fred C. Hart Associates in May 1988. The IRM included double lining the disposal pit with Visqueen and placing the stockpiled soils back in the pit. The backfilled pit was covered with clean sand to create a mound to minimize infiltration in this area and an excavation of a drainage ditch surrounding the pit area to divert surface water flow. A chain-link fence was installed surrounding the backfilled pit to secure the area. Crushed stone was placed on the site soils to prevent off-site migration of dust.

The former Abalene Pest Control site is classified by the NYSDEC as a Class 2 - Inactive Hazardous Waste Disposal Site (Site No. 546035). Pursuant to a Consent Order, the NYSDEC required that a Remedial Investigation/Feasibility Study (RI/FS) be undertaken at the site in order to determine the nature and extent of the identified contamination at the site, define the potential risks and to select an appropriate remedial action. The identified

contamination at the site includes pesticides, volatile organic compounds, and selected metals.

The RI was conducted between June 1992 and June 1994 by Malcolm Pirnie, Inc. (Malcolm Pirnie). The RI included investigation of contamination in the air, surface soil, subsurface soil, the former disposal pit, and groundwater. A Health Risk Assessment and Fish and Wildlife Impact Analysis were also performed.

No pesticides were detected in the ambient air. The surface soil sampling identified four locations with concentration of total pesticides greater than 100 parts per million (ppm). The off-site surface soil samples ranged from less than 1 ppm to 27.6 ppm. The pesticide concentrations decreased significantly with increasing depth. The two soil samples collected from between the liners of the former disposal pit contained concentrations of 152 ppm and 126 ppm total pesticides and the two soil samples collected from 3 feet below the former disposal pit contained concentrations of 1.2 ppm and 19.1 ppm total pesticides.

Several pesticides were detected in groundwater samples from within the shallow groundwater monitoring wells. These pesticides include Lindane, Chlordane, 4,4'-DDE, Heptachlor, and Bromacil. Groundwater standards were exceeded in four samples collected from on-site monitoring wells for Lindane and one sample collected from an on-site monitoring wells for Chlordane. Groundwater analytical results for samples collected from the deep monitoring wells did not indicate the presence of any pesticides/herbicides. Tap water samples were collected from 11 residences surrounding the site. The results of this sampling indicated non-detectable levels of all compounds analyzed for with the exception of the sample collected from the [REDACTED] supply well. Following the initial sampling and prior to the resampling of the [REDACTED] supply well, a new, deeper well was installed to replace the existing well. The analytical results of the new water supply were reported as non-detect.

### **3.0 PROJECT DESCRIPTION**

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Based on the results of the RI/FS, the NYSDEC issued the Record of Decision (ROD) in January 1996 which presents the selected remedial action for the former Abalene Pest Control site. The selected remedy for the site includes the following:

- Abandonment of the on-site drinking water well(s),
- Building demolition and off-site disposal,
- Fence removal,
- Excavation of off-site soil contaminated with pesticides in excess of Target Concentration Limits,
- Excavation of soil 3 inches deep in a 10 to 15 foot radius around four isolated "hot spots" of elevated surface contamination on-site,
- Underground gasoline storage tank excavation and removal,
- Cleaning and in-place abandonment of septic tanks,
- Excavation and removal of the soil between the liners in the former disposal pit area,
- Placing a geotextile material and 12 inches of topsoil over the northeast portion of the site that includes the disposal pit area,
- Spot excavation 3 inches deep around select locations,
- Site grading and placement of a 6-inch topsoil cap over the entire site, and
- Development of a Maintenance and Monitoring Plan which will address issues including the continued integrity of the topsoil cap and any changes in the status of the site.

Off-site and on-site soils with a concentration greater than 100 ppm of total pesticides will be disposed of in a permitted facility. Excavated soils with a concentration less than 100 ppm of total pesticides will be consolidated and placed under the geotextile material in the northeast portion of the site.

#### **4.0 CITIZEN PARTICIPATION ACTIVITIES**

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Citizen participation activities are planned to promote communication between the community surrounding the former Abalene Pest Control site, the NYSDEC, and Orkin.

##### **4.1 Document Repository**

A local document repository (Appendix B) will be established at the Crandal Public Library at the start of RA activities. Documents related to the RA and citizen participation activities will be placed at the document repository for public review.

##### **4.2 Remedial Action Work Plan**

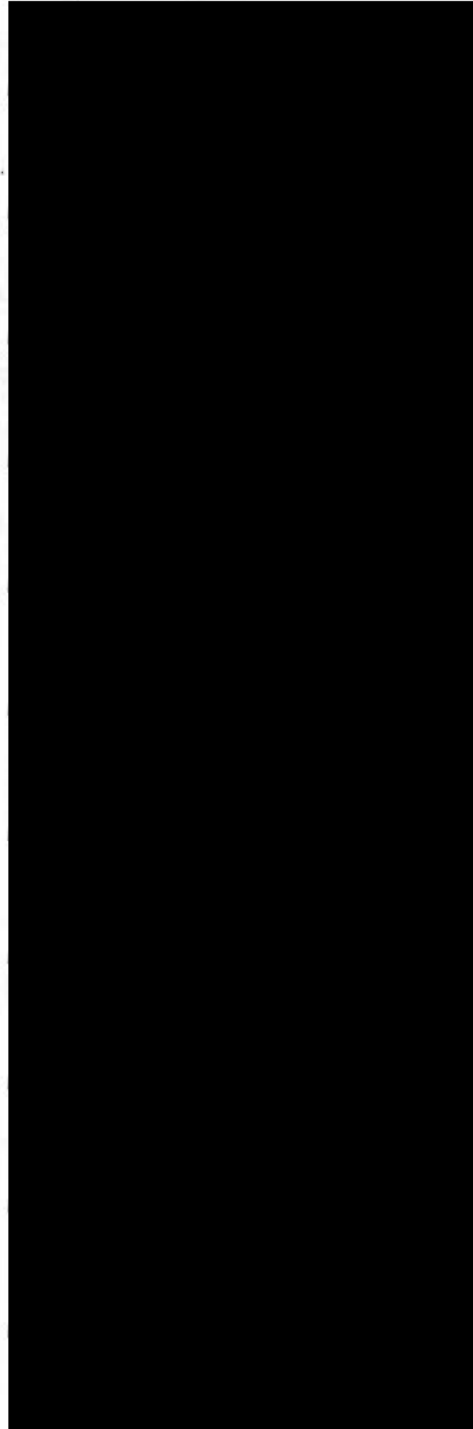
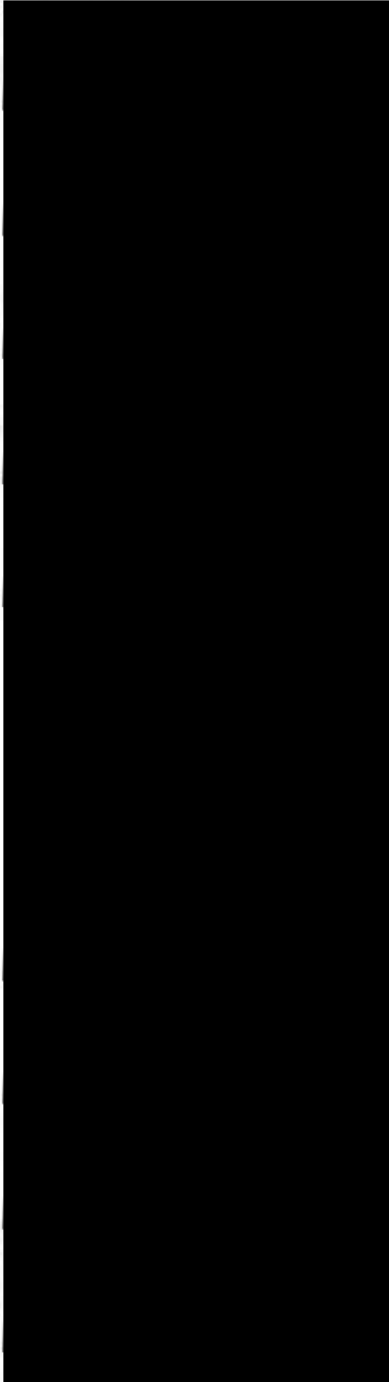
A copy of the final Remedial Action Work Plan will be placed in the local document repository. A fact sheet which will briefly describe the site, Remedial Action Work Plan objectives and activities planned for the RA will be mailed to the Contact List (Appendix A). In addition, the fact sheet will indicate the location of the local document repository and identify appropriate points of contact.

**APPENDIX A**

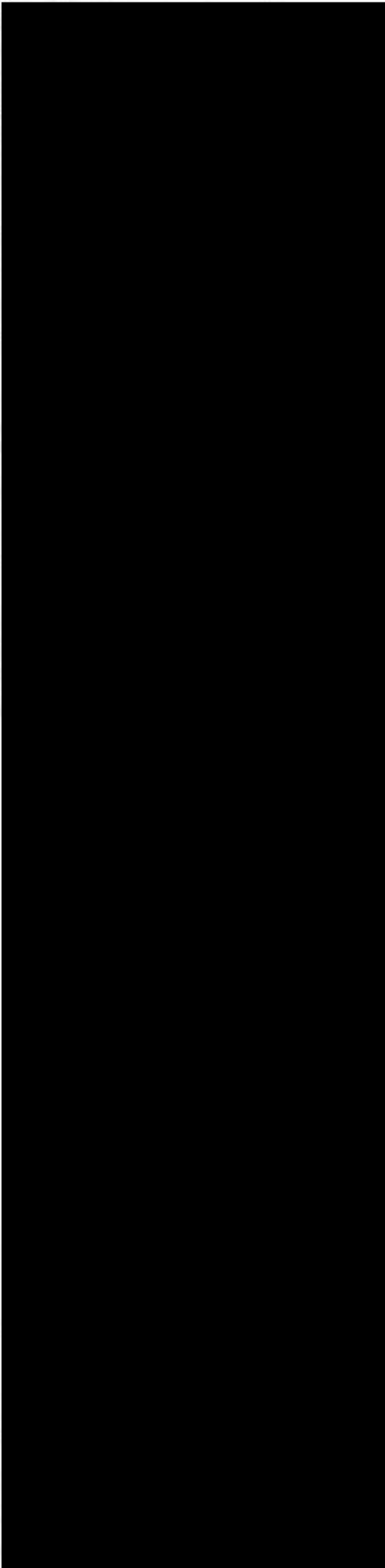
**Contact List**

**APPENDIX A**

**CONTACT LIST**







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Senator Daniel Patrick  
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### **U.S. House of Representatives**

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**APPENDIX B**

**Document Repository**

## APPENDIX B

### LOCATION OF DOCUMENT REPOSITORY

Crandal Public Library  
251 Glen Street  
Glens Falls, NY  
(518) 792-6508

Hours: Monday - Wednesday	9:00 am to 9:00 pm
Thursday - Friday	9:00 am to 6:00 pm
Saturday	9:00 am to 5:00 pm
Sunday	1:00 pm to 5:00 pm



## **APPENDIX C**

### **Glossary**

## APPENDIX C

### GLOSSARY OF COMMONLY USED CITIZEN PARTICIPATION TERMS

**Community Participation** - A process to inform and involve the interested/affected public in the decision-making process during identification, assessment and remediation of inactive hazardous waste sites. This process helps to assure that the best decisions are made from environmental, human health, economic, social and political perspectives.

**Citizen Participation Plan** - A document that describes the site-specific community participation activities that will take place to complement the "technical" (remedial) activities. It also provides site background and rationale for the selected community participation program at the site. A plan may be updated or altered as public interest or the technical aspects of the program change.

**Consent Order** - A legal and enforceable negotiated agreement between the NYSDEC and the potentially responsible party in which the potentially responsible party agrees to undertake investigation and remediation, if necessary, at the site. The Consent Order includes a description of the remedial actions to be taken and a schedule for implementation.

**Contact List** - Names, addresses and/or telephone numbers of individuals, groups, organizations and media interested and/or affected by an inactive hazardous waste site. The contact list is used to inform and involve the interested/affected public.

**Document Repository** - A location, typically a public building, near a particular site at which documents related to remedial and community participation activities at the site are available for public review. The document repository provides access to documents at times and a location convenient to the public.

**Fact Sheet** - A written discussion of the site's history, the status of the environmental study, or the remedial process. The fact sheet may be mailed to all or part of the contact list, distributed at meetings, or sent on an "as requested" basis.

**Feasibility Study (FS)** - A process for developing, evaluating and selecting remedial actions, using data gathered during the RI to: define objectives of the remedial program for the site and broadly develop remedial action alternatives; perform an initial screening of these alternatives; and perform a detailed analysis of a limited number of alternatives which remain after the initial screening stage.

**Potentially Responsible Party (PRP)** - Individuals, companies (e.g. site owners, operators, transporters or generators of hazardous waste) who may be responsible for an inactive hazardous waste disposal site.

**Proposed Remedial Action Plan (PRAP)** - A public document prepared by the NYSDEC after the Feasibility Study which summarizes the remedial options for a site and proposes a specific remedial alternative for implementation.

**Public** - The universe of individuals, groups and organizations: a) affected (or potentially affected) by the site and/or its remedial program; b) interested in the site and/or its remediation; c) having information about the site and its history.

**Public Consultation/Community Meeting** - A scheduled gathering which may present study findings, discuss alternatives, respond to questions and receive public comment.

**Record of Decision (ROD)** - A public document prepared by the NYSDEC following the selection of a remedy for a site. The ROD presents the rationale for the selected remedy and is prepared after a public comment period on the PRAP.

**Registry** - The NYSDEC Registry of Inactive Hazardous Waste Disposal Sites in New York State.

**Remedial Action Work Plan** - Once a remedial action has been selected, technical plans and specifications for the remedial action at a site are developed, as specified in the ROD. The documents are used to bid and construct the selected remedial action.

**Remedial Investigation (RI)** - A process to determine the nature and extent of contamination by collecting data and analyzing the site. It includes sampling and monitoring, as necessary, and includes the gathering of sufficient information to determine the necessity for, and proposed extent of, a remedial program for the site.

**Responsiveness Summary** - A summary and response to public questions and comments.

**APPENDIX D**

**Points of Contact**

## APPENDIX D

### POINTS OF CONTACT LIST

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Environmental Conservation  
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