

**Privileged and Confidential:  
Prepared at General Motors Counsel's Request**

**DRAFT**

**GALBESTOS SIDING ABATEMENT  
CONSTRUCTION REPORT**

**FORMER GM COLDWATER ROAD DELPHI I PLANT  
FLINT, MICHIGAN**

**APRIL 1999**

**REF. NO. 12636 (2)**

This report is printed on recycled paper.

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION .....	1
2.0 BACKGROUND.....	2
3.0 GALBESTOS SIDING ABATEMENT CONSTRUCTION ACTIVITIES.....	4
3.1 ABATEMENT METHODS .....	4

LIST OF FIGURES  
(Following Text)

- FIGURE 1.1      SITE LOCATION  
FIGURE 1.2      SITE PLAN

LIST OF TABLES  
(Following Text)

LIST OF APPENDICES

## **1.0 INTRODUCTION**

Conestoga-Rovers & Associates (CRA) of Romulus, Michigan was retained by General Motors Corporation (GM) at the request of legal staff to provide construction oversight of galbestos siding abatement for the former Coldwater Road GM Delphi I Plant located in Flint, Michigan (Site). The Site location is presented on Figure 1.1. A Site plan is presented on Figure 1.2.

This Galbestos Siding Abatement Construction Report (Report) summarizes the construction activities associated with the asbestos-containing material (ACM) abatement technology at the Site.

This Report is presented in the following Sections:

- 1.0 Introduction
- 2.0 Background
- 3.0 Galbestos Siding Abatement Construction Activities
- 4.0 Summary

## **2.0 BACKGROUND**

The Site is located at 1245 Coldwater Road, in the City of Flint, Genesee County, Michigan (see Figure 1.1). The plant produces interior components for cars and light trucks, principally door hinges and window regulators. The plant has been in operation since 1953. The plant and its operations were sold by GM to Peregrine, Inc. (Peregrine) on December 31, 1996.

The manufacturing plant is comprised of six main structures totaling 1.97 million square feet in area (see Figure 1.2). These include:

- a 1.75 million square foot machining and assembly building (Manufacturing Building);
- an administrative building (68,400 square feet);
- a storage building (Building 63) (69,000 square feet);
- a gas and coal-fired power house (33,200 square feet);
- a hazardous waste storage shed (800 square feet); and
- a wastewater treatment facility.

Several ACM surveys have been conducted at the Site since October 1990, and damaged ACM has been repaired and managed in place, with very little ACM being removed.

CRA conducted a comprehensive, systematic, Site-wide ACM inventory and ACM Survey, including sampling activities from February 10, 1997 to March 19, 1997. CRA did not observe any ACM that presented a high degree of risk to the general worker population.

CRA's comprehensive ACM survey identified that approximately 141,585 square feet of exterior galbestos siding was present at the Site. Under the terms of the GM/Peregrine Purchase Agreement, the galbestos siding on the Manufacturing Building and Building 63 was determined to require ACM abatement.

CRA developed an ACM abatement testing program in November 1997 which was used for bidding purposes for contractor procurement to conduct an ACM abatement technology pilot study. The galbestos siding abatement technology pilot study was conducted in February 1998 by three ACM abatement contractors selected by GM with CRA providing oversight of the various contractor galbestos siding abatement

**Privileged and Confidential:  
Prepared at General Motors Counsel's Request**

technologies. Based on the galbestos siding abatement pilot study, Rand Environmental Services, Inc. (Rand), of Taylor, Michigan was selected to implement the full scale abatement of the galbestos siding on the Site structures.

### **3.0 GALBESTOS SIDING ABATEMENT CONSTRUCTION ACTIVITIES**

This section presents a summary of the galbestos siding abatement construction activities conducted at the Site. Site galbestos siding abatement activities were conducted September through November 1998 and April through June 1999, by Rand with CRA providing oversight.

Galbestos siding abatement areas are presented on Figure \_\_\_\_\_. Site photographs are presented in Appendix A.

#### **3.1 ABATEMENT METHODS**

The galbestos siding abatement method implemented by Rand was a two-step encapsulation system.

The encapsulation system, AsbestoSafe™, consists of an application of a primer-sealer-neutralizer and an application of a top coat.

The primer-sealer-neutralizer, PSN-11, is water-based, non-toxic, and flexible. PSN-11 is used on irregular surfaces where tenacious adhesion is required to lock down asbestos containing material. PSN-11 is designed to be "ready to apply" and requires no dilution prior to application. Prior to application, this product is a pearly, milky white color that dries clear.