

Integrated Report
Human Health and Environmental Effects
Omya Verpol Facility — Florence, Vermont
Appendix C and C.1: Phase II Report; Introduction

Table of Contents

C.	Phase II report.....	C.1-3
C.1.	Introduction.....	C.1-3
C.2	Groundwater and hydrogeology	C.2-1
C.3	Smith Pond and tributaries assessment.....	C.3-1
C.4	Hazardous air pollutants	C.4-1
C.5	Dust.....	C.5-1
C.6	Toxicology	C.6-1
C.7	Assessment of health impacts.....	C.7-1
C.8	Noise.....	C.8-1
C.9	Quality assurance/quality control — flotation agent constituents and other analytes	C.9-1
C.10	Laboratory documentation for Phase II data..... (provided in electronic format only)	

C. Phase II Report

C.1. Introduction

Following completion of Phase I of the Section 5 study in January 2007 (see Appendix B), Phase II began. The intent of Phase II was to gather and evaluate whatever data were necessary and reasonably obtainable to fill the key data gaps identified in Phase I (mindful of the January 2008 deadline, which has since been extended to allow for a final report in February 2008). Phase II thus involved (i) determining and specifying the data to be collected, (ii) designing work plans, (iii) contracting necessary personnel, (iv) collecting data, (v) reviewing and checking new data, and (vi) evaluating all the data gathered and reviewed in Phases I and II in order to satisfy the Section 5 legislation. Major data collection efforts involved drilling new wells on-site in order to provide additional access to groundwater and the subsurface, sampling surface water bodies, conducting an ecological assessment of surface water bodies near the Site, sampling public and private drinking water supplies, gathering samples of bulk and airborne dust, and investigating the Verpol Site for potential sources of buried waste. In addition, results of new emissions and noise data collected by others were reviewed to further address the goals of the Section 5 legislation. We also worked with Omya, its contractors, ANR, and others during 2007 to share new and relevant knowledge of the Site, its contaminants, and known, probable, or possible environmental and public health impacts.

The following sections of Appendix C provide details of the areas of the Phase II study. All work and the significant findings and conclusions are summarized in the *Integrated Report* to which these Appendices are attached.