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FEASIBILITY STUDY WORK PLAN
AND
IMPLEMENTATION SCHEDULE

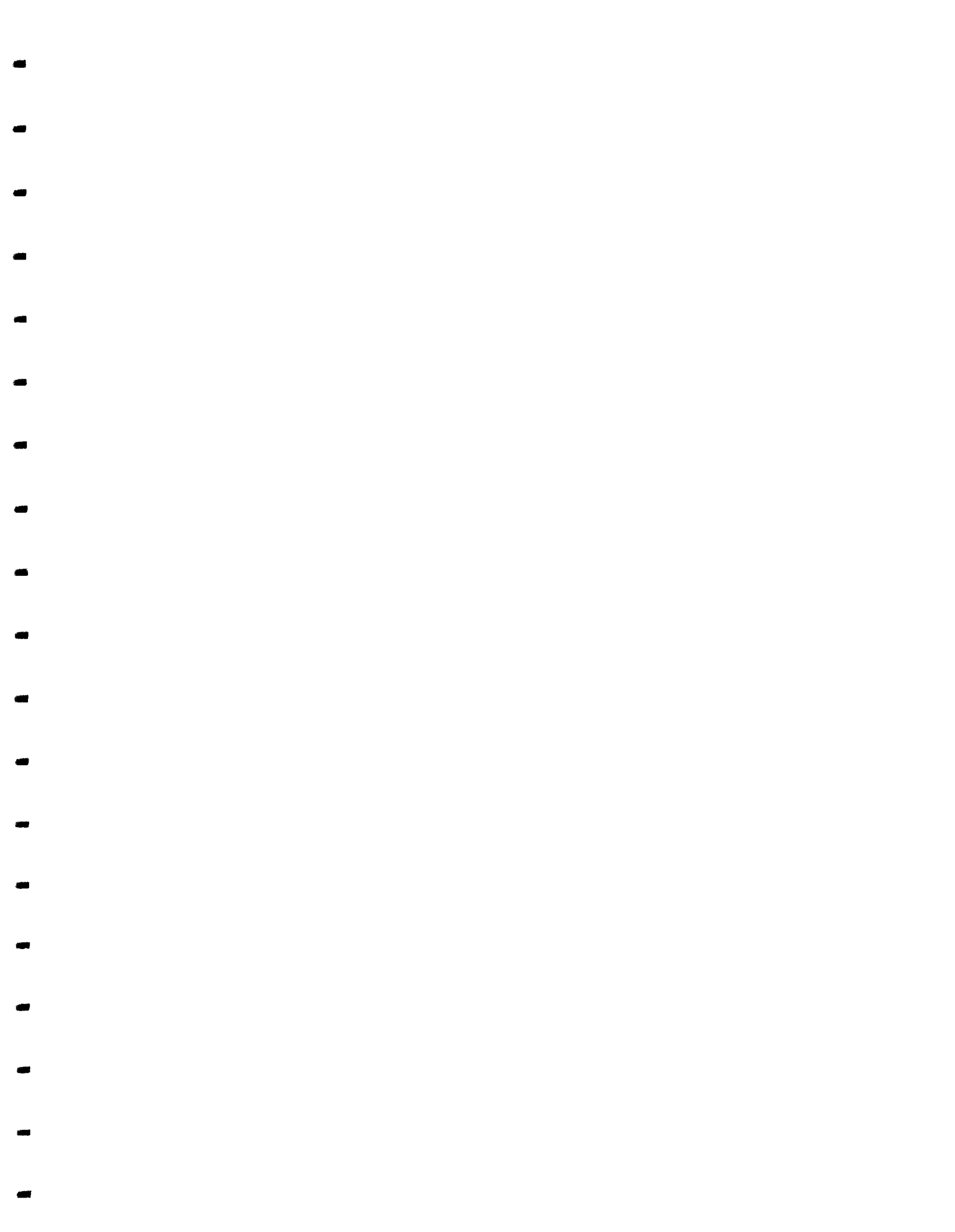
GE Moreau Site
Index Number II-CERCLA-30201

Prepared By:

Dunn Geoscience Corporation
Latham, New York

Date

April 24, 1985



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1.0 INTRODUCTION

This work plan addresses a feasibility study to evaluate off-site remedial measures for mitigating identified problems at the GE Moreau site in compliance with Section III, US EPA Administrative Order II-CERCLA-30201. It describes the methodologies and sequence of activities to be carried out during the feasibility study. The selection and evaluation of remedial alternatives will be based, in part, on the findings and conclusions reached in the October, 1984 Remedial Investigation Report and the March, 1985 Addendum to the Remedial Investigation Report. Both of these documents and associated appendices and plates were submitted to the U.S. EPA Region II on the dates indicated.

2.0 FORMAT

The feasibility study format is designed to conform with the requirements of Section 300.68 (a) - (j) of the NCP, and Section III of the Order, as applicable based on the findings of the remedial investigation, and will include the following:

- 2.1 Summary of the remedial investigation activities and findings.
- 2.2 Identification of problems requiring remedial action and establishment of remedial response objectives.

- 2.3 Identification of remedial alternatives, including the no-action alternative.

- 2.4 Categorization of remedial alternatives into discrete elements including:
 - a. surface-water remediation;
 - b. soil remediation;
 - c. evaluation of alternate drinking water supply;
 - d. remediation of contaminated residences;
 - e. decontamination of groundwater.

- 2.5 Initial screening of remedial alternatives to include the following:
 - a. Cost
 - o installation/implementation;
 - o operation and maintenance;
 - b. Effects of the Alternatives
 - o any adverse environmental effects;
 - o performance record/effectiveness of mitigating and minimizing the threat;
 - c. Engineering Acceptability
 - o applicability;
 - o level of technologic development;

- 2.6 Detailed analysis of remedial alternatives passing initial screening. Each will be analyzed for the following:
 - a. application of established technology and effectiveness in meeting the specific objectives;
 - b. long-term integrity;
 - c. detailed unit cost estimation including the distribution of operation and maintenance costs over time;

- d. evaluation of engineering implementation/constructability including the timeliness of implementation and mitigation effectiveness relative to other alternatives;
- e. analysis of any adverse environmental impacts;
- f. conformity to Federal, State, and local laws and regulations.

2.7 Summary of cost-effective alternatives.

2.8 Preparation of feasibility study report.

3.0 SCOPE OF WORK

Following the National Contingency Plan and the format of Section 2.0, the Feasibility Study will include as the primary items of evaluation the following:

3.1 Site Background Information

This section will describe the site location, basic conditions, past and present activities and a summary of the findings and conclusions. This section will be derived primarily from the October, 1984 Remedial Investigation Report and the March, 1985 Addendum Report.

3.2 Summary of the Nature and Extent of the Problem

This section will establish the framework for identifying problems requiring remedial action, determining remedial objectives and selecting remedial alternatives. This section will discuss the hazards involved and the risks associated with those hazards. Additionally, this section will address and evaluate activities that have taken place to mitigate the problems, i.e., slurry wall, installed whole-house treatment systems and diversion of Reardon Brook.

3.3 Statement of Remedial Objectives

This section will state and provide support for the following objectives:

- a. the decontamination of Reardon Brook and its return to the Fort Edward Water Supply System;
- b. the providing of dependable potable water to users impacted by the disposal site;
- c. elimination of exposure to contaminated soils;
- d. decontamination of groundwater.

In addition this section will address the evaluation of the potential future threat to residential areas.

3.4 Remedial Alternatives

Remedial alternatives will be identified and categorized (FORMAT; Items 2.3 and 2.4 a-e) in the detail necessary to screen (FORMAT; Item 2.5 a-c) and select those alternatives to be considered or implemented. This section will include sufficient evaluation of the alternatives to support their further consideration or elimination.

3.5 Detailed Analyses of Selected Alternatives

The detailed analyses of the selected alternatives will be made in this section. Each of the subtasks in Section 2.5 will have been evaluated for the selected alternatives in Section 3.4. In this section, each of the subtasks in Section

2.6 (a-f) will be addressed to provide the support for implementing or rejecting a specific remedial action.

It is anticipated that this section will address and support the following remedial actions: 1) decontamination of surface water by air stripping Reardon Brook; 2) providing potable water to selected residences and/or areas, including evaluation of source(s) and transmission systems. 3) removing and isolating (by placing beneath the cap at the GE Moreau site) contaminated PCB soils; and, 4) decontamination of groundwater by preventing further migration of contaminants from the site (slurry wall and cap) and air stripping Reardon Brook. Some land-use control may be necessary.

Cost analyses will be evaluated for each remedial alternative considered for implementation. For some remedial activities such as the Reardon Brook problem, the cost analysis will be minimal since it is an on-going remedial and its implementation will not be dependent on a cost-effective analysis.

The cost-effective analyses may play a deciding role in the source of supply and selection of residential areas that may be provided with potable water. The cost analysis will be addressed to the extent it is significant in the selection and design of this remedial activity.

Likewise, for the elimination of exposure to PCB-contaminated soil, the cost analysis will be addressed to the extent it is significant in the selection and design of this remedial alternative.

The cost-effectiveness of various alternatives will play a significant role in the selection of the remedial action to decontaminate groundwater.

3.6 Summary of Cost-Effective Alternatives

The cost-effectiveness for each alternative will be developed in Section 3.4. Section 3.5 will further refine and detail the cost-effectiveness for the selected alternatives addressed in Section 3.5. Section 3.6 will tabulate and summarize the selected alternatives based on their cost-effectiveness.

3.7 Preparation of the Feasibility Report

A Feasibility Study Report will be prepared to describe the work conducted including the detailed analyses of the recommended remedial actions. The report will discuss the methods and criteria used to select and evaluate remedial alternatives and the selection and evaluation of recommended remedial actions. The report will follow the format outlined in Section 2.0 and will include sufficient detail of the pertinent tasks in Section 3.0 to support the conclusions and recommendations.

4.0 PROPOSED FEASIBILITY IMPLEMENTATION SCHEDULE

The implementation schedule summarized below designates units of time required to complete each of the tasks outlined in section 3.0. Additionally, the weekly time units are presented in sequence to develop the overall project schedule. The feasibility study and report preparation is scheduled for completion in eight weeks.

The proposed schedule is summarized below:

Task Number	Description	Duration
3.1	Site background information	Weeks 1 - 2
3.2	Summarize nature and extent of problem	Week 2
3.3	State remedial objectives	Weeks 1 - 2
3.4	Remedial alternatives	Weeks 2 - 3
3.5	Detailed analysis of selected alternatives	Weeks 3 - 6
3.6	Summary of cost-effective alternatives	Weeks 6
3.7	Preparation of feasibility report	Weeks 4 - 8