



**Magino Project
Environmental Impact Statement
Technical Support Document 20-6
Construction Environmental Protection Plan**

Rev. No.	Revision	Date	Approved
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SECTION 1.0 CONTENT AND REVISION CONTROL

The Construction Environmental Protection Plan (CEPP) will be developed prior to the start of site preparation and construction of the Magino Project. An outline of the content of this plan is provided for the Environmental Impact Assessment.

The CEPP is a living document and is subject to on-going updates. This Contents and Revision Control Operational Standard presents the contents of the CEPP and the most up-to-date revision that has been issued for each Operational Standard. This Contents List will be updated and re-issued when any Operational Standard is added or revised.

Section	Operational Standard	Revision	Revision Date
1.0	Content and Revision Control		January 2017
2.0	Introduction		January 2017
2.1	Purpose of the CEPP		January 2017
2.2	Objectives of the CEPP		January 2017
2.3	Relationship to Prodigy's EMS		January 2017
3.0	Implementation		January 2017
3.1	Roles and Responsibilities		January 2017
3.2	Contractor's Environmental Methods Statement		January 2017
4.0	CEPP Structure		January 2017
4.1	Content of Operating Procedures		TBD
4.2	Refer to this section for list of Operational Standards to be developed		
5.0	Inspection and Record Keeping		
	Pre-Construction Inspection Report		TBD
	Grubbing and Clearing Permit Form		TBD
	Fuel Storage Inspection Form		TBD
	Spill Reporting Form		TBD
	Waste Disposal Log		TBD
	Compliance Monitoring Form		TBD
	Compliance Reporting Form		TBD
6.0	Request for Revision to CEPP		TBD
Appendix 1	Site Maps		TBD
Appendix 2	Site Contact List		TBD
Appendix 3	Task Specific Authorizations and Permits		TBD
Appendix 4	Useful Diagrams / Illustration		TBD

SECTION 2.0 INTRODUCTION

2.1 PURPOSE OF THE CEPP

The Construction Environmental Protection Plan (CEPP) Plan provides guidance to Prodigy personnel and Contractors performing site preparation and construction activities for the Magino Project. The intent of the CEPP is to provide a practical way to facilitate field implementation of environmental regulations, practices, and measures required to eliminate or reduce potential adverse environmental effects. The CEPP is a working document for use in the workplace by project personnel and contractors for ensuring commitments made in policy statements are implemented and monitored.

2.2 SPECIFIC OBJECTIVES OF THE CEPP

The specific objectives of the CEPP are as follows:

- Provide a reference document to ensure that commitments to minimize adverse environmental effects will be met;
- Document environmental concerns and ensure appropriate protection measures are implemented;
- Provide concise (short and clear) guidance to project personnel regarding standards for protecting the environment and minimizing environmental effects;
- Provide a reference document for personnel when planning and/or conducting specific activities and working in specific areas;
- Provide a training aid during implementation efforts;
- Communicate changes in the program through the revision process; and
- Provide a reference to applicable legislative requirements and guidelines.

2.3 RELATIONSHIP TO PRODIGY EMS

The CEPP is an integral part of Prodigy's Environmental Management System (EMS). It builds on management approaches outlined in Prodigy's:

- Health and Safety Management Plan;
- Emergency Response and Spill Prevention Contingency Plan;
- Hazardous Substances Management Plan; and
- Waste Management Plan.

The CEPP provides a quick reference for project personnel to monitor compliance and to make suggestions for improvements. The CEPP provides documentation of environmental protection measures against which Prodigy personnel and contractor's environmental performance can be readily measured and corrective measures determined where required.

SECTION 3.0 IMPLEMENTATION OF THE CEPP

3.1 ROLES AND RESPONSIBILITIES

Refer to Appendix 2 of the EMS (TSD 20-1). An overview of roles and responsibilities is provided below.

Vice-President Sustainability

- Provide corporate resources and overall direction to the implementation of the CEPP.

Prodigy Construction Manager

- Ensure overall compliance with Prodigy's Environmental Management System (EMS) for all parties involved in construction activities.

Environmental Superintendent and Coordinators

- Conduct a review of the CEPP on an as needed basis to determine if updates are required;
- Review revisions to the CEPP and approve as required;

- Ensure revisions are distributed to managers and supervisors;
- Perform document controls;
- Ensure that managers, supervisors and their staff are familiar with the CEPP and its protection measures; and
- Obtain approvals from management.

Environmental Leads, Operations and Site Managers (including Contractors)

- Implement the CEPP in daily operations;
- Maintain a current copy of each Operational Standard and the Content List (Section 0);
- Provide training and support to ensure successful implementation of the CEPP; and
- Initiate changes to improve and update the plan.

Site Personnel

- Familiarize them with the CEPP; and
- Have knowledge of reporting procedures.

Contractor Superintendent

- Provide resources for implementation of the CEPP;
- Develop and submit his Environmental Methods Statement; and
- Ensure compliance with Prodigy's EMS.

Contractor's Environmental Coordinator

- Prepares contractor Environmental Methods Statement; and
- Monitors and report on environmental performance during execution of the work.

3.2 CONTRACTOR ENVIRONMENTAL METHODS STATEMENT

Prodigy personnel and Contractor(s) are expected to understand and implement the environmental protection measures provided within the CEPP. If the Contractor does not understand or is unclear on how or when to implement a protection measure the EPCM Environmental Coordinator should be contacted to obtain clarification.

All Contractor(s) must have reviewed and committed to Prodigy's Environmental Management approach prior to the commencement of construction activities. The Contractor's signature on the Awarded Contract indicates that they have read and can carry out all Work activities in accordance with the EMS requirements and the CEPP.

For every defined scope of work, the Contractor(s) will designate an Environmental Coordinator. The contractor's Environmental Coordinator is to ensure adherence to the CEPP throughout the execution of the work. The Contractor is required to complete the Environmental Method Statement form (Appendix C) and obtain the approval of the Project's Construction Manager(s) and the Project's Environmental Superintendent prior to the initiation of any construction activity. The Contractor must submit the completed Environmental Method Statements to the Environmental Superintendent prior to the scheduled start date for that specific Work activity. The completed Environmental Method Statements must incorporate the CEPP environmental standards.

It is the Contractor's responsibility to review the approved Environmental Method Statement form with the field crew responsible for carrying out the work activities to ensure they understand and can carry out their assigned tasks as specified in the Environmental Method Statement form.

The types of information provided by the Contractor in the Environmental Method Statement form include:

- Description of materials, labour and methodology required to carry out the proposed activity;
- Identification of potential environmental impacts and risks associated with the proposed activity;
- Measures proposed to mitigate potential impacts and schedule for implementation;
- Identification of relevant environmental standards to be met;
- Identification of construction procedures;
- Procedures for transporting equipment/materials to and from site;
- Storage of equipment/materials;
- Identification of measures/procedures and containment utilized for possible leaks or spills of any liquid or material;
- Identification of timing and location of Work activities; and
- Other information deemed necessary by the Project Site Manager.

The Contractor's Environmental Monitor will use the approved Environmental Method Statements to monitor the Contractor's field activities for compliance. The Contractor's Environmental Method Statements shall also be used to determine compliance during an environmental audit.

All changes or revisions to the approved Environmental Method Statement must be documented in a revised Environmental Method Statement and provided to Prodigy's Construction Manager and Environmental Superintendent for approval prior to conduct of the Work activities identified. The revised form should note that the change is required to successfully complete the work in an environmentally compliant manner.

The contractor is required to keep copies of the following documentation on file to exhibit compliance of the Project's policies and procedures during project and/or third party audits:

- Environmental Method Statements;
- Approved environmental inspection forms;
- Training records (Project orientation, health and safety training, Chance Find, etc.);
- Professional Certifications (i.e. welding certificates, electrical certifications, etc.);
- Vehicle/Equipment Inspection Checklists;
- Grubbing and Clearing Permits;
- Spill Reports;
- Pre-Construction Inspection Checklists;
- Waste Tracking Manifests; and
- Water Discharge Monitoring Records.

The environmental protection procedures (CEPP's) provide a measure on which to base the assessment of the Contractor's environmental performance.

SECTION 4.0 STRUCTURE OF THE CEPP

The CEPP provides instructions to ensure project personnel understand and implement environmental protection standards for both routine activities and unplanned events associated with the construction activities.

The CEPP is comprised of the following sections:

- Section 1 outlines the purpose and organization of the CEPP;
- Section 2 outlines the implementation approach for the CEPP;
- Section 3 provides Operational Standards for a variety of specific activities anticipated to occur in relation to the Project. Each Operational Standard provides an overview, description of environmental concerns and general environmental protection measures associated with that activity in order to meet regulatory requirements, corporate commitments and/or best management practices;
- Section 4 provides examples of the inspection and record keeping forms that will be used by project personnel to verify adherence or audit compliance to the Operational Standards;
- Section 5 includes a Request for Revision, which allows for users to recommend changes or additional Operational Standards, to facilitate continuous improvement; and
- Appendices which offer additional information and resources reference within the CEPP.

It is expected that additional operational standards will be added throughout the project lifecycle, prior to new activities occurring.

4.1 CONTENT OF OPERATIONAL STANDARDS

The format and content of the Operational Standards is presented in Table 1.

Table 1: Content of Operating Standards

Section		Content
Section 0	Revision number	Revision date
Section 1.0	Purpose	States the purpose of the SOP and intended outcome
Section 2.0	Activity Based Operational Standard	Identifies special permit/authorization requirements; Provides an overview of environmental concerns; Identifies risks and safety concerns specific to the activity; Identifies general environmental protection procedures and mitigation associated with specific activity; and Provides specific work instruction where required
Section 3.0	Documentation	For inspections, record keeping is to be used by Project personnel to verify adherence and audit compliance
Attachments		Maps, drawings and useful reference material for the specific task

4.2 LIST OF STANDARD OPERATING PROCEDURES

The following Operational Standards will be developed prior to site preparation and construction.

- Geotechnical investigation;
- Drilling;

- Equipment and Machinery Fueling Procedure;
- Use of Day Tank / Temporary Fuel Storage Tanks;
- Site Clearing and Grubbing;
- Waste handling and disposal;
- Blasting in or near water bodies;
- Earthworks near water bodies; and
- Sediment and erosion control practices.

SECTION 5.0 INSPECTION AND RECORD KEEPING

This section will be developed prior to site preparation activities.

SECTION 6.0 REQUESTS FOR REVISION TO CEPP

This section will be developed prior to site preparation activities.

APPENDIX 1 – SITE MAPS

This section will be developed prior to site preparation activities.

APPENDIX 2 – SITE CONTACT LIST

This section will be developed prior to site preparation activities.

APPENDIX 3 – AUTHORIZATION AND PERMITS SPECIFIC TO THE WORK

This section will be developed prior to site preparation activities.

APPENDIX 4 – SEDIMENT AND EROSION CONTROL DIAGRAMS

This section will be developed prior to site preparation activities.