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## 3.0 ENVIRONMENTAL MANAGEMENT

Corner Brook Pulp and Paper Woodlands is committed to managing the forests under its stewardship in a sustainable manner, to ensure the full range of forest values and benefits are respected. This commitment to sustainable forest development is demonstrated by Woodlands' Environmental Management System (EMS) registration to the International Standards Organization (ISO) 14001 Standard and its forest management system registration to the CAN/CSA Z809 Standard for **Sustainable Forest Management** (SFM).

### 3.1 ISO 14001

The ISO 14001 international standard has been developed for incorporating environmental aspects into all operations. The key to a successful ISO 14001 EMS is having documented procedures that are implemented and maintained so as to encourage achievement of environmental goals. In addition, the EMS must include appropriate monitoring and review, to ensure effective functioning and to identify and implement corrective measures in a timely manner.

The ISO 14001 Standard first requires Corner Brook Pulp and Paper Woodlands to develop an Environmental Policy and then make this Policy available to the public. Next, procedures must be established for the identification and ongoing review of the environmental aspects and impacts of all activities. Based on these aspects and impacts, environmental goals and objectives consistent with the Environmental Policy are established. Programs are then set in place to achieve these goals and objectives. Internal audits of the EMS are conducted annually to ensure that non-conformances to the system are identified and addressed. Finally, the management review process ensures top management involvement and as necessary, addresses need for change.

#### 3.1.1 Benefits of ISO 14001 Registration

The ISO 14001 Standard is an internationally recognized standard for environmental management systems. Conformance to the standard can help Corner Brook Pulp and Paper Limited remain competitive in the marketplace. In addition, through the efforts necessary to maintain ISO 14001 registration, Corner Brook Pulp and Paper Woodlands continues to build a strong and effective environmental management program.

Some of the benefits of implementing an Environmental Management System in accordance with the ISO 14001 Standard include:

- Reduced environmental liability and risk
- Consistent compliance with legislative and regulatory requirements
- Pollution prevention and reduced waste
- Response to customer demands
- Improved community goodwill
- Continual improvement of environmental performance

### 3.1.2 Woodlands' Environmental Management System

The scope of registration to ISO 14001, achieved with a combined effort of all employees of Corner Brook Pulp and Paper Woodlands, covers the EMS as it applies to all Woodlands' operations. These operations include management planning, road construction and maintenance, harvesting, transportation of fibre, silviculture and support services.

A team made up of Woodlands Superintendents, Safety and Environmental Representatives, as well as a Contractor representative has ensured Woodlands' EMS is appropriate for its operations. Progress of the EMS is recorded annually in an ***Environmental Progress Report***. Figure 3-1 describes the key elements involved in Woodlands' EMS, such as operating procedures for emergency response, environmental incident reports, environmental performance reviews, and employee environmental awareness training. This system measures performance against set targets and improves overall operations.

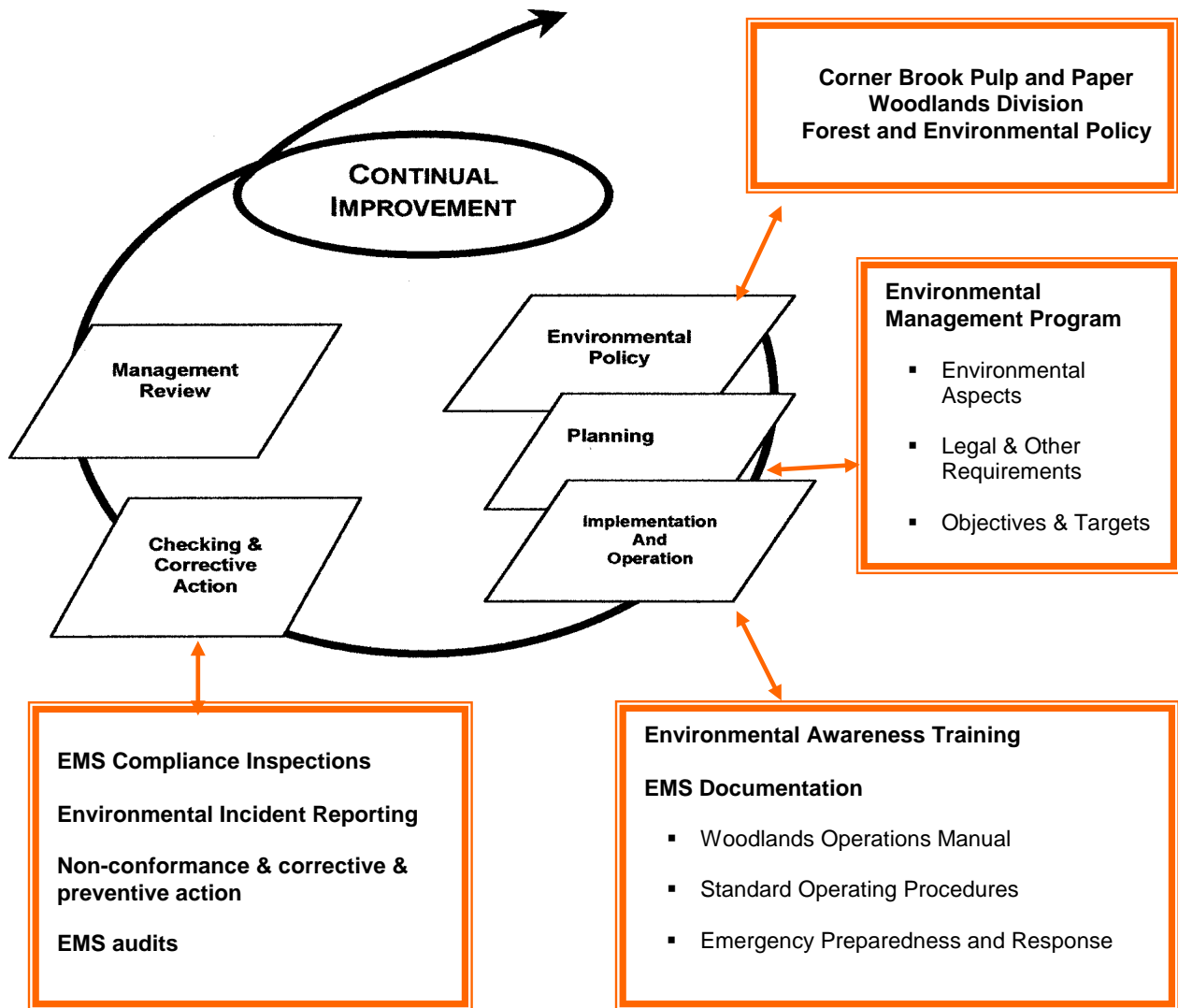


Figure 3-1. Corner Brook Pulp and Paper Woodlands’ Environmental Management System (EMS).

### 3.1.3 Significant Environmental Aspects

Significant Environmental Aspects are the basis of the entire Environmental Management System. To determine the Significant Environmental Aspects of Woodlands’ operations, a detailed analysis of activities is conducted. Operational controls are then put in place to manage each aspect determined to be significant. Figure 3-2 shows significant environmental aspects of Woodlands’ operations.

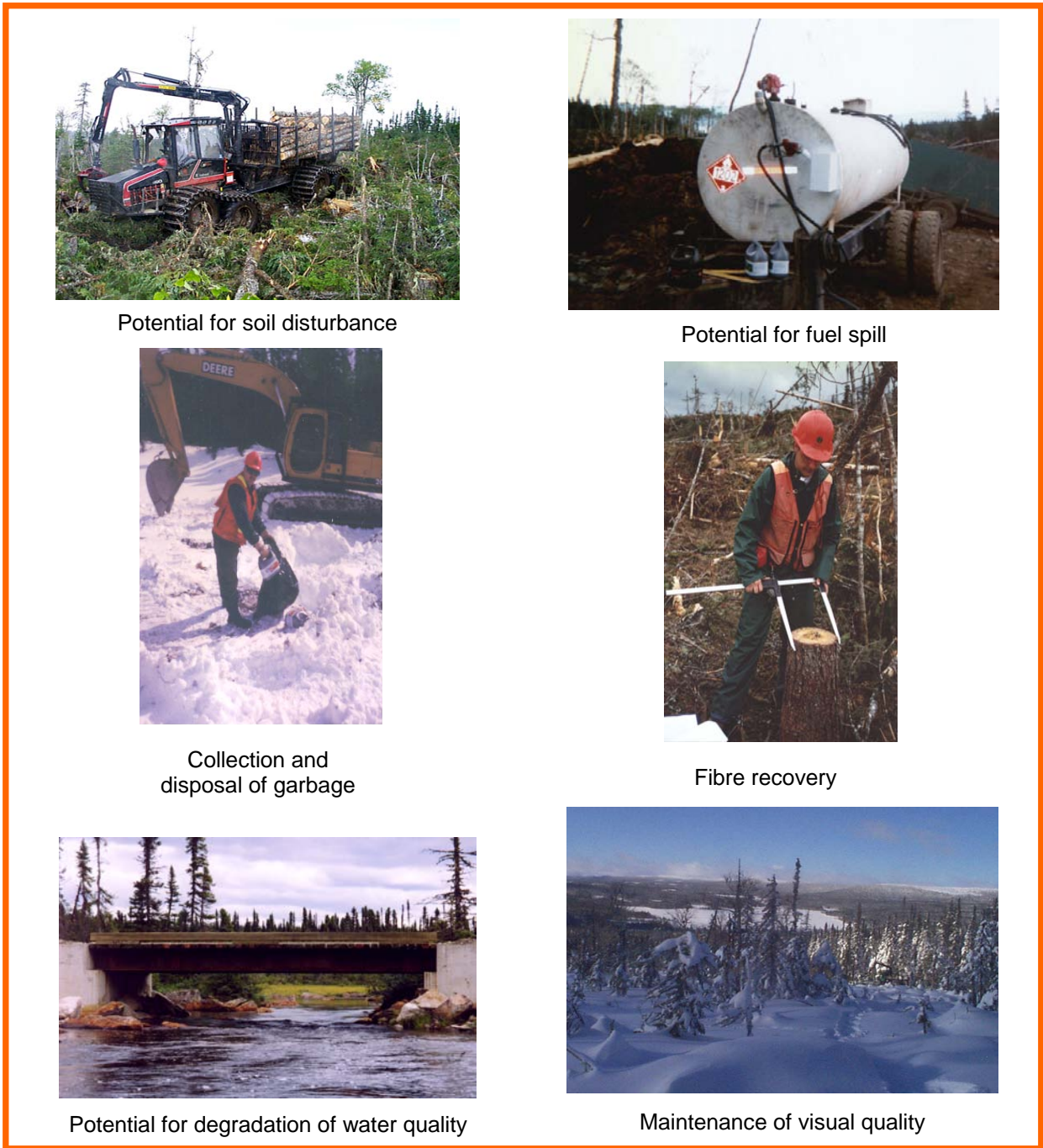


Figure 3-2. Corner Brook Pulp and Paper Woodlands' Significant Environmental Aspects.

### 3.1.4 Measuring Environmental Performance

By using regular environmental audits and inspections, Corner Brook Pulp and Paper Woodlands is able to track and report progress on environmental performance and follow up with corrective action plans that improve operations.

## Environmental Management System Audits

EMS audits allow Woodlands to closely examine and check the processes used in operations through periodic evaluation. An audit looks at the details of how things are done, identifies good and bad practices, highlights areas for improvement, and finds new ways to do things.

The registrar for ISO 14001, QMI/SAI Global conducts external EMS audits, and Corner Brook Pulp and Paper Woodlands conducts annual internal audits of its Environmental Management System, to ensure it conforms to the ISO 14001 Standard. Audit programs help identify inadequate processes or methods, and require the establishment of action plans to set priorities and to correct weaknesses.

## Environmental Inspections

### External

Corner Brook Pulp and Paper Woodlands operations are monitored by government agencies such as Fisheries and Oceans Canada, Environment Canada and the Provincial Departments of Natural Resources and Environment and Conservation. These agencies monitor Woodlands operations on a regular basis and subsequently report their findings. They have the ability to lay charges or declare operations mismanaged on a forest district or operating level, where serious infractions are identified.

### Internal

Corner Brook Pulp and Paper Woodlands conducts regular Environmental Management System inspections of harvesting, road construction and silviculture operations to ensure compliance with Company policy, standard operating procedures, and government regulations. More detailed information on EMS Compliance Inspections can be found in Sections 6.2, 7.2.3, and 9.2.4 of this manual.



**Figure 3-3.** EMS Compliance Inspection.

## Reporting

### Environmental Incident / Corrective Action

An *Environmental Incident Report* is completed on all incidents that have the potential to impact any of the six *Significant Environmental Aspects* outlined in Corner Brook Pulp and Paper Woodlands' *Environmental Management System (EMS)*. Incidents that are in direct contravention of the Newfoundland Forest Service ***Environmental Protection Guidelines for Ecologically Based Forest Resource Management (Stand Level Operations) Nov 1998*** must also be reported. Some examples include:

- Fuel stored within 100 m of a waterbody
- No-Grub zone disturbed
- Treed buffer zone cut
- Silt entering a waterbody
- Equipment crossing wetlands without approval
- Garage/Service sites within 100 m of a waterbody
- Cutting outside an approved area.

Other examples of incidents that would require an *Environmental Incident Report* include:

- Equipment rollover
- Equipment fire
- Garbage left on site
- Incidents reported by government agencies
- Incidents reported by the general public.
- Illegal activity observed ie illegally, dumping garbage

The *Environmental Incident Report* is completed by the Contractor/Supervisor or Corner Brook Pulp and Paper Woodlands' personnel and sent to the Environmental Management Representative. The reporting of environmental incidents is a requirement of all contractors, and compliance is directly linked to the *Contractor Incentive Program* described in Section 7 of this manual.

Depending on the nature or severity of the environmental incident and the need for follow-up, it may be necessary to conduct an Incident Investigation. This detailed investigation will determine the root cause of the incident and recommend corrective action. A copy of the *Environmental Incident Form* and the *Incident Investigation Form* can be found on the *Woodlands Computer Network* under *EMS*, and on the Company website at <http://www.cbppl.ca>.

### 3.2 CAN/CSA Z809

The Can/CSA Z809 Standard, Canada's National Standard for **Sustainable Forest Management** (SFM) gives organizations a system for continually improving their forest management performance and engaging interested parties in a focused public participation process.

Corner Brook Pulp and Paper Woodlands was registered to the CAN/CSA Z809-02 Standard in 2004, and was registered to CSA Z809-08 in 2010. To achieve registration, a Public Advisory Committee (Figure 3-4) was formed to identify a suite of forest values that reflect the economic, social and environmental views of the public. This Committee, with members representing a broad range of interests, has assisted in the development of a **Sustainable Forest Management (SFM) Plan** for the Company. This plan identifies SFM objectives, indicators, and targets to ensure that the identified values are maintained. Forest management that meets the SFM requirements of the Standard involves a positive relationship between the Company and the local community. Corner Brook Pulp and Paper Woodlands' **SFM Plan** can be viewed on the Company website at: <http://www.cbtpl.ca>.

The CAN/CSA Z809 Standard is consistent with the internationally recognized ISO 14001 Registered Environmental Management System. The addition of the SFM requirements of Can/CSA Z809 strengthens Woodlands' current system and ensures that public participation and performance requirements are fulfilled to guarantee continual improvement in forest operations.



**Figure 3-4.** Public Advisory Committee on field tour.