

## **Monitoring Plan for the Environmental Management System and Sustainable Forest Management (CSA & FSC)**

Principle 8, "Monitoring and Assessment", of the Forest Stewardship Council (FSC), Boreal Standard states: *Monitoring shall be conducted - -appropriate to scale and intensity of forest management - - to assess the condition of the forest, yields of forest products, chain of custody, management activities and their social and environmental impact.* The following table represents a monitoring plan for CBBPL Woodlands that meets the requirements of this principle.

The table describes the activity being monitored, the frequency and intensity of monitoring, who is responsible, where results are reported and stored, and corrective actions. Corrective actions are initiated if results are outside predetermined parameters. The monitoring plan is reviewed annually by the EMS Management Review Committee and made available to the public.

### EMS / SFM (CSA FSC) Monitoring Plan

Monitoring Activity	Description	Frequency	Intensity	Monitored By	Responsible	Storage	Reporting	Corrective Action
<b>CSA /FSC Indicators</b>	Indicators used to measure performance relative to CSA standard, and to guide implementation of SFM planning	See VOIT table - varies by indicator.	See indicator Profile, SFM Plan version 3	PAC	EMR	<a href="#">CBPPL Woodlands network CSA Z809-08</a>	Annual Indicator Report www.cbpppl.com/	If outside acceptable range of variance, actions determined by the EMS Review committee in consultation with PAC will be initiated
<b>Innovative Silvicultural Practices</b>	Investigation of new technologies and practices as they become accepted	Whenever appropriate	NA	Silviculture and Continuous Improvement Superintendent	Silviculture and Continuous Improvement Superintendent	NA	When new or innovative practices become accepted, Silviculture and Continuous Improvement Superintendent will inform Woodlands Management Committee	NA
<b>EMS Compliance Inspections #1</b>	Contractor must conduct an environmental inspection of his operation	One Inspection per month while operating	All harvesting and roads contractors	Contractor and Operation Superintendent	Contractor Supervisor	<a href="#">Kruger Network EMS Manuals</a>	Contractor supervisors report findings at monthly Operations Meetings and to respective superintendents	Item identified must be corrected and will be assessed during the # 2 & #3 inspection
<b>EMS Compliance Inspections #2</b>	Operations Superintendents or designate conduct environmental inspections on roads and harvesting areas.	Roads: 1-2/yr. Harv.: 3/yr	All Harvesting and Road Contractors	Operations Superintendents	General Operations Superintendent	CBPPL Woodlands Network Q 5 System also results are tracked on EMS manual 9 EMS Compliance inspections	Operations Superintendents report results to the General Operations Superintendent and results are used to calculate the contract incentive for the year.	Contractor is responsible for all remediation whenever possible Which will be checked during the next #2 inspection.
<b>EMS Compliance Inspections #3</b>	Operations Superintendents or designate conduct a final inspection when operations are	When required	All harvesting operations	Operations Superintendents	General Operations Superintendent	CBPPL Woodlands Network Q 5 System ; also results are	Operations Superintendents report results to the General Operations Superintendent and	Contractor is responsible for all remediation whenever possible, which

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	completed in an area					tracked in EMS Manual 9, EMS Compliance inspections	results are used to calculate the contract incentive for the year.	will be checked during the next #2 inspection.
<b>Internal OHS Compliance Inspections</b>	Operations Superintendents or designate conduct safety inspections on roads and harvesting areas.	Roads: 1-2 per year Harvesting: 3 per year	All Harvesting and Road Contractors	Operations Superintendents	General Operations Superintendent	CBPPL Woodlands Network Q 5 System	Operations Superintendents report results to the General Operations Superintendent and results are used to calculate the contract incentive for the year	Contractor is responsible to correct deficiencies identified
<b>External OHS Compliance Inspections</b>	Provincial OHS officer jobsite inspections	Unannounced random inspections	A sample of all Operations	OHS Officer	Operations Superintendent	Safety and Training Coordinator	Woodlands Management Committee	Directives issued by the inspector are addressed by the Woodland Management Committee and General Safety Committee
<b>External Audit PRIME</b>	Workers Compensation Commission audit of company's safety program	Annually	All aspects of the company's Safety program	WHSCC auditor	Safety and Training Coordinator	Safety and Training Coordinator	Audit findings are addressed by the Woodlands Management Committee	Action plan developed to address audit findings if not in compliance.
<b>WISARD Safety incident reporting system</b>	Web-based Safety incident reporting system	Whenever an incident is reported	All Woodlands Operations that fall under CBPPL Safety program	Safety and Training Coordinator	Safety and Training Coordinator	<a href="http://www.cbpl.com">www.cbpl.com</a>	Reports generated by Wisard are available to all woodlands	Track trends and initiate actions to address them
<b>BBS</b>	Behavior Based Safety system to communicate safety awareness and track at risk situations at the jobsites	As per schedule developed by Safety and Training Coordinator	All Woodlands Operations that fall under CBPPL Safety program	Safety and Training Coordinator	Safety and Training Coordinator	Safety and Training Coordinator	Results are reported at monthly operations meetings and reviewed by General Safety Committee	Track trends and initiate actions to address them
<b>Utilization Surveys</b>	Monitoring harvesting operations to ensure compliance to CSA indicator 5.1.2	Annual	All Harvesting Operations	Operations Superintendents or designate	General Operations Superintendent	CBPPL Network EMS Manual 5	Results are reported at Monthly Operations Meeting and SFM indicator report	If not meeting guidelines or SFM target, an action plan will be developed to deal with it.
<b>EMS/SFM (CSA /FSC)</b>	Internal audits conducted to monitor compliance with	Annual	All aspects of Woodlands operations	Internal Auditors	EMR	CBPPL Network EMS Manual 14 Audits	Audits results are reported to the EMS Management Review	A CAR is generated for all non compliance

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<b>Internal Audit</b>	requirements of ISO 14001, CSA Z809-08 and FSC Standards						Committee	issues and action items are generated for all other findings
<b>EMS/SFM (CSA /FSC) External Audit</b>	External audits conducted to monitor compliance with requirements of ISO 14001, CSA Z809-08 and FSC Standards	Annual	All aspects of Woodlands operations	External Auditors	EMR	CBPPL Network EMS Manual 14 Audits	Audits results are reported to the EMS Management Review Committee	A CAR is generated for all non compliance issues and action items are generated for all other findings
<b>Legal Compliance</b>	Compliance to all Provincial and Federal legislation is audited and monitored regularly , Including compliance to all Social and Labour laws	I Audit once every 3 years  Legal Tracking service provided by Anderson and Yates, once a month  <a href="#">Compliance insider magazine</a>	All aspects of woodlands Operations	Internal Auditor  EMR	EMR	CBPPL Network EMS Manual 14 Audits  <a href="#">Legal Tracking Service</a>	Audits results are reported to the EMS Management Review Committee  New Legislation is reported to EMS Management Review Committee quarterly	A CAR is generated for all non compliance issues and action items are generated for all other non favorable findings
<b>Road Inspections</b>	Final inspections conducted to ensure compliance with specifications and EMS requirements	When required	All Road construction	Planning and Development Superintendent	Planning and Development Superintendent	Planning and Development Superintendent	Major issues are reported to the Management Committee	Contractor Payment holdback until specifications and EMS compliance are met
<b>Truck Inspections</b>	Truck inspections are performed at CBPPL wood yard and in the field to monitor compliance with safety and environmental requirements	Annually	All ballast trucks and all wood trucks that are directly employed by CBPPL contractors	Safety and Training Coordinator	Safety and Training Coordinator	Safety and Training Coordinator Office	Results of inspections are reported at Monthly Operations Meetings	Directives are issued to drivers to correct deficiencies noted. If deficiencies are severe trucks are parked until deficiencies are corrected.
<b>DNR Compliance Inspections</b>	DNR Staff monitor harvest, road and Silviculture operations for compliance to Certificate of	Random	All CBPPL operations	DNR Conservation Officers	Planning and Development Superintendent	<a href="#">CBPPL Network Manual 9</a>	Results are reported to Operations Superintendents and EMS Management Review Committee	When non conformances are raised they are recorded as environmental incidents and an

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	Managed Lands and Environmental Protection Guidelines							action plan is developed to deal with each.
<b>Emergency Response Testing</b>	To evaluate and test contractor awareness and implementation of emergency response plans	Annual	Each contractor must do one test per year	Operation Superintendent	General Operations Superintendent  Silviculture and Continuous Improvement Superintendent  Planning and Development Superintendent	<a href="#">CBPPL_network EMS Manual 2</a>	Results of test are reported at Monthly Operations Meetings	Procedures and documentation are modified when gaps are found.
<b>HCVF Effectiveness</b>	To evaluate CBPPL's Woodlands operation with HCVF management approaches to ensure compliance	Annual	All HCVs are monitored as outlined in the <a href="#">HCVF Assessment report</a>	Woodland Management Team	EMR	CBPPL Network EMS Management Review minutes	Results are reported to EMS Management Review Committee	Action Plan developed to address areas where HCV are not being maintained
<b>DNR Inventory Data</b>	CBPPL Woodlands has access to data generated by DNR.	Annual	Provincial inventory updated every 10 years	Data monitored by Planning and Development Superintendent	Planning and Development Superintendent	DNR Provincial Inventory database and CBPPL Woodlands GIS	NA	NA
<b>Report of Past Annual Operations</b>	CBPPL reports on actual amounts harvested by district and by operating area, and amount and type of silviculture treatment	Annual	All Operations	Planning and Development Superintendent	Planning and Development Superintendent	Office of the Planning and Development Superintendent	Annual harvest levels are tracked to ensure compliance with AAC allocations by district Annual harvest are reported to DNR and Woodlands Manager	Annual allowable cuts may be reduced and areas declared unmanaged if AAC is exceeded over a five -year period.
<b>Wood Supply Land Base Determination</b>	CBPPL Planning Staff works with DNR wood supply personal to classify the land base for calculating annual allowable cuts.	5 years	All CBPPL Limits	Planning and Development Superintendent	Planning and Development Superintendent	CBPPL GIS System	Land base determination provides a spatial representation of available wood supply and other values associated with the DFA	NA
<b>Integrated World Office (IWO)</b>	IWO allows daily tracking and reporting of wood deliveries from all sources on	Daily	All fiber sources for CBPPL's DFA	Woodlands Staff	Silviculture and Continuous Improvement Superintendent	CBPPL IWO	The IWO allows for electronic reporting for all deliveries off CBPPL's DFA	NA

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reporting system	the DFA							
<b>Cutover Mapping</b>	Each year cutovers are photographed and inventory data is updated	Annual	All areas harvested previous year	Planners	Planning and Development Superintendent	CBPPL GIS System	Regular annual updates allow consistent tracking of past activities and more reliable information when planning future activities.	NA
<b>PWC Chain of Custody</b>	Fiber tracking system to ensure that all sources of fiber to CBPPL Mill comes from legal sources.	Monthly	All sources	Operations Superintendent	Paper Mill Continuous Improvement and Technical Manager and Operations Superintendent			
<b>PCT Quality Assessment</b>	Monitoring to ensure quality standards are met	Daily	All PCT operations	PCT Supervisor and Quality clerk and Foreman	Silviculture and Continuous Improvement Superintendent	Office of the PCT Supervisor	Weekly quality report to Silviculture and Continuous Improvement Superintendent	Non compliance will affect individuals rate of pay
<b>PCT EMS Compliance Inspection</b>	PCT Supervisor conducts an environmental inspection on PCT crews.	2-3 inspections per year	All PCT Crews	PCT Supervisor	Silviculture and Continuous Improvement Superintendent	<a href="#">CBPPL Woodlands Network, results are tracked on EMS manual 9 EMS Compliance inspections</a>	PCT Supervisor reports results to Silviculture and Continuous Improvement Superintendent	Crews are responsible for all remediation whenever possible.
<b>Planting Quality Assessment</b>	DNR and CBPPL conducts quality assessment on planted areas	CBPPL Daily	All planting areas	Planting Quality Technician	Silviculture and Continuous Improvement Superintendent	Silviculture Technician	Quality reports are sent to Silviculture and Continuous Improvement Superintendent	Non compliance will affect contractors' rate of pay
		DNR ongoing assessment		DNR Conservation Officers	DNR Silviculture Division	<a href="#">CBPPL Network EMS Manual 9</a>	DNR Reports to Silviculture of DNR	Non compliance will affect CBPPL's rate of pay
<b>Scarification EMS Compliance Inspection</b>	Silviculture Technician conducts environmental inspection on scarification operations	Two inspections per year	All Scarification operations	Silviculture Technician	Silviculture and Continuous Improvement Superintendent	<a href="#">CBPPL Woodlands Network, results are tracked on EMS Manual 9 EMS Compliance</a>	Silviculture Technician reports results to Silviculture and Continuous Improvement Superintendent then	Contractor is responsible for all remediation whenever possible

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						<a href="#">inspections</a>	reported to EMS Management Review Committee	
<b>Herbicide Monitoring</b>	Silviculture Technician completes proposals and reports on areas treated and herbicide dispensed	Daily during the operation	All of proposed area	Silviculture Technician	Silviculture and Continuous Improvement Superintendent	Silviculture Technician	Application rates and volumes are reported to Dept. of Environment	If found outside proposed area, calibration and adjustment will take place
<b>KPI</b>	Monitors contractor performance	Three times per year	Performance indicators for that period	Operations Superintendents and General Operations Superintendent	General Operations Superintendent	General Operations Superintendent	KPI results are reported to the General Operations Superintendent and to the Accounting Department for payment purposes	The KPI process and results are reviewed annually

