

APPENDIX G - ENVIRONMENTAL MANAGEMENT PLAN - DESIGN AND CONSTRUCTION PHASE - Project Activities - Identification of Aspects, Impacts and their Significance (Risk Assessment).

Significant (ie Extreme and High) Environmental Risks are addressed in the Environmental Programs, attached at Appendix L to the Environmental Management Plan

Work Activity	Potential Hazard (Environmental Aspect)	At Risk (Potential Impact) (Table 1)	Probability (Table 2)	Consequence (Table 3)	Inherent Risk (Before Controls)	Recommended Prevention or Controls / Comments (Table 4)	Effectiveness of Prevention / Controls (Table 5)	Probability (Table 2)	Consequence (Table 3)	Residual Risk (After Controls)	Comments
Work activities associated with :- pulp mill site proper, landfill, linear infrastructure - water supply and effluent pipelines, water supply dam, pump station at Trevallyn. Including haul roads, access tracks - drainage works, site preparation, landscaping and rehabilitation.	Loss of rare, vulnerable or endangered flora.	ENV	B	4	Extreme	ENP0011 Flora and Fauna Management, ENP0012 Weed and Pathogen Management.	VG	D	3	Moderate	
	Loss of rare, vulnerable or endangered fauna.	ENV	D	4	High	ENP0011 Flora and Fauna Management, ENP0012 Weed and Pathogen Management.	VG	E	2	Low	
	Office and food waste.	SOC,EMP	A	2	High	All waste will be collected and either disposed of in the pulp mill landfill or sent to local municipal facility using a licensed contractor. ENP0014 Waste Management.	VG	E	1	Low	
	Litter.	ENV, PUB, SOC	A	2	High	ENP0014 Waste Management	VG	E	1	Low	
	Waste water.	ENV	A	4	Extreme	All facilities will be connected to sewer (or for the landfill amenities a septic tank) or have a properly designed systems to collect waste water for trucking to an approved facility. ENP0014 Waste Management.	VG	E	1	Low	
	Soil or water contamination due to fuel spills.	ENV	B	4	Extreme	ENP007 Storage and Use of Hazardous Materials, Fuels and Lubricants.	VG	D	2	Low	
	Chemical spills.	ENV	C	3	High	ENP007 Storage and Use of Hazardous Materials, Fuels and Lubricants.	VG	D	2	Low	
	Noise and vibration.	ENV, PUB, SOC	A	4	Extreme	ENP0011 Noise and Vibration Control	VG	E	2	Low	
	Light escape.	ENV, PUB, SOC	B	3	High	ENP0015 Control of Light Escape	VG	E	2	Low	
	Dust.	ENV, PUB, SOC	C	4	Extreme	ENP0008 Air Quality Management	VG	E	2	Low	
	Dirty exhaust emissions.	ENV,PUB	C	2	Moderate	ENP0008 Air Quality Management	VG	E	2	Low	
	Soil erosion and sediment.	ENV,PUB	A	3	Extreme	ENP0001 Erosion and Sediment Control.	G	D	2	Low	
	Pollution of water courses by dirty water.	ENV,PUB	A	5	Extreme	ENP0001 Erosion and Sediment Control, EN0002 Soil and Water Management.	G	D	3	Moderate	
	Spread of weeds and pathogens.	ENV, SOC	A	4	Extreme	ENP0012 Weed and Pathogen Management	G	D	2	Low	
	Disturbance to Aboriginal heritage sites.	PUB, SOC	C	4	Extreme	ENP0013 Cultural Heritage Management	VG	E	2	Low	
	Disturbance to historic sites.	PUB, SOC	D	4	High	ENP0013 Cultural Heritage Management	VG	E	2	Low	
Import of earth and rock and earthmoving equipment from quarries to various construction sites and movement of equipment between sites	Spread of weeds and pathogens.	ENV, SOC	A	4	Extreme	ENP0012 Weed and Pathogen Management	G	C	2	Moderate	
Washing of Plant & Equipment.	Water Pollution.	ENV	A	4	Extreme	ENP002 Soil and Water Management	VG	E	1	Low	

Work Activity	Potential Hazard (Environmental Aspect)	At Risk (Potential Impact) (Table 1)	Probability (Table 2)	Consequence (Table 3)	Inherent Risk (Before Controls)	Recommended Prevention or Controls / Comments (Table 4)	Effectiveness of Prevention / Controls (Table 5)	Probability (Table 2)	Consequence (Table 3)	Residual Risk (After Controls)	Comments
<b>Bulk Earthworks</b>											
Earthworks - General	Soil or water contamination due to fuel spills.	ENV	A	4	Extreme	ENP0002 Soil and Water Management, ENP0007 Storage and Use of Hazardous Materials, Fuels and Lubricants, ENP0016 Spill Management	VG	D	2	Low	
Clearing and Grubbing, stockpiling of topsoil.	Loss of flora and fauna.	ENV	A	4	Extreme	ENP0011 Flora and Fauna Management, ENP0012 Weed and Pathogen Management.	VG	D	2	Low	
	Soil erosion and sediment.	ENV	A	4	Extreme	ENP0001 Erosion and Sediment Control.	G	C	2	Moderate	
	Pollution of water courses by dirty water.	ENV	A	5	Extreme	ENP0001 Erosion and Sediment Control, ENP0002 Soil and Water Management.	G	D	3	Moderate	
	Noise.	ENV, PUB, SOC	A	3	Extreme	ENP0011 Noise and Vibration Control	G	C	2	Moderate	
	Dust.	ENV, PUB, SOC	A	4	Extreme	ENP0008 Air Quality Management	G	C	2	Moderate	
	Disturbance to Aboriginal heritage sites.	PUB, SOC	C	4	Extreme	ENP0013 Cultural Heritage Management	VG	B	2	High	Spotters will be employed in sensitive areas.
	Disturbance to historic sites.	PUB, SOC	B	4	Extreme	ENP0013 Cultural Heritage Management	VG	E	2	Low	
Bulk excavation (including use of explosives), mass haul, dump, spread and compact.	Mud on roads.	ENV, SOC, PUB	A	4	Extreme	ENP002 Soil and Water Management, ENP0014 Waste Management.	G	D	2	Low	
	Noise (including airblast overpressure).	ENV, SOC, EMP	A	5	Extreme	ENP0011 Noise and Vibration Control	G	C	2	Moderate	
	Vibration.	ENV, SOC.	A	5	Extreme	ENP0011 Noise and Vibration Control	G	C	2	Moderate	
	Dust.	ENV, SOC, EMP	A	4	Extreme	ENP0008 Air Quality Management	G	C	2	Moderate	
	Use of public roads - Mud on roads.	ENV, SOC, PUB	B	4	Extreme	ENP002 Soil and Water Management.	G	C	2	Moderate	
	Soil erosion and sediment.	ENV	A	3	Extreme	ENP0001 Erosion and Sediment Control.	G	D	2	Low	
	Pollution of water courses by dirty water.	ENV	A	5	Extreme	ENP002 Soil and Water Management.	G	D	3	Moderate	
	Spread of weeds and pathogens.	ENV, SOC	A	4	Extreme	ENP0012 Weed and Disease Management	G	D	2	Low	
	Disturbance to Aboriginal heritage sites.	PUB, SOC	D	4	High	ENP0013 Cultural Heritage Management	VG	E	2	Low	
	Disturbance to historic sites.	PUB, SOC	D	4	High	ENP0013 Cultural Heritage Management	VG	E	2	Low	
Use of public roads - Traffic disruption.	Potential Acid Sulphate Soil	PUB, SOC	A	5	Extreme	<b>Traffic Management Plan - to be developed</b>	VG	D	2	Low	
	ENV	C	3	High	ENP0004 Acid Sulphate Soils Management	VG	D	2	Low		
<b>Structures Construction</b>											
Includes buildings, bridges, culverts, retaining walls etc	Noise.	ENV, PUB, SOC	A	4	Extreme	ENP0011 Noise and Vibration Control	VG	D	1	Low	
	Noise and vibration.	ENV, SOC.	A	4	Extreme	ENP0011 Noise and Vibration Control	VG	D	2	Low	
	Light escape.	ENV, PUB, SOC	A	5	Extreme	ENP0015 Control of Light Escape	VG	E	2	Low	
<b>All activities..</b>											
	Bushfire in forest or grassland areas due to careless disposal of cigarette butt, inappropriate burning off or faulty plant muffler.	ENV	C	3	High	ENP0006 Fire Management	VG	D	2	Low	
	Unsustainable development due to waste or poor use of resources.	ENV	A	4	Extreme	ENP0014 Waste Management	VG	E	1	Low	