


Hazard Checklist Form

PROJECT & CONTRACT TITLE: The refurbishment of water pre-treatment plant at Kriel Power Station for a period of 18 months

	HAZARD CHECKLIST	Unique Identifier:	RSR 0254
		Document Type:	Form
		Revision:	1

<u>HAZARDOUS CHEMICALS</u>		<u>FALLS OF GROUND</u>		<u>DUST, GAS, FUMES</u>	
Additives		Substandard support	X	Air velocity	X
Acids (e.g. batteries)		Scaling/ creep		Suffocation	
Bleaches/ cleaning fluids				Poisoning	
Heavy metals (e.g. mercury)		<u>FALLING OBJECTS</u>		Confined spaces	
Cements	X	Poor rigging	X	Welding	X
Solvents	X	Loose material and equipment	X	Chemicals / vapours	X
Flocculent		Load stability		Fire/ explosion	
		Shafts/ boreholes			
<u>ENVIRON HEALTH HAZARD</u>		Deterioration	X	<u>HAZARDOUS OBJECTS</u>	
Sanitation				Sharp	X
Stagnant/ polluted water		<u>MOVING MACHINERY</u>		Hot/ cold	X
Infections/ contagious diseases		Pedestrians	X	Heavy/ unbalanced	X
Radiation		Nip points		Moving	
Manual handling	X	Driver/ passenger protection		Abrasive	X
Poor posture		Driver competence			
Excessive hours	X	Traffic control		<u>SLIPPING AND FALLING</u>	
Thermal stress		Road/ track conditions		Floor conditions	X
Mental work load		Visibility/ illumination		Fall's from height	X
Noise	X	Suitability		Fall into...	
Vibration		Ergonomics		Fall from vehicle	
Dust	X	Maintenance			
Smoke		Safety devices		<u>PRESSURE SYSTEMS</u>	
Alarm masking		Lock-outs		Hydraulic systems	
Pollution		Slopes		Air/ water pipes	X
Communications				Gas bottles	
Poor lighting/ glare	X	<u>MOVING PARTS OF MACHINERY</u>		Pressure vessels	
Confined spaces		Operator protection			
Weather conditions	X	Guards		<u>SUDDEN RELEASE OF MATERIAL</u>	
		Load locks		Land slides	
<u>FIRE</u>		Inter locks		Bunkers/ silos	
Combustible materials				Blockages	
Contraband		<u>ELECTRICITY</u>		Water tanks	
Flammable liquids	X	Isolation	X	Dams	
Cutting and welding	X	Cable damage	X	Falling/ flying objects	
Overheating machines		Power failure		Mud rushes	
Electrical faults		Wrong fuses			
Spontaneous combustion		Flame proofing			
Friction		Tampering			
Lightening	X	Failed trips			
		Bridging out			
<u>EXPLOSION</u>		Earthing			
Gas/ dust ignition					
Detonators/ explosives		<u>WATER</u>			

Hazard Checklist Form

Blasting		Dams, deep pools, sumps	X		
Light alloys (e.g. aluminium)		Storms, floods	X		
Tires		Mud/ slurry			
Flammable liquid containers		In rushes			
Gas bottles		Floor conditions	X		
Pressure vessels		Electricity			

Responsible Coordinator	
Signature	
Date	