


Occupational Health and Safety Baseline Risk Assessment - : Removal and Application of Refractory																								
Business/Operating Unit:	CAMDEN POWER STATION							Department:	Project Department									Next Review Date (every 2		18/01/2025	Template identifier:			
Date:	23 January 2025							Prepared by:				Authorised by:	Name		Sydney Tshalane					Document ID				
													Designation		Outage Co-Ordinate									
													Signed											
													Date		29/01/2024									
Refer to Occupational Health and Safety Risk assessment Procedure 32-520																								
List activity	Activity type (Routine/Non-routine)	Hazard nr	Hazard Identification	Risk Nr	Associated risk	Risk type	Cause(s) of the risk	Exposed group/employees	Risk Owner	Exposure patterns	What are the possible consequences?	Existing Controls			Additional Controls or Tasks Aimed at Improving Existing Controls			Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Target Date	Current Status		
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Indicate R or N 1. Routine activities and situations create hazards through day-to-day operations and normal work activities; 2. Non-routine activities and situations are occasional or unplanned.	#	Anything with potential to cause of harm. Note: A hazard can pose more than one risk.	#	A chance that injury, ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	What causes the risk to come into effect?	Who is exposed to the hazard i.e. visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness.	The frequency and duration the person/group is exposed to the hazard e.g. Daily for 3 hrs.	Consider the worse case scenario without controls?	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring); and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring); and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE) NB: The risk shall be evaluated, assessed and rated again once additional controls have been implemented and those controls listed as existing controls.	How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls (if applicable)	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.	Once a date has been agreed to, this can not be changed (if applicable)	Pending, In Progress, Complete (if applicable)		
Driving of vehicles	Non-Routine	1	Over speeding of vehicles	1	MVA	Safety	Not paying attention, not familiar with the road, making use of cell phone, distractions, exposed to unsafe behaviours, congested roads, Pedestrians and live stock, Taxi and Truck on the road, Civil unrest. Negligent driving, Potholes and Weather conditions (rain, mist/fog, etc) Fatigue from working standby	Employees/Public	Project Manager	Daily	Injuries/Fatalities to driver and pedestrians or property damage	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only authorised staff is permitted to use Eskom vehicles, Daily vehicle inspections, routine maintenance of vehicles, and obeying of all traffic laws, Adherence to life saving rules, Conduct travel route risk assessment, maintenance of station and Oak road. Create and communicate Road and vehicle safety awareness. Installation of Drive Cam.			1	C	III	Fully Effective	Adhere/maintain the existing controls	Vehicle inspections, Audits, Drive Cam, Inspect Oak/station road. Incident Statistics.	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987 General Safety Regulations, 1988 General Administrative Regulations, 2003 V15	Drive Cam Installation -	In-Progress
	Non-Routine	2	Driving without safety belt buckled up	2	Severe Injuries and fatalities when involved in an Accident	Safety	Not adhering to life saving rules	Employees	Project Manager	Daily	Lost Time Injury or severe Injuries and fatalities	Awareness and Acknowledgement of Life Saving Rules through induction. Road and vehicle safety campaigns. Conducting VFLBSO, Conducting toolbox talks. Installation of Drive Cam.			1	C	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	VFLBSO analysis, Drive Cam.	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987 General Safety Regulations, 1988 General Administrative Regulations, 2003 Facilities Regulations, 1990 General Safety Regulations, 1988	Drive Cam Installation -	In-Progress
	Non-Routine	3	Reversing a vehicle into a Parking lot.	3	Property damage, Injuries, Collide with other vehicles.	Safety	Failure of drivers to observe while parking Impatience of other drivers while reversing Time pressure Destruction Small parking design	Employees	Project Manager	Daily	Property damage, Motor vehicle accident and Injuries.	Conduct awareness on reverse parking Induction training covers reverse parking			1	C	III	Mostly Effective	Adhere/maintain the existing controls, Consequence Management	Inspections,	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003 Facilities Regulations, 1990	Reverse parking signs - 30 April 2023	In-Progress
	Non-Routine	4	Driving during the night	4	MVA, Property damage, Injuries and Fatalities Collide with other vehicles.	Safety	Not paying attention, not familiar with the road, making use of a cell phone, distractions, potholes, exposed to unsafe driving behaviours, congested roads, Pedestrians and stray animals, Taxis and Trucks on the road, Civil unrest. Negligent driving, Weather conditions(rain, mist/fog, etc) & hijacking. Fatigue from working standby	Employees	Project Manager	Daily	Injuries,Fatalities, Property damage and Trauma	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only authorised staff is permitted to use Eskom vehicles, Daily vehicle inspections, routine maintenance of vehicles, and obeying of all traffic laws, Adherence to life saving rules. Conduct travel route risk assessment, maintenance of station and Oak road. Create and communicate Road and vehicle safety awareness. Installation of Drive Cam.			1	C	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Vehicle inspections, Audits, Drive Cam, Inspect Oak/station road. Incident Statistics.	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987 General Safety Regulations, 1988 General Administrative Regulations, 2004	Drive Cam Installation -	In-Progress
	Routine	5	Criminal activities	5	Hijacking	Safety	Driving at night	Senior Plant Operators	Project Manager	Daily	Injuries, Trauma,	Avoid activity at night, Request escort from security			3	B	III	Fully Effective	- 32-477 Safety Health and Environment Training and Development - 240-44175132 Eskom Personal Protective Equipment - 32-95 Rev.09 Environmental, Occupational Health and Safety Incident Management Procedure	Incident Statistics	Project Manager	- Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - 240-43848327 Right to Refuse to Work in an unsafe condition procedure - 32-520 Occupational Health & Safety Risk Assessment Procedure - 32-477 Safety Health and Environment Training and Development - 32-285 Medical surveillance		
	Non-Routine	6	Excessive Weather (rain.)	6	Flu and medical condition,	Safety/ Health	Reduce visibility, make roads slippery	Employees	Project Manager	Weekly	Medical condition , slippery cause injuries	Awareness training conduct risk assessment			3	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspection, Audit	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003 240-15598034 OHS Opportunity Register	Ongoing	In-Progress
Office work	Non-Routine	7	Inadequate/ Excessive lighting	7	Straining and or irritation of the eyes	Health	Too many lights installed Dirty light covers Defective lights	Employees	Project Manager	Daily	Eye strains Headaches	all staff to obey warning signs and be on the look out for slipping and tripping hazards. Use of warning signs when floors are wet ,Toolbox talks, apply situational awareness.			2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Illumination survey Monthly PM SAP QIM	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987 General Safety Regulations, 1988 General Administrative Regulations, 2003 SANS-10114 of 2020 Part 1 and 3	Ongoing	In-Progress
	Non-Routine	8	Computer/laptop/desktop	8	Poor Ergonomics at workstations	Health	Bad posture/incorrect working position	Employees	Project Manager	Daily	work related upper limb disorders, repetitive strain syndrome, carpal tunnel syndrome.	Conducting ergonomics surveys/risk assessment Medical surveillance Ergonomics awareness Closing of survey/risk assessment actions			2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Illumination survey Monthly PM SAP QIM	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987 General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress
	Non-Routine	9	Floor	9	Slipping, Tripping and Falling	Safety	Wet floor, cable, loose carpet/tiles, uneven surface	Employees	Project Manager	Daily	First aid injuries or possible fractures	All staff to obey warning signs and be on the look out for slipping and tripping hazards. Use of warning signs when floors are wet ,Toolbox talks, apply situational awareness.			2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections VFLBSO SHE rep inspection book	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress
	Non-Routine	10	Photocopying machine	10	paper cut	Safety	Not focussing while operating the machine paper jams	Employees	Project Manager	Daily	hand Injuries	Warning sign on machine, Toolbox talks, STAR principle			2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Routine Service	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003 X21		In-Progress
	Non-Routine	11	Portable electrical equipment	11	Fire Electrocution	Safety	Defective electrical equipment Poor housekeeping	Employees	Project Manager	Daily	Injuries, fatalities and property damage	Fire detection in offices, earth leakage on electrical boards, Regular inspections of electrical equipment (PEE checks), SHE rep monthly inspections. Basic fire fighting training, Emergency drills.			4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections (Housekeeping, PM's, Gemba walk and SHE)	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2004		In-Progress
	Non-Routine	12	Hydroboil	12	Burns	Safety	Air trapped within Hydroboil causing hot water to splash on person. Not paying attention while using the hydroboil. Defective hydroboil.	Employees	Project Manager	Daily	Burns	PM's, Hydroboil has warning signs, Conduct awareness on usage of hydroboil.			4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections (Housekeeping, PM's, Gemba walk and SHE) VFLBSO	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003 Facilities Regulations, 1990		In-Progress

	Non-Routine	13	Heating ventilation and air-conditioning system (HVAC)	13	Discomfort and increased stress upon staff due to elevated temperature, CO2 level, respiratory problems.	Health	Poor serviced HVAC system	Employees	Project Manager	Daily	Illness & discomfort	PM'S. Indoor air quality surveys	3	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections and surveys	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2004		In-Progress
	Non-Routine	14	Manual Handling	14	Strains and sprains, Fractures, dislocations.	Safety	Improper lifting techniques	Employees	Project Manager	Daily	Injuries	Awareness Ergonomics assessment Correct tools for the activity Medical surveillance	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	VFL/BSO, Ergonomics risk assessment	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003 240-15598034 OHS Oppotunity Register		In-Progress
Interaction amongst employees	Routine	15	Bullying	15	Compromised self esteem causing depression and suicidal thoughts	Health	Lack of interpersonal skills and relationship with other employees, Individual background and social issues.	Employees	Project Manager	Daily, 8hrs	Injuries, fatalities and depression	Implementation of HR policies and procedures Awareness	4	B	III	Fully effective	Adhere/maintain the existing controls, Consequence Management	EAP Cases	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 240-43848327 Right to Refuse to Work in an unsafe condition procedure 32-520 Occupational Health & Safety Risk Assessment Procedure 32-477 Safety Health and Environment Training and Development 32-285 Medical surveillance 32-95 Rev. 4 Environmental, Occupational Health and Safety Incident Management		In-Progress
		16	Drugs	16	Injuries and Mental health issues	Health	Peer pressure, Social factors	Employees	Project Manager	Daily, 8hrs	Injuries, fatalities and Depression	Self or Employer recommendations to visit Employee Assistant programme facilities always welcomed. HR policies and procedures Awareness	4	B	III	Fully effective	Adhere/maintain the existing controls, Consequence Management	EAP Cases	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 240-43848327 Right to Refuse to Work in an unsafe condition procedure 32-520 Occupational Health & Safety Risk Assessment Procedure 32-477 Safety Health and Environment Training and Development 32-285 Medical surveillance 32-95 Rev. 4 Environmental, Occupational Health and Safety Incident Management		In-Progress
		17	Gender discrimination	17	Compromised self esteem, Fatalities	Health	Gender intolerance leading to suicidal thoughts	Employees	Project Manager	Daily, 8hrs	Fatalities Depression	Awareness on HR polices and procedures managing gender based discrimination.	4	B	III	Fully effective	Adhere/maintain the existing controls, Consequence Management	EAP Cases	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 240-43848327 Right to Refuse to Work in an unsafe condition procedure 32-520 Occupational Health & Safety Risk Assessment Procedure 32-477 Safety Health and Environment Training and Development 32-285 Medical surveillance 32-95 Rev. 4 Environmental, Occupational Health and Safety Incident Management		In-Progress
		18	Unrest	18	Injuries and Property damage	Safety	Misunderstanding between employees and management	Employees	Project Manager	As and when they occur	Property Damage Injuries	Implementation of Emergency Preparedness Plan Liaison with Security Intelligence Local Police liaison with the organisation if there are road blocks around. Employees use alternative roads for access Activation of JPC	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	EP Meetings JPC Meeting Contingency plan	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 240-43848327 Right to Refuse to Work in an unsafe condition procedure 32-520 Occupational Health & Safety Risk Assessment Procedure 32-477 Safety Health and Environment Training and Development 32-285 Medical surveillance 32-95 Rev. 4 Environmental, Occupational Health and Safety Incident Management		In-Progress
Accessing the plant and other buildings	Routine	19	Stairways	19	Slip, trips and fall	Safety	Failure to identify the risk Lack of concentration Not applying three point contact	Employees /Contractor employee	Project Manager	Daily	Injuries	Task Specific risk assessment Inspection of work areas Awareness training Providing personal protective equipment (e.g. Slip-resistant footwear) Implementation of PM's	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections PM's VFL/BSO	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003 240-15598034 OHS Oppotunity Register		In-Progress
	Routine	20	Inadequate/ Excessive lighting	20	Straining and or irritation of the eyes	Health	Too many lights installed Dirty light covers Defective lights	Employees /Contractor employee	Project Manager	Daily	Illness	Conducting illumination surveys Monthly PM's Medical surveillance illumination awareness Closing of survey actions	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Ilumination survey Monthly PM SAP QIM	Project Manager	- Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) Environmental Regulations for Workplaces, 1987	Ongoing	In-Progress
	Routine	21	Heat	21	Burns Heat rash Dehydration Heat stroke	Health	Exposed to excessive heat	Employees	Project Manager	Weekly	Burns Heat rash Dehydration Heat stroke	Awareness training Conduct atmospheric testing Keep hydrated Heat stress survey	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspection, Audit	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003	Ongoing	In-Progress
	Routine	23	Poor housekeeping	23	Slips, trips and fall	Safety	Failure to identify the risk Improper stacking and storage	Employees /Contractor employee	Project Manager	Daily	Lost time injuries	Risk assessment is done before work commences. Weekly Gemba and Plant walkdowns	3	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Supervision	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress
	Routine	24	PF dust	24	Respiratory issues, Skin irritation, eye irritation	Health	Fly ash Lack of training and knowledge Ineffective PPE Inadequate Risk assessment Inadequate communication	Eskom Employees	Project Manager	Weekly	Lung cancer Respiratory ailments	Employees are subjected to periodic medical testing by the Medical Health Practitioner. Plant is cleaned daily Maintain plant in a serviceable condition to reduce exposure Employees must be subjected to training and education (induction), which includes dust exposure and control measures. Employees must be provided with respiratory protection device. Employees are provided with respiratory protective devices to Occupational hygiene surveys are conducted to determine noise exposure levels. Employees are subjected to audiometric testing by the Medical Health Practitioner. Employees are provided with hearing protection device. Noise awareness are conducted	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections, audits	Project Manager	Occupational Health and Safety Act (Act No. 85 of 1993) Regulation for Hazardous Chemical Substance (1985) Environmental Regulations for Workplaces (1987) General Safety Regulations, 1988 General Administrative Regulations, 2003	N/A	In-Progress
	Routine	25	Exposure to noise above 85dB	25	Noise induced hearing loss	Health	exposure to continous noise above 85db for more than 8hrs	Employees	Project Manager	Weekly	Noise Induced Hearing Loss	Occupational hygiene surveys are conducted to determine noise exposure levels. Employees are subjected to audiometric testing by the Medical Health Practitioner. Employees are provided with hearing protection device. Noise awareness are conducted	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspection, Audit	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Noise-induced Hearing Loss Regulations, 2003 Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003 SANS 10083 of 2022	Ongoing	In-Progress
	Routine	26	Vibration	26	hand-arm and whole body vibration	Safety	- Lack of training and knowledge on vibration - Inadequate risk assessment	Employees /Contractor employee	Project Manager	Daily	- Hand-Arm Vibration Syndrome - Vibration White Finger	- Train employees on the risk and impact including control measures of vibration - Power tools and cutting equipment's are inspected and maintained in good working condition - Rotate employees to reduce exposure	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspection Observation	Project Manager	- Occupational Health and Safety Act (Act No. 85 of 1993) - General Administrative Regulations, 2003		In-Progress
	Routine	27	Moving Machinery	27	Injuries Fatality Runover	Safety	Defective machine Poor visibility Lack of concentration	Employees	Project Manager	Weekly	Injuries Fatality Property damage Caught in between Struck by	Only authorized/competent persons are operating the machine Maintenance and service of the machine Emergency stop button Safety signage are displayed in the machine Implementation of lock out system	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Observations Supervision Inspections	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Compensation for Occupational Injuries and Diseases Act, 1993 (Act 130 of 1993) General Administrative Regulations, 2003 General Safety Regulations, 1988 240-15598034 OHS Oppotunity Register	Ongoing	In-Progress
			28	Live Apparatus	28	Injures Fatality Electrocution	Safety	Plant Safety Regulations Violation Inadequate or inappropriate training Inadequate risk assessment Taking shortcuts Lack of concentration Inadequate communication	Employees	Project Manager	Weekly	Fatality	Implementation of the requirements of the Plant Safety Regulation Issuing of PPE(encompassing non-slip safety boots, electrical shock-resistant boots, long sleeve and long pants),and restriction on wearing of jewellery, long breem safety hat. Life-Saving Rules	4	B	III	Fully Effective	Adhere/maintain the existing controls	Inspections Supervision	Project Manager	Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 General Administrative Regulations, 2003 Plant Safety Regulation	N/A

	Routine	29	Hydrogen gas	29	Fire / Explosion	Safety	- Exceeding concentration limits (Upper or Lower Flammable Limits) - Pure H2 flames invisible	Eskom Employees Contractor Employees	Project Manager	Daily	Fatalities Lost Time Injuries Medical Incidents Property Damage	- All required signage to be displayed - No naked fire / open flames next to the H2 plant - Electrical drawing to be displayed - Ensure employed are trained on Installation, Operation and Maintenance of HySTAT - Always wear all required PPE (googles, safety shoes, gloves, etc.) as per the risk assessment.	4	B	III	Fully Effective	Adhere/maintain the existing controls	Inspections Audits Supervision	Project Manager	- Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - General Safety Regulations, 1988 - General Administrative Regulations, 2003 - 32-477 Safety Health and Environment Training and Development - 240-44175132 Eskom Personal Protective		
		30	Radiant heat	30	Thermal burns	Safety	- Failure to identify the risk - Lack of concentration - Incorrect PPE - Accidental contact with hot surfaces	Eskom Employees Contractor Employees	Project Manager		Lost Time Injury Medical Incident First Aid Incident	- Awareness training to all employees on the hazards, risks and control measures during induction training. - Display appropriate s-signage - Wear appropriate PPE - Conduct atmospheric testing or hygiene surveys - Keep hydrated	3	B	III	Fully Effective	- 240 - 75587900 Manual for Internal Quality Assurance Management of the Eskom Occupational Hygiene Approved Inspection Authority - 32-477 Safety Health and Environment Training and Development - 240-44175132 Eskom Personal	Surveys Inspection Audit	Project Manager	- Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) - Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) - General Safety Regulations, 1988 - General Administrative Regulations, 2003		
	Routine	31	Rotating Machinery	31	Caught in between Injuries, Fatality	Safety	Defective machine guarding for the rotating shafts Nip points Lack of training Loss clothing	Employees	Project Manager	Daily	Injuries Fatality Property damage	Only authorized/competent persons are operating the machine Rotating machinery is safeguarded and maintained at required intervals Wear correct PPE Employees are not allowed to wear loose clothing, handling jewellery near equipment and long hair must be tied back and secure Correct signage displayed	3	C	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Observations Supervision Inspections	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Compensation for Occupational Injuries and Diseases Act, 1993 (Act 130 of 1993) General Administrative Regulations, 2003 General Safety Regulations, 1988 240-15598034 OHS Oppotunity Register	Ongoing	In-Progress
	Routine	32	Steam leak	32	Burns Noise	Safety	Non-compliance to procedures Accidentally contact with steam Plant defects	Employees /Contractor employee	Project Manager	Daily	injuries	Pre-task risk assessment Noise measurement are done Steam leak area barricaded	3	C	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Supervision	Audits Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress
	Routine	33	Chemical leaks	33	Chemical asphyxiation chemicals burns	Health	Inadequate/lack risk assessment Inadequate/lack maintenance Lack of training Improper PPE Inhalation of chemicals Contact with chemical	Employees /Contractor employee	Project Manager	Daily	Illness	Risk assessment is conducted before work commences. SDS of chemicals are in place Employees are trained on SDS and safe work procedure Wearing of correct PPE	3	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Observations Supervision Inspections	Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Compensation for Occupational Injuries and Diseases Act, 1993 (Act 130 of 1993) General Administrative Regulations, 2003 General Safety Regulations, 1988	Ongoing	In-Progress
	Routine	34	Inaccessible areas and limited ventilation	34	Entrapment,Discomfort and increased stress and respiratory problems.	Safety	- Flammable substances and oxygen enrichment	Eskom Employees Contractor Employees	Project Manager	Weekly	- Fire - Explosion - Suffocation	- Adequate precautions to ensure that ignition does not occur must be taken. To prevent ignition by electrical sources (lighting, mobile phones and radio equipment as well as hand tools, etc.), specially protected electrical equipment, i.e., certified for use in explosive atmospheres, must be used. - Conduct a risk assessment - Use lock-out and tag-out systems to isolate machinery and electrical power - Post warning signs - Check all Personal Protective Equipment and Respiratory	4	B	III	Fully Effective	Adhere/maintain the existing controls	Surveys Inspection Audit	Project Manager	- Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) - Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) - Environmental Regulations for Workplaces, 1987 - General Safety Regulations, 1988 - General Administrative Regulations, 2003 - Plant Safety Regulations - 32-520 Occupational Health & Safety Risk		
	Routine	35	Oil spillage	35	Contact with body	Health	Oil leakage Inadequate maintenance	Employees /Contractor employee	Project Manager	Daily	Eye, nose and throat irritation Dermatitis (Inflammation)	Sawdust applied to absorb oil SDS for the oil is available and employees are trained on SDS Risk assessment. PPE i.e. gloves, etc. to be checked for damage before use.	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Supervision	Audits Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Regulation for Hazardous Chemical agent (2021) General Safety Regulations, 1988 General Administrative Regulations, 2004		In-Progress
	Routine	36	Wet surfaces	36	Slips, trips and fall	Safety	Failure to identify the risk Lack of concentration Water leaks	Employees /Contractor employee	Project Manager	Daily	Lost time injuries	Good housekeeping – work areas kept tidy, etc. Clean up spillages (including dry spills) immediately using suitable methods and leave the floor dry. Display a warning sign for wet floors. Suitable cleaning materials available. Good lighting in all areas. Anti slippy safety shoes provided	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspection	Project Manager	- Occupational Health and Safety Act (Act No. 85 of 1993) - General Safety Regulations, 1988 - General Administrative Regulations, 2003		In-Progress
	Routine	37	Hazards from Nature (Bees, Snake, and poisonous plant ect)	37	Snake bites, Bee stung/allergic reaction leading to fatality)	Safety	Exposed to veld area.	Senior Plant Operators, Shift Supervisors & Shift Managers	Project Manager	Daily	Medical incident/health issues	Job should be stopped immediately where hazards from nature are identified and report immediately. Do not consume any plant or animal or elicits. Awareness on your surroundings.	3	B	III	Fully Effective		Incident Statistics	Project Manager	- Occupational Health and Safety Act, Act 85 of 1993 (OHS Act) - General Safety Regulations, 1988 - General Administrative Regulations, 2006	N/A	In-Progress
	Routine	38	Uneven surfaces	38	Slip, trips and fall	Safety	Failure to identify the risk Lack of concentration Poor housekeeping	Employees	Project Manager	Weekly	Injuries	Risk assessment. Inspection of work areas on a regular basis as per the procedure Awareness training Providing personal protective equipment (e.g. Slip-resistant footwear)	2	B	IV	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Supervision VFL/BSO	Audits Project Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress

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