

Occupational Health and Safety Baseline Risk Assessment - Removal Contaminants and processing of oversize coal.

Business/Operating Unit:	CAMDEN POWER STATION	Department:	Energy Department	Next Review Date (every 2)	18/01/2025	Template identifier:	240-70044602
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						Revision number:	5
						Revision date:	30-Apr-27

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	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	Additional Controls or Tasks Aimed at Improving Existing Controls	Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Target Date	Current Status	Integrated Risk Management (IRM) reference number
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 - Relative 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)	Where applicable, add IRM system reference number for tracking of treatment actions, (applicable to risks that have an impact on business objectives or require intervention from Senior or Executive management such as implementing major engineering projects as a control)	
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	Energy 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.	Energy 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	N/A
	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	Energy 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 VFL/BSO, Conducting toolbox talks. Installation of Drive Cam.	1	C	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	VFL/BSO analysis, Drive Cam.	Energy 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 General Administrative Regulations, 2003 W13	Drive Cam Installation -	In-Progress	N/A
	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	Energy 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,	Energy Manager	Occupational Health and Safety, Act 85 of 1993 (OHS Act) Compensation for Occupational Injuries and Diseases Act, Act 130 of 1993 (COID) General Safety Regulations, 1988 Facilities Regulations, 1990	Reverse parking signs - 30 April 2023	In-Progress	N/A
	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.	Employees	Energy 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.	Energy 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	N/A
Office work	Non-Routine	5	Inadequate/ Excessive lighting	5	Straining and or irritation of the eyes	Health	Too many lights installed Dirty light covers Defective lights	Employees	Energy Manager	Daily	Eye strains Headaches	Conducting illumination surveys Monthly PM's Medical surveillance illumination awareness Closing of survey actions	2	B	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Illumination survey Monthly PM SAP QIM	Energy 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	N/A
	Non-Routine	6	Computer/laptop/desktop	6	Poor Ergonomics at workstations	Health	Bad posture/incorrect working position	Employees	Energy 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	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Illumination survey Monthly PM SAP QIM	Energy 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	N/A
	Non-Routine	7	Floor	7	Slipping, Tripping and Falling	Safety	Wet floor, cable, loose carpet/tiles, uneven surface	Employees	Energy 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	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections VFL/BSO SHE rep inspection book	Energy Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003		In-Progress	N/A
	Non-Routine	8	Photocopying machine	8	paper cut	Safety	Not focussing while operating the machine paper jams	Employees	Energy Manager	Daily	hand Injuries	Warning sign on machine, Toolbox talks, STAR principle	2	B	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections Routine Service	Energy Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003 X21		In-Progress	N/A
	Non-Routine	9	Portable electrical equipment	9	Fire Electrocution	Safety	Defective electrical equipment Poor housekeeping	Employees	Energy 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	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections (Housekeeping, PM's, Gamba walk and SHE)	Energy Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2004		In-Progress	N/A
	Non-Routine	10	Hydroboil	10	Burns	Safety	Air trapped within Hydroboil causing hot water to splash on person. Not paying attention while using the hydroboil. Defective hydroboil.	Employees	Energy Manager	Daily	Burns	PM's, Hydroboil has warning signs, Conduct awareness on usage of hydroboil.	4	B	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections (Housekeeping, PM's, Gamba walk and SHE) VFL/BSO	Energy 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	N/A
	Non-Routine	11	Heating ventilation and air-conditioning system (HVAC)	11	Discomfort and increased stress upon staff due to elevated temperature, CO2 level, respiratory problems.	Health	Poor serviced HVAC system	Employees	Energy Manager	Daily	Illness & discomfort	PM's, Indoor air quality surveys	3	B	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections and surveys	Energy Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2004		In-Progress	N/A
	Non-Routine	12	Manual Handling	12	Strains and sprains, Fractures, dislocations.	Safety	Improper lifting techniques	Employees	Energy Manager	Daily	Injuries	Awareness Ergonomics assessment Correct tools for the activity Medical surveillance	4	B	II	Fully Effective	Adhere/maintain the existing controls, Consequence Management	VFL/BSO, Ergonomics risk assessment	Energy Manager	Occupational Health and Safety Act (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003 240-15598034 OHS Occupational Register		In-Progress	N/A

Interaction amongst employees	Routine	13	Bullying	13	Compromised self esteem causing depression and suicidal thoughts	Health	Lack of interpersonal skills and relationship with other employees, individual background and social issues.	Employees	Energy 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	Energy 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 Procedure	In-Progress	N/A
		14	Drugs	14	Injuries and Mental health issues	Health	Peer pressure, Social factors	Employees	Energy 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	Energy 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 Procedure	In-Progress	N/A
		15	Gender discrimination	15	Compromised self esteem, Fatalities	Health	Gender intolerance leading to suicidal thoughts	Employees	Energy Manager	Daily, 8hrs	Fatalities Depression	Awareness on HR policies and procedures managing gender based discrimination.	4	B	III	Fully effective	Adhere/maintain the existing controls, Consequence Management	EAP Cases	Energy 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 Procedure	In-Progress	N/A
		16	Unrest	16	Injuries and Property damage	Safety	Misunderstanding between employees and management	Employees	Energy 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	Energy 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 Procedure	In-Progress	N/A
Accessing the yellow plant	Routine	17	Heat	17	Burns Heat rash Dehydration Heat stroke	Health	Exposed to excessive heat	Employees	Energy 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	Energy 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	N/A
		18	Excessive Weather (rain,)	18	Flu and medical condition	Safety/Health	reduce visibility, make roads slippery	Employees	Energy 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	Energy 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	N/A
	Routine	19	PF dust	19	Respiratory issues, Skin irritation, eye irritation	Health	Fly ash Lack of training and knowledge Ineffective PPE Inadequate Risk assessment Inadequate communication	Eskom Employees	Energy 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 devices. Employees are provided with respiratory protective devices to provide adequate protection against the anticipated dust levels	4	B	III	Fully Effective	Adhere/maintain the existing controls, Consequence Management	Inspections, audits	Energy 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	N/A
	Routine	20	Exposure to noise above 85dB	20	Noise induced hearing loss	Health	exposure to continuous noise above 85db for more than 8hrs	Employees	Energy 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	Energy 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	N/A
	Routine	21	Moving Machinery	21	Injuries Fatality Runover	Safety	Defective machine Poor visibility Lack of concentration	Employees	Energy 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	Energy 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 Opportunity Register	Ongoing	N/A
	Routine	22	Rotating Machinery	22	Caught in between Injuries, Fatality	Safety	Defective machine guarding for the rotating shafts Nip points Lack of training Loss clothing	Employees	Energy 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	Energy 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 Opportunity Register	Ongoing	N/A
	Routine	23	Uneven surfaces	23	Slip, trips and fall	Safety	Failure to identify the risk Lack of concentration Poor housekeeping	Employees	Energy 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	Energy Manager	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) General Safety Regulations, 1988 General Administrative Regulations, 2003	In-Progress	N/A

Consequences	8	III	II	I	I	I
	5	III	II	II	I	I
	4	IV	III	II	I	I
	3	IV	III	II	II	I
	2	IV	IV	III	II	II
	1	IV	IV	III	III	III

R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		4	D	None	IV
		5	E		
		8			