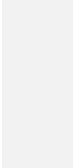


Eskom							Zero Harm Be aware. Take care.    Zero Harm Be aware. Take care.																					
				TITLE:		Reference No.:																		KPV-SR-050				
				SHE RISK REGISTER SHEET		Revision:																		1				
						Associated Documents:																		KGA-067				
				ESKOM SECURITY GROUP; SECURITY DOCUMENT REVISION NUMBER: 6																								
Department	Group	Id number	Activity / Product / Service / Process / System	Process Flow/Characteristics of products/systems	Environmental Aspect Identified/Hazard Identified	Environmental Impact Identified/Risk Identified	Risk Category	Initial Frequency	Initial Probability	Initial Severity	Initial Risk Value	Initial Risk Classification	Mitigation/Risk Control Measures	Legal and Other Requirements	Frequency	Probability	Severity	Final Risk Value	Final Risk Classification	Completed By:	Reviewed By:	Authorised By:	Date:					
													Although captured in the mitigations below, prior to performing ANY activity, ALWAYS consider the following: HP TOOLS, i.e. situational awareness, self checking, pre-job / post job brief, peer checking, procedure use, place-keeping, questioning attitude, effective communication, coaching, handover and authorisation and knowledge; OTHER CONTROLS, i.e. monitoring, measurement & inspection; Operational control i.e. procedures; SHE programme; Engineering control etc. OPERATIONAL CONTROLS <table><tr><td>Elimination/Substitution (i.e. performing work at ground level instead of working at heights, replacing a hazardous chemical substance with a less hazardous chemical substance etc.)</td><td>Engineering Controls (i.e. machine guarding, bundwalls, physical barriers, fencing, drip trays, leak tight tanks, sumps etc.)</td><td>Administrative Controls (i.e. monitoring and measurement, procedures, training, safety signage, worker rotation, observations, inspections, SHE Talks etc.)</td><td>Personal Protective Equipment (i.e. gloves, safety boots, hard hat, coverall, hearing protection, safety harness, safety glasses/goggles, breathing apparatus, respirators etc.)</td></tr></table>	Elimination/Substitution (i.e. performing work at ground level instead of working at heights, replacing a hazardous chemical substance with a less hazardous chemical substance etc.)	Engineering Controls (i.e. machine guarding, bundwalls, physical barriers, fencing, drip trays, leak tight tanks, sumps etc.)	Administrative Controls (i.e. monitoring and measurement, procedures, training, safety signage, worker rotation, observations, inspections, SHE Talks etc.)	Personal Protective Equipment (i.e. gloves, safety boots, hard hat, coverall, hearing protection, safety harness, safety glasses/goggles, breathing apparatus, respirators etc.)	Applicable Legal & other requirements & applicable sections (Eg: National Environmental Management Waste Act no. 59 of 2008, Section 19); National water act, Section X; National Environmental Management Act, Section Y, Occupational Health and Safety Act No. 85 of 1983 section 8 General duties of employers to their employees)										
Elimination/Substitution (i.e. performing work at ground level instead of working at heights, replacing a hazardous chemical substance with a less hazardous chemical substance etc.)	Engineering Controls (i.e. machine guarding, bundwalls, physical barriers, fencing, drip trays, leak tight tanks, sumps etc.)	Administrative Controls (i.e. monitoring and measurement, procedures, training, safety signage, worker rotation, observations, inspections, SHE Talks etc.)	Personal Protective Equipment (i.e. gloves, safety boots, hard hat, coverall, hearing protection, safety harness, safety glasses/goggles, breathing apparatus, respirators etc.)																									
Nuclear Services	Security	RACT001	Screening of personnel	Placing of baggage into X-Ray Machine	Contamination of hands whilst placing the baggage into X-Ray Machine when energised. Exposure to X-Rays	ILLNESS: Health impact with GAMA/X-Rays radiation contamination to hands	P	3.0	1.0	3.0	7.0	High Risk	Double lead curtains, caution signs,X-Ray machines controlled by Operator, emergency stop facility on machine, light indicator showing the machine is enegised, container for handbags,	OHSACT 85 of 1993Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27					
Nuclear Services	Security	RACT002	Screening of hand baggage using X-Ray Machine	Placing hand baggage into X-Ray machine	Straps/belts of hand baggage & clothing getting caught in X-Ray machine conveyor belt	Damage: conveyor belt jamming causing damage to X-Ray machine	A	3.0	1.0	1.0	5.0	Medium Risk	Double lead curtains, caution signs,X-Ray machines controlled by Operator, emergency stop facility on machine, light indicator showing the machine is energised, containers for handbags	OHSACT 85 of 1993 (Sec8(1)	0.5	0.0	0.0	0.5	Doubtful Risk	F Minnies	F Minnies	S Xaso	2025/06/27					
Nuclear Services	Security	RACT003	Screening of hand baggage using Xray Machine	Placing hand baggage into X-Ray machine	Nip-point for hands	Injury: Bruises	P	3.0	1.0	1.0	5.0	Medium Risk	Plastic trays issued, physical inspection to be done before use	OHSACT No 85 of 1993 Sec8(1)	0.5	0.0	1.0	1.5	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27					
Nuclear Services	Security	RACT004	Operation of motorized vehicle gate	Opening and closing of gates	Personel being caught/hit or crashed by a gate when in operation	Injury: severe lost time injury/fatality	P	3.0	1.0	1.0	5.0	Medium Risk	Gate movement sensors, gate operated manually with gate stop release button on control panel, work instruction, critical tasks	General Machinery Regulation3, safe guarding of machinery /rotating parts	2.5	-1.0	0.0	1.5	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27					
Nuclear Services	Security	RACT005	Operation of motorized vehicle gate	Opening and closing of gates	Movement of gate	Damage: Physical damage to the vehicle	A	3.0	1.0	2.0	6.0	Medium Risk	Activity to be performed by a trained staff, critical task procedure, remote control	GMR 3 Safe and Guarding of machinery/rotating parts	3.0	-1.0	0.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27					
Nuclear Services	Security	RACT006	Operation of motorized vehicle gate	Opening and closing of gates	Gates colliding with gate posts and Stop blocks.	Damage: Gates	A	3.0	1.0	2.0	6.0	Medium Risk	Limit switches. Gates operated by operator with gate stop release button on control panel,critical task procedure	GMR 3 Safe and Guarding of machinery/rotating parts	2.0	1.0	0.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27					

Nuclear Services	Security	NRACT007	Handling of fire-arms	Operation of firearms at the shooting range	Tripping whilst moving with unsafe firearm, turning around with loaded firearm, jamming loadeded firearm	Injury: Fatality,death	P	0.5	1.0	4.0	5.5	Medium Risk	Activity to be performed by trained staff, All members to wear bullet proof vests, regular exercises to be carried out under Supervision of Range Officer, PPE must be worn always		Annual Training, Continuous on job training,SHE Talks, critical task training	Bullet proof vests, holster	Firearm and ammunition Act 60 2000 of Sec8(2)	3.0	-1.0	2.0	4.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT008	Handling of fire-arms	Live firing at Shooting Range without ear protection	shooting without ear protection	Injury: Impairment	P	1.5	1.0	4.0	6.5	Medium Risk	Activity to be performed by a trainedstaff all memebbers must wear bullet proof vests, hearing protection		Critical task training, HP Tools,STAR, Examine staff on hearing	Hearing protection	Firearm and ammunition Act 60 2000 of Sec8(2)	1.5	-1.0	0.0	0.5	Doutful Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT009	Handling of fire-arms	Cleaning/Handling over/receiving of fire-arms	Accidental discharge complacency	Injury: Fatality,death	P	3.0	1.0	5.0	9.0	High Risk	Critical Task Procedure, fire-arm training & evaluation,wearing of bullet proof vests, Bullet trap, Two Men Rule.	Bullet Trap	HP Tools,SHE Talks,STAR, OE	Bullet proof vests, Firearm holtsters	Firearm and ammunition Act 60 2000 of Sec8(2)	3.0	-1.0	0.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT010	Handling of fire-arms	Live firing at Shooting Range	Animals in line of fire	Stressors: stress	E	1.5	0.0	4.0	5.5	Medium Risk	Safe handling rule, Alarm will be activated, Exercise to be carried out under Range Officer Supervision	Alarm	Firearm training & evaluation	Bullet proof vests, Firearm holsters	Firearm and ammunition Act 60 2000 of Sec8(2)	1.5	0.5	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT011	Handling of fire-arms	Poor handling of fire-arms	Damage to firearms as a results of weapon being dropped/stripped or assembled incorrectly	Damage: Minor injury	A	1.5	1.0	3.0	5.5	Medium Risk	Critical Task Procedure, fire-arm training,& evaluation,wearing of bullet proof vests	exercise to be carried out under Range Officer Supervision	continuous training in firearm handling and operation's Techniques,Annual requalification shooting assessment and rehabilitation	Bullet proof vests, Firearm holtsters	Firearm and ammunition Act 60 2000 of Sec8(2)	1.5	0.0	0.0	1.5	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT012	Handling of fire-arms	Individual with Psychological problems in possession of firearms	Shooting of others	Injury: Fatality,death	P	3.0	1.0	3.0	7.0	High Risk	Corporate intervention, records and psychometric test report, Psychometric test, Critical task procedures. stress management		stress management courses presented to deal with and identify problems, rehabilitation programme		Firearm and ammunition Act 60 2000 of Sec8(2)	1.5	0.0	3.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT013	Screening of personnel	Screening of personnel using alcohol tester	Contamination of Security personnel	ILLNESS: Contact TB, Covid-19 and or other viruses	P	3.0	0.0	3.0	6.0	Medium Risk	Alcohol tester installation, Gloves, wipes, observing Alco-bloer from a distance	Alcohol tester installation	SHE Talk, On job Training,Observations	Surgical Mask, gloves , wipes	OHSACT No.85 of 1993 Section *(1)	2,5	1.0	1.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT014	Operation of Shredder machine	Placing of paper shredder whilst in operation	Fingers being caught in shredder whilst shredding the papers	Injury: Cuts & Disability	P	2.0	0.5	3.0	5.5	Medium Risk	Critical task procedure,machine guard installation	Machine guard installed	Observations, critical task training		GMR 3 Safe and Guarding of machinery/rotating parts	3.0	-1.0	0.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT015	Receiving of vehicles at VIB	Searching of vehices with unsafe loads	Insecure load from falling off the vehicle onto the dog, being cut whilst searching the vehicles.	Injury: cuts & Fractures	A	2.0	1.0	2.0	5.0	Medium Risk	Dog handler to assess situation before requiring the dog to perform the search, Only Dog Handlers with DH5 allowed on the floor		SHE Talks to be distrbuted and on job training for operators, Awareness on Covid-19 protocols		OHSACT 85 of 1983 Sec8(1) Driving relate to National Road Traffic Act 93 of 1996,Eskom procedure 32-93	3.0	0.0	0.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT016	Receiving of vehicles at VIB	Searching of vehices transporting of chemicals	individuals being exposed to spillage/leakage of chemicals whilst searching	Injury: Burns, disability	P	2.0	0.5	3.0	5.5	Medium Risk	Activity to be performed by trained and skilled staff, Chemistry must be contacted when delivery arrive	VIB Supervisor to be present	HP Tools,SHE Talks,STAR, OE		National Environmental Management Act 107 of 1998 measures Section 28: Duty of Care and Remediation of Environmental Damage	1.5	0.0	3.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT017	Receiving of vehicles at VIB	Vehicle transporting of chemicals	Release of petrol, chemicals/acid/soil	Land/Soil: Pollution	E	1.5	0.5	4.0	6.0	Medium Risk	Report the spillage, Follow the procedure and cordon off the area		HP Tools,SHE Talk on the Environmental awareness,STAR, OE		National Environmental Management Act 107 of 1998 measures Section 28: Duty of Care and Remediation of Environmental Damage	1.5	0.0	2.0	3.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27



Nuclear Services	Security	NRACT018	Working with dogs at VIB	Unleash the dogs in public	unleash dogs in public areas	Injury: Bites	P	3.0	0.5	2.0	5.5	Medium Risk	Activity to be performed by skills staff, Seven Metre rule	Leash	Seven Metre rule, SHE Talks	Dogs on leash,	OHSACT 85 of 1993 Sec8(1)	1.0	0.5	1.0	2.5	Very Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT019	Response	Responding to an incident	Response personnel encountering physical resistance i.e shooting, knife attack (stab) bodily harm whilst responding to an incident	Injury: disability, impairment, fractures, Fatality, death	P	2,5	1.0	4.0	5.0	Medium Risk	Activity to be performed by trained and skilled staff , vehicle, Driving tests and evaluation, critical task training on offense driving Techniques. Desktop exercises	Vehicle and Torches	SHE Talks to be distributed and on job training for operators, OE	Bullet proof vests, Firearm holsters, torches	OHSACT 85 of 1993 (Sec8(1)	3.0	0.0	1.0	4.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT020	Response	Driving of vehicles when responding to alarms	Damage to response vehicle as a result of accident whilst responding	Damage: scratches or breakdown of vehicle	A	3.0	0.5	2.0	5.5	Medium Risk	Critical task procedure , defensive driving techniques	Driving and evaluation test, observations and desktop exercises	SHE Talks to be distributed and on job training for operators, STAR, OE	Bullet proof vests, Firearm holsters	OHSACT Sec8(1) and Section 13(A),Eskm Procedure 32-93	2,5	0.0	1.0	1.0	Very Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT021	Access control of personnel	Access control duties/ engaging with personnnel	Uncontrolled behaviour of personnel, refusal to follow/comply with access control procedures	Stress: Lost time	P	3.0	0.0	1.0	4.0	Low Risk	Contingency plan procedure, Manpower requirements at ACP2 as per Procedure KSA-777 Rev 6	Requalification training	STAR,OE		OHSACT 85 of 1993 (Sec8(1)	3.0	-1.0	0.0	2.0	Very Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT022	Driving of mortocycles on shooting Range	Driving of motrocycles on shooting range in gravel roads	Motorcycle can slide and driver can fall from the motorcycle	Injury: Fatality and bruises, fractures	P	0.0	0.0	4.0	4.0	Low Risk	Motorcycle free zone,	Accountability list	SHE Talks, OE, Sign posting		The National Road Traffic Act 93 of 1996	0.0	0.5	2.0	2.5	Very Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT023	Perfoming door checks in Diesel doors	Ascending/descending of the staircases	Slip and fall	Injury: Fatality and bruises	P	1.0	0.0	4.0	5.0	Medium Risk	Use the correct PPE, apply 3 point contact rule, Situational awareness, 2 Men Rule		SHE Talks, OE,	Wear required PPE as per the sign posting	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT024	Perfoming duties in Plant and PA Areas	Opening and closing of Security Guard huts doors	hand and fingers caught in between door & frame	Injury: severe to mild injuries on fingers and or part of hand and bruises	P	3.0	-1.0	3.0	5.0	Medium Risk	Activity to perform by officers with full PPE, doors must be properly hooked when open, hands away from door frame	Door hooker	SHE Talks, OE,	Safety Gloves	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT025	Performing doorcheck in Plant and PA areas	opening and closing of security controlled doors	Hand and finger caught between door and frame	Injury: Fatalities	P	3.0	-1.0	3.0	5.0	Medium Risk	activity to be performed by officers with full PPE		SHE Talks, OE,	Wear required PPE	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT026	Entry into NAB Containment	Inspections and response to alarms in containment areas	Radiological contamination	Illness: Cancer	P	2.5	1.0	3.0	6.5	Medium Risk	RAD course training, Conformance to all requirements of the RPC, apply ALARA principles, wear dosimetry correctly, report EPD alarm to RPOO immediately	Dosimetries	SHE Talks, OE,	Wear required PPE as per sign posting	OHSAct 85 of 1993 Section 8(1)	1.0	2.0	1.0	4.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT027	Office activities and ergonomics on proper sitting in the chairs	Sitting posture	Incorrect usage of the chair	Injury: work-related injuries ie falling off the chair	P	3.0	0.5	2.0	5.5	Medium Risk	Correct chairs with proper side arm rest and back stop,sitting upright on, not on the front edge of the chair,don't bend the chair far back	Ergonomic assessment of workstations	SHE Talks, SHE Induction and SHE awareness		Facility Regulation 8 (Seats)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT028	Office activities and ergonomics	working on PC sitting position on the chair, using mouse and keyboard	Poor ergonomics	Work related limb disorder, repetetive strain syndrome, carpal tunnel syndrome	P	3.0	0.5	2.0	5.5	Medium Risk	Use foot rest, correct work satation layout, ergonomically designed chairs	Ergonomic assessment of workstations	SHE Talks, SHE Induction and SHE awareness		Facility Regulation 8 (Seats),	3.0	-1.0	2.0	4.0	Low Risk	N E Gwlliza	F Minnies	S Xaso	2025/06/27

Nuclear Services	Security	NRACT029	Shooting range activities and ergonomics while shooting	shooting stance	Recoil of weapon	Injury:recoil of weapon can injure the shotist (shoulder or cheek)	P	1.0	0.0	5.0	6.0	Medium Risk	Shotist must apply proper grip	Training to be provided for NKP quartely as per Security programme	Training records, shooting range oservations	Wear required PPE, bullet proof vests and holsters	Firearms and Ammunitions Act 60 of 2000	1.0	-1.0	1.0	1.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT030	Filling of Documents	Opening and closing of filling drawers and cupboards	strain on body	Injury: stretch muscles	p	3.0	0.5	2.0	5.5	Medium Risk	Awareness on how to file, Discuss risk in office environment		Awareness, correct handling method, situational awareness		OHSACT 85 of 1993 Sec8(1)	1.0	-1.0	1.0	1.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT031	Perfoming door checks in Diesel doors	Ascending/descending of the staircases	Slip and fall	Injury: Fatality and bruises	P	1.0	0.0	4.0	5.0	Medium Risk	Wear correct PPE, Apply 3 point contact rule, Situational awareness, 2 Men Rule		SHE Talks, OE,	Gloves and / Required PPE as per sign posting	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT032	Disposal of office waste	Poor recycling of waste	Pollution to environment	Pollution, litering	E	2.5	1.0	1.0	4.5	Low Risk	Supply sufficient bins for the seperation of waste, bins to be cleaned daily, Printer catridges to be disposed correctly, Procedure KAE 012 (Waste Management disposal),	Waste bins	Educate staff on seperation of waste, recyclable waste must be placed in special supplied box or bags		National Environmental Management Act Measures to reduce the amount of waste generated, the waste is re-used or recycled and recoered in an environmnetal friendlymanner. NEMA Section 2 and SANS 10400 Part T	2.0	0.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT033	Performing duties in Radiological Control Zone	NAB Response	Dose exposure or contamination	Illness: Cancer or contamination	P	2,5	1.0	2.0	3.0	Low Risk	RPOO, RPC,Response force to be trained on dose management, regular WBC and Medicals		Training, SHE Talks, OE,	Wear required PPE as per sign posting. Dosimetries	National Environmental Management Act Measures to reduce the amount of waste generated, the waste is re-used or recycled and recoered in an environmnetal friendlymanner. NEMA Section 2 and SANS 10400 Part T	2.5	0.0	1.0	3.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT034	Disposal of domestic waste	Ensuring that all solid waste generated within a security area is properly disposed	Pollution to environment	Pollution, litering	E	2.5	1.0	1.0	4.5	Low Risk	Procedure KAE 012 (Waste Management disposal), supply sufficient bins for seperation of waste, bins to be cleaned daily, Printer catridges to be disposed correctly, Waste control sheet to be in place and updated	Waste control sheet to be in place and updated	Waste bins		National Environmental Management Act Measures to reduce the amount of waste generated, the waste is re-used or recycled and recoered in an environmnetal friendlymanner. NEMA Section 2 and SANS 10400 Part T	2.0	0.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT035	Responding to a fire ACP1-2,CAS,VIB,Admin Office	Possibility of a fire in the office and areas	burns, injury,fatality, smoke inhalation	Injury: illness and fatality	P	1.5	0.5	3.0	5.0	Medium Risk	SHE Induction, Muster exercises, fire extinguisher training,staff to know location of fire extinguisher, muster and evacuation exercises, fir detection in offices, audible fire alarms, earth leakage on electricl boards		SHE Induction, Fire extinguisher training, muster/ Evacuation exercise,Regular inspection of PEE, SHE Monthly Inspection	Fire extinguisher overall, boots and gloves	OHSAct 85 of 1983 Section 8(1)	1.0	2.0	0.5	3.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT036	Responding to a fire ACP1-2,CAS,VIB,Admin Office	Possibility of a fire in the office and areas	Burning property	Damage to equipment and infrastructure	A	1.5	0.5	2.0	4.0	Low Risk	SHE Induction, Muster exercises, fire extinguisher training,staff to know location of fire extinguisher, muster and evacuation exercises, fir detection in offices, audible fire alarms, earth leakage on electricl boards		SHE Induction, Fire extinguisher training, muster/ Evacuation exercise, Regular inspection of PEE, SHE Monthly Inspection	Fire extinguisher overall, boots and gloves	OHSACT 85 of 1993 Sec8(1)	1.0	1.0	0.1	2.1	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT037	Responding to a fire ACP1-2,CAS,VIB,Admin Office	Possibility of a fire in the office and areas	smoke in the atmosphere	pollution to environment	E	1.0	0.5	4.5	6.0	Medium Risk	SHE Induction, Muster exercises, fire extinguisher training,staff to know location of fire extinguisher, muster and evacuation exercises, fire detection in offices, audible fire alarms, earth leakage on electrical boards		SHE Induction, Fire extinguisher training, muster/ Evacuation exercise, Regular inspection of PEE, SHE Monthly Inspection	Fire extinguisher overall, boots and gloves	National Environmental Management Act Measures to reduce the amount of waste generated, the waste is re-used or recycled and recoered in an environmnetal friendlymanner. NEMA Section 2 and SANS 10400 Part T	0.0	-1.0	2.0	1.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RAC038	Door check patrols and response	Walking in and between office areas, buildings and plant doors.	Tripping, Slipping, Falling and injuries	Injury: possible fractures, minor injury	P	3.0	0.5	3.0	6.5	Medium Risk	Adhering to sign posting, wear proper PPE,SHE Talks, peer checking, Using of handrails,apply 3 point contact, situatuional awareness, Apply STAR		SHE Talks, OE, Critical Task	Safety, gloves, boots and safety specs	OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT039	Using staircases and or ladders in plant	Ascending/descending of the staircases or ladders between buildings and Plant	Slip, Trip, and Fall	Injury: Fatality and bruises,Minor injuries	P	3.0	0.5	3.0	6.5	Medium Risk	Adhere to sign posting,SHE Talks, Peer checks,Using of handrails,apply 3 point contact, situatuional awareness		SHE Talks, OE,	Wear required PPE	OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27

Nuclear Services	Security	NRACT040	Shooting range activities including ascending descending of staircases	Walking around shooting range and descending/ascending of the staircases storing facility, bullet buds, flags and stop-wall	Slip, Trip, and Fall	Injury: Fatality and bruises,strain sprained ankle or more threatening fractures	P	3.0	0.5	3.0	6.5	Medium Risk	Pre-post shooting briefing, SHE Talks, Range walk-down, handrails,		SHE Talks, OE,	Wear required PPE, bullet proof vests and holsters	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT041	Cleaning of vehicles	Water usage during cleaning of operational vehicles	Water usage for cleaning of vehicle at Transport building	waisting of water	E	2.0	1.0	2.0	5.0	Medium Risk	Vehicles to be cleaned on Thursdays only at ACP1 Transport	Buckets	SHE Talks, OE,		National Environmmetal Management Act Measures Section 2	2.0	0.0	2.0	4.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT042	Driving vehicles for long distances	Driving long distance	Road accidents including hijacking and tire bests	Injury: death, fatality, bruises, traumatised	P	2.0	1.0	3.0	6.0	Medium Risk	Driver needs to be aware of road accidents, must be competent, wear comfortable shoes		SHE Talks, OE, Drivers licences both Eskom and National		The National Road Traffic Act 93 of 1996	3.0	-1.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT043	Using of lifts	Using of lifts when conducting response duties	Tripping while entering or exiting the lift	Injury: Fatality and bruises	P	2,5	1.0	3.0	4.0	Low Risk	Adhere to Sign posting in the lift,Apply lift rules		SHE Talks, OE,		Lift escalator and passenger conveyer Regulation in Accordance with SANS 154510	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT044	Using of lifts	Using of lifts when conducting response duties	fingers being caught in the door frame whilst closing of lift doors	Injury: Fatality and bruises, fractures	P	2,5	1.0	3.0	4.0	Low Risk	Always be alert, Adhere to sign posting		SHE Talks, OE,	Gloves	OHSACT 85 of 1993 Sec8(1)	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT045	Conducting physical fitness	Conducting physical activities during physical fitness test	heart attacks, strain and sprain	Injury: possible fractures, minor injury	P	0.0	1.0	3.0	4.0	Low Risk	Complete PARQ forms, Pre Warm-ups, MJS, First Aid kit	First Aid kit, water for dehydration	SHE Talks, OE,	Wear individual's PPE ie training shoes and tights	OHSACT 85 of 1993 Sec8(1)	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT046	Conducting physical fitness	Doing Physical activities during physical fitness test	Stretching of muscles running exercise	Injury: stretching of muscles	P	0.0	1.0	4.0	5.0	Medium Risk	Complete PARQ forms, Pre Warm-ups, MJS, First Aid kit, Annual medical assessment	First Aid kit	SHE Talks, OE,	Individual's PPE ie Proper Training shoes	OHSACT 85 of 1993 Sec8(1)	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT047	Patrol duties on OCA	Visiting Siren poles in OCA	Damage to plants and killing of animals	Ground ersion, damage plants and killing of animals	E	2.5	1.0	3.0	6.5	Medium Risk	Designated gravel roads		SHE Talks, OE,		National Environmental Management Act measures Section 2	2.4	0.0	1.0	3.4	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT048	Operating of vehicles during patrols	Closing of vehicle booms	Damage vehicles entering or leaving	Minor dents on vehicles and or motorcycles	A	2,5	1.0	3.0	4.0	Low Risk	Job instructions, safety strips embeded in roads, Overriding the closing while vehicle entering or leaving, Pre-checking, testing and regular maintenance	Remote control	SHE Talks, OE, Observations		OHSACT 85 of 1993 Sec8(1)	2.0	0.0	2.0	4.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT049	Performing access control at vehicle booms	Checking permits while vehicle entering site	outgoing vehicles can hit officer posted while walking or standing in the middle of the road	Injury: Fatality and bruises, serious injury	P	3.0	1.0	2.0	6.0	Medium Risk	Job instructions, safety strips, Standing out of the road, 2Men rule, remote control	remote control	SHE Talks, OE,		OHSACT 85 of 1993 Sec8(1)	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT050	Performing duties at Security Checkpoints and Access Control points in the OCA	Performing duties at vehicle booms and any other out door posts	employee is exposed and can be bitten by animals (snakes) and or insects	Injury: swelling, skin irritation, Fatality and /bruises	P	2.5	1.0	3.0	6.5	Medium Risk	Individual to be aware of his allergies, avoid perfumes.colored clothes,wear combat and safety boots , wear long sleeved shirts.		SHE Talks, OE,		OHSACT 85 of 1993 Sec8(1)	2.5	0.0	2.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27

Nuclear Services	Security	NRACT051	Exposure to Noise	plant inspection, surveys, walkdowns, investigations and monitoring	Noise exposure ≥ 85 - 105 dB	Illness: noise induced hearing loss temporary threshold shift	P	2.0	1.0	2.0	5.0	Medium Risk	KGV 001, Critical Rule, OH&S CR #3 for areas >105: Monitoring and measurement : Noise surveys,audiometric test, Pre- checking, testing and regular maintenance	Noise surveys, audometric test	SHE Talks, OE,	Double ear protection	OHSACT 85 of 1993 Sec8(1)	3.0	-1.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT052	Patrol duties in SEC Pump-house	Unusual heavy gust winds	Tripping, Blown away by the wind, falling	Injury: First Aid injuries strain and sprained ankle, or possible more serious life threatening, fractures	P	3.0	0.5	2.0	5.5	Medium Risk	Officers to stay away from edges of the SEC Pump house.Sit in doors, CAS to use camera in the area		SHE Talks, OE,		OHSACT 85 of 1993 Sec8(1)	2.0	0.0	1.0	3.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT053	Use of handrails in ACP2 Ski-Cabins	Ascending/descending of the staircases	Slip, trip and fall	Injury: Fatality and bruises, sprain ankle	P	3.0	0.5	3.0	6.5	Medium Risk	Apply 3 point contact, Sign posting, SHE Talk		Handrails		OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT054	Driving of response vehicles	Driving of response vehicle during shift	Pedals control	Injury: stiffness of the leg and ankle or foot.	P	3.0	0.5	3.0	6.5	Medium Risk	SHE Talks, and peer checking,Report immediately, Situational awareness, 2 Men Rule		SHE Talks, OE,		OHSACT 85 of 1993 Sec8(1)	1.0	1.0	2.0	4.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT055	Reversing of vehicle	Response duties	reversing making u-turn with response vehicle	Property damage	A	3.0	0.0	3.0	6.0	Medium Risk	Rotating of response team during shift, take breaks in between, inspect vehicle and report immediately, share OE and SHE Talk		OE's and She Talks		OHSACT 85 of 1993 Sec8(1)	1.0	1.0	2.0	4.0	Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT056	Carring of equipment in shooting range	carring of boxes and or related equipment on shooting range	sustaining muscle injuries	Injury: stretched strained or sprained muscles in your back or in your body	P	0.5	1.0	4.0	5.5	Medium Risk	Share lifting techniques, situational awareness		SHE Talks, OE,	Gloves	OHSACT 85 of 1993 Sec8(1)	0.5	-1.0	1.0	0.5	Doubtful Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT057	Emergency Planning	Evacuation and mustering during emergencies	Un-accounted personnel/trapped in dangerous areas	Injury/fatality	P	0.0	-1.0	4.0	3.0	Low Risk	Muster Supervisors to be visible, Sign postings,Muster areas and Evacuation routes must be identified, Accountability list		Regular emergency exerices, Accountability list		HAZACT (R247:GRP IV Hazard relating to Ionising Radiation) Chapter 3 Section 7,8 Provision of means to Monitor and Control Exposure and dose tracking	0.0	0.5	2.0	2.5	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT58	Emergency Preparedness	Access control duties	Floods/Heavy rain	Illnes: First Aid Flue	P	3.0	1.0	0.0	4.0	Low Risk	Evacuate staff, close the gate, terminate access	Communicate the progress	Emergency exercise		Disater Management Act 57 of 2002	2.0	0.0	0.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT59	Emergency Preparedness	Access control duties & Security patrols	Floods/Heavy rain	Soil errossion, Potholes	E	2,5	1.0	4.0	5.0	Medium Risk	Evacuate staff, close the gate, terminate access	Rehabilitation & maintenance	SHE Awareness		Disaster Management Act 57 of 2002	2.0	0.0	0.0	2.0	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT60	Pressing a keypad access Pin at ACP2 and access controlled plant areas	Walking through ACP2 to site and various access controlled zones	Exposure to Corona Virus (COVID 19)	Illness (SARS or Pneumonia), Fatality	P	3.0	1.0	5.0	9.0	High Risk	Install sanitizers or disinfectants at respective access controlled areas; all employees to sanitize their hands before or after passing through the security check point	metro Cleaning to Monitor quantity / availability of disinfectant or sanitizers placed on identified stairs (MAB; ISI; Electrical Buildings)	raise an awareness and brief staff on the expectation; regular cleaning of the touch pads, turnstils, etc	Surgical Masks, gloves, wipes	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) Regulation 6; 10 & 11 of the Regulations for Hazardous Biological Agents and Annexure C.	1.0	-0.5	5.0	5.5	Medium Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT061	Patrols in steam bunkers	Activation of Security Alarms	Health: Nitrogen, heat stress, burns	Injury: Lost time	P	2.5	1.0	3.0	6.5	Medium Risk	Training to be provided on O2 Mnitro and Mandir-009		HP Tools, STAR, SHE Talks, OE	Oxygen Monitor, Safety boots, adhere to the sign posting	OHSACT 85 of 1993 Sec8(1)	2.5	-1.0	0.0	1.5	Very Low Risk	N E Gwilitza	F Minnies	S Xaso	2025/06/27

Department	Security	RACT062	Packing of plastic trays	Performing normal duties	Injuries	First Aid	P	3.0	1.0	1.0	5.0	Medium Risk	Remove/relocate the metal box, Barricade the area in the mean time, update SHE Risk Assessment		Share OE, Situational Awareness, Review SHE Risk Assessment		OHSAct 85 of 1983 Section 8(1)	3.0	-1.0	0.0	2.0	Very Low Risk	N E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT063	Use of Microwaves/kettles/Stoves and Toasters	Warming up food/liquids/breads	Burns	Injury: wounds	P	3.0	1.0	1.0	5.0	Medium Risk	Distribute: SHE awareness/OE		SHE Talks, OE		OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT064	Walking/patrolling with working dogs	Proper handling of dogs whilst walking on uneven terrains	slip, trip and fall	Injury: Stretched or strained muscle and or bone fractures	P	0,5	1.0	3.0	6.0	Medium Risk	Attend Dog-handler Basic Training Course. Use of short lease and wear the required Minimum PPE. Working with trained security dog		OE's and SHE Talks	Wearing of proper shoes i.e Combat Boots and or Bronze shoes	OHSACT 85 of 1993 Sec8(1)	1.0	1.0	2.0	4.0	Low Risk	N E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT065	Use of Electrical plugs	Plugging of electrical appliances	Electrical shocks/burns	Injury: wounds	P	3.0	1.0	0,5	4.0	Low Risk	Distribute: SHE awareness/OE		SHE Talks, OE		OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	RACT066	Use of Electrical plugs	Plugging of electrical appliances	Visual pollution, risk of electrical fires		A	3.0	1.0	1.0	5.0	Medium Risk	Monthly SHE Inspection				Facility Regulation 8	3.0	0,5	1.0	4.0	Low Risk				2025/06/27
Nuclear Services	Security	RACT067	Use of Electrical plugs	Plugging of electrical appliances	Visual pollution, risk of electrical fires	Injury: wounds	E	3.0	1.0	0,5	4.0	Low Risk	Distribute: SHE awareness/OE		SHE Talks, OE		OHSACT 85 of 1993 Sec8(1)	3.0	0.5	1.0	4.5	Low Risk	N E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT068	Public Health emergency; ie COVID-19, Mpox outbreak	Exposure during daily activities in the event of a public health emergency	Exposure to infectious diseases eg: COVID 19, Mpox, etc.	Infection/Death	P	0.5	0.0	5.0	5.5	Medium Risk	none	none	Self-screening / Reporting of symptoms / sick leave, Minimising contact, adhering to public health advisors	Dependant on public health requirements	OHSA - General Safety Regulations; Biological hazard regulation; Disaster Management Act; DoL Regulations / Directives	0.5	0.0	3.0	3.5	Low Risk	N.E Gwiliza	F Minnies	S Xaso	2025/06/27
Nuclear Services	Security	NRACT069	Operating of X-Ray machines	Exposure to High dose of Radiation	Illness: cancer	Infection/Death	P	3.0	0.0	0.0	3.0	Low Risk	Dosimetry control ie TLD, Training & Inspection to be done before the use of the machine	TLD	Annual Training, Continuous on job training, SHE Talks, critical task training		GMR, 1988 3 Safeguarding of machinery	0.5	0.0	3.0	3.5	Low Risk	N.E Gwiliza	F Minnies	S Xaso	2025/06/27