



TITLE:
SHE RISK REGISTER SHEET


Reference No.:
KFV-SR-050


Revision:
1


Associated Documents:
KGA-067











Be aware. Take care.

DEPARTMENT: NUCLEAR PROJECT MANAGEMENT - The Provision of Project Controls Services for Nuclear Project Management (NPM) at the Nuclear Operating Unit (NOU) on an as and when required basis

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	Frequency	Probability	Severity	Final Risk Value	Final Risk Classification	Completed By:	Reviewed By:	Authorised By:	Date:				
													<p>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.</p> <div>OPERATIONAL CONTROLS</div> <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.)									
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NPM	CONSTRUCTION	1	ACCESS AND EGRESS ON KNPS																							
NPM	CONSTRUCTION	1.1	ON SITE EMERGENCY AND EVACUATION PLAN	ACCESS OF PERSONNEL	EMERGENCY AND MUSTER PROCEDURE PROCESS	UN-ACCOUNTED PERSONNEL/ TRAPPED IN DANGEROUS AREAS	P	0.5	-0.5	5.0	5.0	Medium Risk	N/A	MUSTER SUPERVISORS, VISIBLE SIGN POSTING OF MUSTER STATION, EVACUATION ROUTES IDENTIFIED AND DISPLAYED.	ACCOUNTABILITY LIST	BE FAMILIARISED WITH EMERGENCY RESPONSE EXERCISES AND IDENTIFICATION OF DIFFERENT ALARMS TO BE ADHERED TO.	0.5	0.0	2.0	2.5	Very Low Risk	Completed By:	reviewed By:	Authorised By:	Date:	
NPM	CONSTRUCTION	1.2	PERSONNEL ACCESS INTO KNPS SITE	ACCESS OF PERSONNEL	INTOXICATED PERSONNEL ENTERING KNPS,	INJURIES DUE TO PERSONNEL WORKING INTOXICATED	P	1.0	0.5	5.0	6.5	Medium Risk	N/A	ADHERE TO KNPS SECURITY SIGN POSTING /ADHERE TO KNPS SECURITY PERSONNEL AND PROCEDURES.	DAILY BREATHALYZER TESTING WILL BE DONE BEFORE ENTERING THE SITE. RANDOM DRUG TESTING WILL BE PERFORMED.	PIT AND FFD TRAINING TO BE COMPLETED	1.0	-0.5	3.0	3.0	Low Risk	Allana Khudunyane	Sulaiman vd Schryff	Godfrey Gumbi	2025-07-03	
NPM	CONSTRUCTION	1.3	PERSONNEL USING STAIRS/LIFTS/GOODS LIFTS.	ACCESS OF PERSONNEL	USING STAIRS UNSAFE WHEN NOT USING HAND RAILS. USING LIFTS/GOODS LIFT INCORRECTLY	SERIOUS INJURY	P	1.5	0.5	3.0	5.0	Medium Risk	N/A	ADHERE TO WARNING SIGN(S) DISPLAYED AT STAIRCASES. SITUATIONAL AWARENESS. ALWAYS HAVE 3 POINT CONTACT WHEN ASCENDING OR DESCENDING THE STAIRS, NEVER WEAR SAFETY HARNESS IN ELEVATORS.	.JOB OBSERVATION, HP TOOLS	SHE TALKS/ MAKE USE OF HANDRAILS AND NEVER RUN UP OR DOWN A STAIRCASE	1.5	-0.5	2.0	3.0	Low Risk	Allana Khudunyane	Sulaiman vd Schryff	Godfrey Gumbi	2025-07-03	

NPM	CONSTRUCTION	1.4	PERSONNEL WALKING AROUND GENERAL AREAS OF KNPS	ACCESS OF PERSONNEL	PERSONNEL NOT ABIDING TO KNPS PERDESTRIAN CROSSING /WALKWAYS	INJURY/ IMPAIRMENT	P	1.0	0.5	5.0	6.5	Medium Risk	N/A	EMPLOYEES ARE REQUIRED TO COMPLETE ALL RELEVANT FFD PROCESSES AND COURSES	JOB OBSERVATION/ 2M RULE	BE VIGILANT/ 2M RULE/ TOOL BOX TALKS	1.0	-0.5	3.0	4.5	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	1.5	PERSONNEL WALKING AROUND GENERAL AREAS OF KNPS	ACCESS OF PERSONNEL	ENTERING NOISE ZONES GREATER THAN 85dB WITH OUT CORRECT HEARING PROTECTION	NOISE INDUCED HEARING LOSS (NIHL)	P	1.0	0.0	5.0	5.0	Medium Risk	N/A	ADHERE TO SIGN POSTING'S ON SITE	AUDIOGRAM TESTING TO BE DONE REGULARLY/ REGULAR NOISE SURVEYS MUST BE DONE BY REGISTERED OCCUPATIONAL HYGIENIST TO ASSESS THE NOISE LEVELS	WEAR CORRECT PPE(EAR PROTECTION), ENSURE EARPLUGS ARE CORRECTLY INSERTED INTO THE EAR. STAR AND PREJOB BRIEFING.	1.0	0.0	3.0	4.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	1.6	PERSONNEL WALKING AROUND GENERAL AREAS OF KNPS	ACCESS OF PERSONNEL	PERSONNEL BEING EXPOSED TO SNAKES AND OTHER DANGEROUS WILD LIFE WHILE AT KNPS	INJURY	P	2.0	0.0	4.0	6.0	Medium Risk	N/A	OBSERVING OF SNAKE. SIGN POSTING. ONLY SNAKE CATCHER TO HANDLE SNAKES. CONTACT JURINA LE ROUX ON EXTENTION 1257/1258 OR 083 6633 467	OE. APPLY 2M RULE. TOOLBOX TALK ON ENVIRONMENTAL AWARENESS .I.E SNAKES	SHE TALKS.OPERATING EXPERIENCE. IT IS IMPORTANT TO KNOW HOW THE DIFFERENT TYPES OF SNAKES LOOK LIKE (COLOUR, SIZE,ETC)TO ASSIST MEDICAL SERVICE OR TREATING PHYSICIAN TO KNOW WHAT ANTI-VERMOM TO ADMINISTER. CALL EMERGENCY SERVICES ON EXTENTION 4222	2.0	-0.5	2.0	4.5	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	2	DRIVING VEHICLES ON/ONTO KNPS SITE																						
NPM	QC	2.1	OPERATION OF VEHICLES ON KNPS SITE	VEHICLE OPERATION	UNROADWORTHY VEHICLES, INCOMPETENT DRIVER,DRIVER DISREGARDING KNPS RULE AND REGULATIONS	SERIOUS INJURY/DAMAGE TO PLANT AND EQUIPMENT	PA	2.5	0.5	3.0	6.0	Medium Risk	CORRECT SERVICE INTERVALS MUST BE FOLLOWED AS PER VEHICLE PRE INSPECTION CHECKLIST TO BE DONE.	SPEED LIMIT TO BE ADHERED ON SITE. (SPEED LIMIT ONSITE 35 KM/H)	DRIVER TO HAVE A VALID LICENCE/DRIVER TO BE COMPETENT	CONSTRUCTION REGULATION 23(1)(B)(D),ii/NATIONAL ROAD TRAFFIC ACT 93 OF 1996	0.5		1.0	4.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	3	LIFTING OPERATIONS ON KNPS																						
NPM	QC	3.1	LIFTING OF EQUIPMENTS	PERSONNEL STANDING OR WORKING NEAR SUSPENDED LOAD	LOAD DROPPIG	SERIOUS INJURIES	P	2.5	0.5	5.0	8.0	High Risk	BARRICATED AREA WHERE THERE IS A SUSPENDED LOAD. PRE-JOB BRIEFING. HP TOOLS,APPROVED RIGGING PLAN TO BE IN PLACE BEFORE ANY RIGGING	WORK PROCEDURE/SUPERVISIO N OVERSIGHT REQUIRED AT ALL TIMES DURING RIGGING TASK/RIGGING PLAN TO BE APPROVED AND IN PLACE BEFORE ANY RIGGING TAKES PLACE/LIFTING EQUIPMENT CHECKLISTS TO BE COMPLETE	PIT/RIGGER TRAINING AND AUTHORISATION.	DMR 18 (11)	2.5	-0.5	1.0	3.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	QC	3.2	LIFTING OF EQUIPMENTS	PERSONNEL STANDING OR WORKING NEAR SUSPENDED LOAD	LOAD DROPPIG	DAMAGE TO EQUIPMENT OR PLANT	A	2.5	0.5	3.0	5.5	Medium Risk	BARRICADE AREA WHERE THER IS SUSPENDED LOAD. PREJOB BRIEFING. HP TOOLS	PROCEDURE/SUPERVISIO N OVERSIGHT REQUIRED AT ALL TIMES DURING RIGGING TASK/RIGGING PLAN TO BE APPROVED AND IN PLACE BEFORE ANY RIGGING TAKES PLACE/LIFTING EQUIPMENT CHECKLISTS TO BE COMPLETE	PLANT ACCESS TRAINING. RIGGER TRAINING AND JOB SEPCIFIC TRAINING AND AUTHORISATION	DMR 18 (6)	2.5	-0.5	2.0	3.5	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	4.0	USING OF LADDERS																						
NPM	QC	4.1	USING LADDER	OPERATION AND USE OF LADDERS (STEP)	UNSAFE USE OF LADDERS	SERIOUS INJURIES	P	3.0	0.5	2.0	5.5	Medium Risk	INSPECT THE LADDER BEFORE USE	SUPERVISORY AND SAFETY INSPECTIONS/JOB OBSERVATIONS	WEAR APPROPRIATE PPE/WORKING AT HEIGHT TRAINING.	MAN DIR 009/GSR 13A	1.0	0.0	2.0	3.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03

NPM	CONSTRUCTION	5	PERSONNELL WORKING ON SCAFFOLDING																						
NPM	QC	6.1	WORKING ON SCAFFOLDING	WORKING AT HEIGHTS	WET AND SLIPPERY SCAFFOLD	SLIPS,TRIPPS AND FALLS	P	2.5	1.0	3.0	6.5	Medium Risk	All BARRICADES AND KICKBOARDS BE IN PLACE.	SCAFFOLD INSPECTION AND OBSERVATION TO BE DONE	WORKING AT HEIGHT AND MATERIAL HANDLING TRAINING.	OCCUPATIONAL HELATH & SAFETY ACT 1993 (Act No. 85 of 1993) REGULATION 14 OF THE CONSTRUCTION REGULATION.(SCAFFOLDIN G)	2.5	-0.5	1.0	3.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	7	MANUAL HANDLING MATERIALS																						
NPM	QC	7.1	MATERIALS HANDLING	MANUAL HANDLING	INCORECT ERGONOMICS PRACTICES	INJURIES	P	2.5	0.0	3.0	5.0	Medium Risk	MATERIAL HANDLING GUIDE:- REFER TO KGA-114.	SUPERVISORY AND SAFETY INSPECTIONS/JOB OBSERVATIONS	APPLY PROPER LIFTING TECHNIQUES BY BENDING KNEES SLIGHTLY WHEN LIFTING OBJECT. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE)(EG. KIDNEY BELTS)	MAN DIR 009.MATERIALHANDELING TRAINING ESKOM GUIDE KGA-114	2.5	-0.5	1.0	3.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	8	GENERAL ACTIVITIES																						
NPM	QC	8.1	WORKING IN CONTROL ZONE	WORKING IN RADIOLOGICAL ENVIRONMENT	RADIOLOGICAL CONTAMINATION AND DOSE EXPOSURE	EXCESSIVE DOSE RATE	P	1.5	1.0	6.0	8.5	High Risk	MAKE USE OF ALARA. ENSURE RPC IS ADHERED TO.	SELF CHECKING. 2M- RULE. SITUATIONAL AWARENESS	APPLY HP TOOLS, TOLLBOX TALK AND PRE- JOB BRIEFING	OCCUPATIONAL HEALTH AND SAFETY ACT 85 OF 1993 SECTION 8(1)(2),14(A)	2.5	-0.5	1.0	3.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	CONSTRUCTION	9	OFFICE WORK																						
NPM	QC	9.1	OFFICE	WORKING IN OFFICE	WORKING ON COMPUTERS, SITTING POSITION ,PRACTICING POOR ERGONOMICS AT WORK STATION.	WORK RELATED UPPER LIMB DISORDER, REPETIVE STRAIN	P	2.0	1.0	3.0	6.0	Medium Risk	USE OF FOOTREST/CORRECT WORK STATION LAYOUT/ERGONOMICALLY FRIENDLY CHAIR/AVOID LONG WORKING SESSIONS	ERGONOMICS ASSESMENT/JOB OBSERVATIONS	SHE INDUCTION AND AWARENESS	OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO.85 OF 1993)REGULATION 8(1)	2.5	0.0	2.0	4.5	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
NPM	QC	9.2	OFFICE	USING HYDROBOIL	AIRLOCK IN HYDROBOIL CAUSING HOT WATER TO SPLASH ONTO HANDS	BURNS	P	3.0	0.5	3.0	6.5	Medium Risk	FOLLOW SAFETY INSTRUCTIONS ON HYDROBOIL	HP TOOLS/STAR/2M	OPERATIONAL EXPERIENCE	OSHACT NO.85 OF 1993 SEC8(1)	2.5	0.0	1.0	4.0	Low Risk	Aliana Khudunyane	Sulaiman vd Schyff	Godfrey Gumbi	2025-07-03
				Compiled By: Aliana Khudunyane		Khudunyane						Reviewed By: Suliaman vd Schyff		Suliaman vd Schyff		Authorised By: Godfrey Gumbi									