

DEPARTMENT: NUCLEAR PROJECT MANAGEMENT - DESIGN OF THE ICCP SYSTEM MOD() REVISION NUMBER 2 (JAN 2024/ 2025)

Department	Group	Item Number	Activity / Product / Service / Process	Process / Product / Service / System	Environmental Aspects / Substances	Environmental Impacts / Substances	Risk Category	Initial Frequency	Initial Probability	Initial Severity	Initial Risk Value	Initial Risk Classification	Legal and Other Requirements	Frequency	Probability	Severity	Final Risk Value	Final Risk Classification	Compld By:	Reviewed By:	Date: 2024/01/14		
NPM	CONSTRUCTION	1	ACCESS AND EGRESS ON KNPS	Process Production/Systems	Environmental Aspects/Substances	Environmental Impacts/Substances	High Risk	0.5	0.5	5.0	5.0	High Risk	Applicable Legal & other requirements & applicable sections (IEG: National Environmental Management Act 107 of 1998, Section 24; National Water Act, Section 23; National Environmental Health and Safety Act No. 61 of 1997; Occupational Health and Safety Act No. 85 of 1993; Section 8 of the Labour Relations Act No. 66 of 1997; General duties of employers to their employees)	0.5	0.5	2.5	2.5	Very Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14		
		1.1	ON SITE EMERGENCY AND EVACUATION PLAN	ACCESS OF PERSONNEL	EMERGENCY AND MUSTER PROCEDURE PROCESS	UNASSISTED PERSONNEL TRAPPED IN DANGEROUS AREAS	High Risk	P	0.5	0.5	5.0	5.0	High Risk	BE FAMILIAR WITH EMERGENCY REGULATIONS (TJ/AG) (RISK PROSEPH-104/11)	0.5	0.5	2.5	2.5	Very Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		1.2	PERSONNEL ACCESS INTO KNPS SITE	ACCESS OF PERSONNEL	INTOXICATED PERSONNEL ENTERING KNPS	INJURIES DUE TO PERSONNEL WORKING INTOXICATED	Medium Risk	P	1.0	0.5	5.0	6.4	Medium Risk	NATIONAL KTY POINT ACT NO 102 OF 1988/SECTION 24	1.0	0.5	3.0	3.0	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		1.3	PERSONNEL WALKING AROUND GENERAL AREAS OF KNPS	ACCESS OF PERSONNEL	PERSONNEL NOT ABIDING TO KNPS PROHIBITION CROSSING REGULATIONS	INJURY/IMPAIRMENT	Medium Risk	P	1.0	0.5	5.0	6.5	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996	1.0	0.5	3.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		1.4	PERSONNEL WALKING AROUND GENERAL AREAS OF KNPS	ACCESS OF PERSONNEL	PERSONNEL BEING STRUCK BY DANGEROUS WILDLIFE WHILE AT KNPS	INJURY	Medium Risk	P	2.0	0.0	4.0	6.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996	2.0	0.0	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		2	DRIVING VEHICLES ON/ONTO KNPS SITE	VEHICLE OPERATION	VEHICLE OPERATION	FATALITY SERIOUS INJURY	Medium Risk	P	2.5	0.5	3.0	6.0	Medium Risk	CONSTRUCTION REGULATIONS 231(1)(B)(I)/NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.5	0.5	1.0	4.0	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		2.1	OPERATION OF VEHICLES ON KNPS SITE	VEHICLE OPERATION	UNWORTHY VEHICLE OPERATOR DISREGARDING ROAD AND REGULATIONS	DAMAGE TO PLANT AND EQUIPMENT	Medium Risk	A	2.0	1.0	2.0	5.0	Medium Risk	CONSTRUCTION REGULATIONS 231(1)(B)(I)/NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		2.2	OPERATION OF VEHICLES ON KNPS SITE	VEHICLE OPERATION	MEDICALLY UNFIT DRIVER	DAMAGE TO PLANT AND EQUIPMENT	Medium Risk	A	2.0	1.0	2.0	5.0	Medium Risk	CONSTRUCTION REGULATIONS 231(1)(B)(I)/NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		3	TRANSPORTATION OF CONTAINERS ON KNPS	PHYSICAL	PHYSICAL	FATALITY	High Risk	P	1.0	0.5	6.0	7.5	High Risk	NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 15 (1)	1.0	0.5	2.0	3.5	Very Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		3.1	SET UP OF PLANT EQUIPMENT TO AND FROM KNPS	PHYSICAL	INCORRECT LOAD BEING PLACED ON TRAILERS FALLING ON PEOPLE	DAMAGE TO PLANT AND EQUIPMENT	Medium Risk	A	2.0	0.5	3.0	6.5	Medium Risk	CONSTRUCTION REGULATIONS 231(1)(B)(I)/NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		3.2	TRANSPORTING LOADS	PHYSICAL	MATERIALS DAMAGED DUE TO PLACED INCORRECT LOAD NOT SECURE	DAMAGE TO PLANT AND EQUIPMENT	Medium Risk	A	2.0	0.5	3.0	6.5	Medium Risk	CONSTRUCTION REGULATIONS 231(1)(B)(I)/NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		4	PERSONNEL USING HAND TOOLS	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	Medium Risk	P	2.0	1.0	2.0	5.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14	
		4.1	MAINTENANCE OF HAND TOOLS	CONSTRUCTION	UTILIZATION AND MAINTENANCE OF HAND TOOLS	POOR MAINTENANCE OF HAND TOOLS	INJURY	Medium Risk	P	2.0	1.0	2.0	5.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	2.0	4.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14
		4.2	HAND TOOLS	CONSTRUCTION	UTILIZATION AND MAINTENANCE OF HAND TOOLS	FINGER POINTS	MINOR INJURY	Medium Risk	P	2.0	1.0	3.0	6.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	2.0	0.5	1.0	3.5	Low Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14
5	PERSONNEL MANUALLY HANDLING MATERIALS	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	Medium Risk	P	3.0	0.0	3.0	6.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	3.0	0.0	3.0	6.0	Medium Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14			
5.1	MATERIALS HANDLING	CONSTRUCTION	MANUAL HANDLING	POOR BODY POSTURE EXCESSIVE FORCE	MUSCLE STRAIN	Medium Risk	P	3.0	0.0	3.0	6.0	Medium Risk	OCCUPATIONAL HEALTH AND SAFETY 1993/REGULATION 8(1) NATIONAL ROAD TRAFFIC ACT 93 OF 1996/SECTION 35(3)	3.0	0.0	3.0	6.0	Medium Risk	MANDISA FLITANE	ALMAHA KHOUYRANE	2024-01-14		

Compld By: MANDISA FLITANE
 Reviewed By: ALMAHA KHOUYRANE
 Date: 2024/01/14

Signature