



# KUSILE POWER STATION

## Integrated Risk Management Bow Tie Form

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Review Date	31 July 2026
Rev	2

### Risk Assessment

2. Causes (of the risk)	
1	High slurry accumulation on the exposed HDPE liner section of the dams that need to be cleaned using yellow plant
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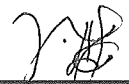
1. Risk
Risk of contaminating ground water with polluted water from pollution control dams due to damaged HDPE liners during dam cleaning resulting in a legal contravention

3. Consequences (of the risk, not of the causes)	
1	Public complaints
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4. Existing Controls for the Causes (affecting the likelihood of the risk)		Control Effectiveness	Control Owner
1	Regular cleaning of the pollution control dam and settling tanks to prevent excessive slurry accumulation	ME	Nini Maraba
2	Leak detection system to recirculate water collected in the leakage detection sumps	MI	Busi Nkomo
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5. Existing Controls for the Consequences		Control Effectiveness	Control Owner
1	Regular engagement with the interested and affected parties at the Quarterly environmental monitoring committee meeting	FE	Lesiba Kgobe
2	Implementation of Environmental Incident Procedure	FE	Lesiba Kgobe
3	Regular borehole water monitoring throughout the Station and immediate environment.	FE	Lesiba Kgobe
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Risk Control Effectiveness		Consequence Factor	Likelihood Factor		Potential Exposure	Risk Owner
MI		3	D	II	Business Unit	Fuluthelo Netshiongolwe
Consequence factor reasoning: The Station has already been issued with a notice from the relevant authority. Further overflows may result in the Station being issued a directive.						
Likelihood factor reasoning: Areas where the liner has been damaged have been recorded. Impact on the groundwater has not been determined yet.						

Tasks to improve control effectiveness (all controls not Fully Effective)				Task Owner	Task Owner Acceptance (Signature)	Due Date
1	Appointment of a suitably qualified Contractor to repair damaged liners in the process of cleaning the dams	Thami Simelani				02-02-2026
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New Treatment Tasks / Opportunities				Task Owner	Task Owner Acceptance (Signature)	Due Date
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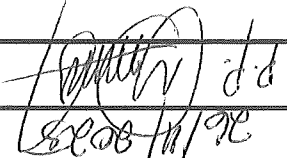
DATE CAPTURED

COMPILED BY:			
NAME	Keoagile Kgadi	DESIGNATION	System Engineer
DATE	26/11/2025		
SIGNATURE			

PARTICIPANTS			
NAME	XOLIE LANGA	DESIGNATION	SNR TECH
	LOVE MORE LUKHELE		SNR SUPERV
	PHETHENI MHLONGO		SNR ADVISOR
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Tasks to improve control effectiveness				Task Owner	Task Owner Acceptance (Signature)	Due Date
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New Treatment Tasks / Opportunities				Task Owner	Task Owner Acceptance (Signature)	Due Date
1						
2						
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4						
5						

ACCEPTED BY:			
NAME	Busi Nkomo	DESIGNATION	Auxiliary Plant Engineering Manager
DATE	26/11/2025		
SIGNATURE			

APPROVED BY:			
NAME	Thami Simelani	DESIGNATION	Coal and Ash Line Manager
DATE	26/11/2025		
SIGNATURE			