PROJECT: **04-2026 Farm Die Vlakte No. 731 Poultry Broiler House Development** **Tab 2**

RISK ASSESSMENT MATRIX for Section 21 (c) and (i) Water Use activities - Version 2.1.1

Name of Assessor: AJH Lamprecht

SACNASP Registration Number: 115601

Date of assessment: 21 & 28 01 2026

Signature:

Phase	Activity	Impact	Potentially affected watercourses			Significance (max = 100)	Risk Rating	Confidence level
			Name/s	PES	Overall Watercourse Importance			
CONSTRUCTION	Mechanical clearance and excavation associated with the proposed Rearing House 6 development to the east of the identified ephemeral preferential water flow paths/drainage lines confluence.	Noise and lighting generation and disturbance to common/general diurnal and nocturnal aquatic faunal species	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**4**	**L**	Medium
		Exotic- and legally declared alien invasive species establishment and spreading throughout the local and broader surrounding aquatic landscape	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**2**	**L**	High
		Alteration/impeding of the sources/drivers and flow regime of the ephemeral preferential water flow paths/drainage lines confluence (volumes and peak flow) and consequent impact on the ecological connectivity, -functionality and -integrity of the local watershed and broader sub-quaternary surface water catchment and drainage area	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**0.8**	**L**	High
		Contamination of the sources/drivers and flow regime of the ephemeral preferential water flow paths/drainage lines confluence and consequent impact on the ecological connectivity, -functionality and -integrity of the local watershed and broader sub-quaternary surface water catchment and drainage area (surface material/soil erosion as well as slight fugitive dust generation, emissions and fallout)	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**4**	**L**	Medium
		Contamination of the sources/drivers and flow regime of the ephemeral preferential water flow paths/drainage lines confluence and consequent impact on the ecological connectivity, -functionality and -integrity of the local watershed and broader sub-quaternary surface water catchment and drainage area (sewage, hydrocarbons and other chemicals)	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**2.8**	**L**	Medium
OPERATIONAL	Daily operations of the established Rearing House 6 development to the east of the identified ephemeral preferential water flow paths/drainage lines confluence.	Continued noise and lighting generation and disturbance to common/general diurnal and nocturnal aquatic faunal species	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**5.6**	**L**	Medium
		Continued exotic- and legally declared alien invasive species establishment and spreading throughout the local and broader surrounding aquatic landscape	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**2.8**	**L**	High
		Continued alteration/impeding of the sources/drivers and flow regime of the ephemeral preferential water flow paths/drainage lines confluence (volumes and peak flow) and consequent impact on the ecological connectivity, -functionality and -integrity of the local watershed and broader sub-quaternary surface water catchment and drainage area	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**0.8**	**L**	High
		Continued contamination of the sources/drivers and flow regime of the ephemeral preferential water flow paths/drainage lines confluence and consequent impact on the ecological connectivity, -functionality and -integrity of the local watershed and broader sub-quaternary surface water catchment and drainage area (sewage, hydrocarbons and other chemicals)	Two first-order non-perennial watercourses (small ephemeral preferential water flow paths/drainage lines confluence)	A/B	Low / Very low	**3.6**	**L**	Medium