

	IMERYS REFRACTORY MINERALS (PTY) LTD CAPE BENTONITE MINE	
TITLE Storm water Management Plan for RE 1412& ERF3264	Version 01	November 2024

STORMWATER MANAGEMENT MEASURES TO BE IMPLEMENTED ON SITE

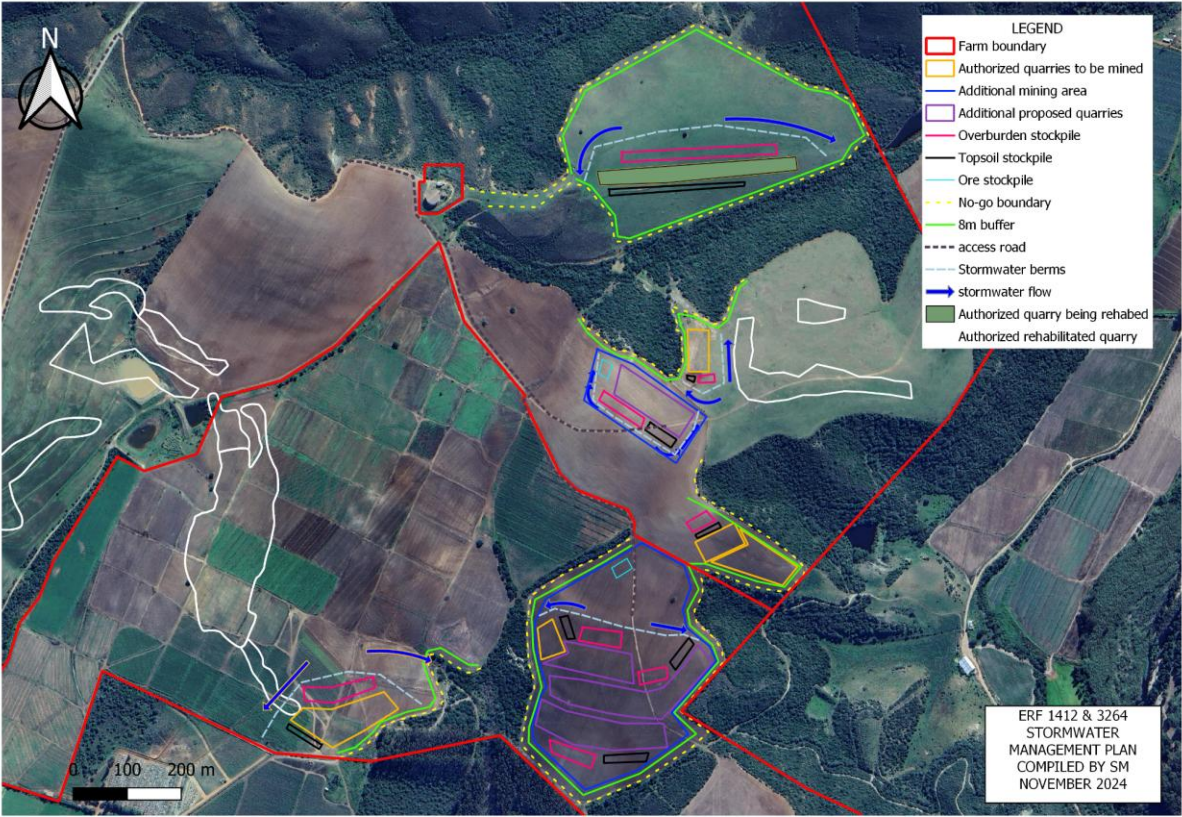
- Maintenance of stormwater drains, trenches and silt traps where applicable will be diligently undertaken throughout the mining operational phase to prevent blockages, spillages and general malfunction.
- Vegetation growth on the stormwater berms, and all other exposed soils will be encouraged as a preventative measure against erosion.
- All storm water structures will comply with Regulations GN 704 of 4 June 1999.
- All clean storm water will be routed directly to the natural water courses/drainage around proposed quarry area.
- The “dirty” water management system (water inside quarry area) will be a closed system with no discharge or spillages to the surface water environment. The size of the “dirty” water management areas will be limited to the footprint of the proposed quarry area.
- One meter wide berm walls around the quarry area will be constructed to ensure that the surrounding storm water flow cannot flow into the proposed quarry areas and to prevent storm water from escaping from the quarry area, and allow water to drain into its natural flow paths. Refer to the stormwater management plan maps below.
- The topsoil and overburden stockpiles proposed will curve towards the natural drainage areas in order to guide the flow of the stormwater towards the natural drainage and also berm walls constructed around these stockpiles.
- If erosion of topsoil and/or overburden stockpiles is detected erosion rectification and prevention measures as stipulated in the Environmental Management Programme will be implemented.

Table 1 : Point Storm Rainfall Depths.

Month	24hrs
January	56
February	38
March	75
April	108
May	56
June	33
July	88

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August	161
September	34
October	181
November	51
December	63



Map 1: Storm water management berms and flow path directions for proposed mining areas.

END