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1 February 2024

Our Ref: 231960-C1 – Stormwater Storage Report

Woolworths Group
1 Woolworths Way
BELLA VISTA NSW 2153

Attention: Peta Byram

Dear Peta,

RE: DISTRIBUTION CENTRE
29 SARAH ANDREWS CLOSE, ERSKINE PARK, NSW
STORMWATER CAPACITY ASSESSMENT

I refer to the proposed amendments to the existing industrial facility at the aforementioned address. The existing industrial facility was approved under the NSW State Government Consent MP06_0253. It is understood the amendments comprise the introduction of an Aerosol Store to be constructed within the previous extent of the current building with no increase in the building area or works required external to the building. Goods stored within the Aerosol Store are deemed to be dangerous goods and a Storage Mode Sprinkler System (SMSS) is required to be deployed in the event of a fire. Runoff from this sprinkler system is required to be stored on site to prevent off-site impacts. Runoff will be retained on site by the fire alarm activation of the existing Penstock valve located just upstream of the gross pollutant trap and stormwater outlet to Sarah Andrews Close.

This letter provides an assessment of the available stormwater storage capacity that can be utilised in the event of the SMSS being activated. It is understood that the minimum storage requirement is 700m^3.

The following documents are referenced in this letter:

- Preliminary Hazard Analysis – Rickson Engineering dated 20/12/2023
- Civil Engineering Drawings and models (Ref 06465)

The existing site storage system comprises separate pit and pipe networks for roofwater and surface runoff. Detention and retention storage for roofwater is provided within an in-ground concrete tank whereas detention for surface runoff is provided in a network of oversized pipes and above ground ponding in the hardstand areas. Henry & Hymas conducted an assessment of available storage and have provided a summary in the table below.

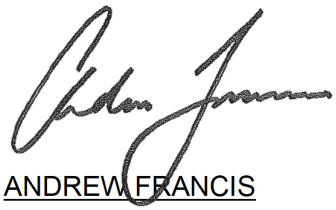
Site Location / Storage Area	Storage Volume (m3)
Surface runoff pipes	611
Surface ponding	1,304
Rainwater detention tank #	1,509
Roofwater pipes #	497
Overall total #	3,921
Available total #	**1,915**

Note sprinkler runoff water would have to back up into the sprinkler runoff to enter the rainwater detention and roof water pipes to utilise this storage and as such these volumes have been excluded from what is considered available storage.

As can be seen from the table above, there is 1,915m^3 of readily available storage for the capture of sprinkler runoff which exceeds the minimum requirement of 700m^3. On this basis, it can be concluded that runoff from this sprinkler system is sufficiently able to be stored on site with no off-site impacts.

I trust this information meets your requirements. Please not hesitate to contact me if you have any queries about any of the above.

Yours faithfully,



ANDREW FRANCIS
For, and on behalf of,
H & H Consulting Engineers Pty Ltd