ANNUAL SPOIL REPORT

DECEMBER 2023 – DECEMBER 2024

Maragle 330kV Switching Station and 330kV Transmission Line Connections

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Report Approval

Rev.	Approval	Name	Position	Organisation	Signature	Date
1.00	Approved By	Louis Linde	Project Manager	UGL		14/08/2025
1.00	Endorsed By	Andrew Buttigieg	Senior PM (Delivery)	Transgrid		18/8/25

Document Revision History

Rev.	Date	Prepared by	Reviewed by	Approved by	Remarks
0.01	21/03/2025	Camille Palmer	Jason Snape	Louis Linde	Initial issue for internal and client review
0.02	7/08/2025	Camille Palmer	Jennifer Miller	Louis Linde	Address Transgrid comments
1.00	14/08/2025	Camille Palmer	Jason Snape	Louis Linde	Final

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ACRONYMS AND ABBREVIATIONS

A complete list of all acronyms and abbreviations used within this Plan is provided below.

Acronym	Definition
ADE	ADE Consulting Group Pty Ltd
CoPCs	Contaminants of Potential Concern
EPL	Environment Protection Licence
FGJV	Future Generation Joint Venture
km	Kilometres
NAG	Net Acid Generation
NAPP	Net Acid Producing Potential
NEM	National Energy Market
NOA	Naturally Occurring Asbestos
NSW	New South Wales
PAF	Potentially Acid Forming
PASS	Potential Acid Sulfate Soils
POEO Act	Protection of the Environment Operations Act 1997
TRH	Total Recoverable Hydrocarbon
VENM	Virgin Excavated Natural Material

1 INTRODUCTION

To connect Snowy 2.0 Main Works to the National Energy Market (NEM), a new transmission connection is required. NSW Electricity Networks Operations Pty Ltd as a trustee for NSW Electricity Operations Trust (known as Transgrid and the Proponent) received development approval on 2 September 2022 to construct a switching station and overhead transmission lines ('the Project') to facilitate the connection of Snowy 2.0 to the existing electrical transmission network, approximately 27 kilometres (km) east of Tumbarumba, New South Wales (NSW).

For the purposes of classification, 'spoil' is defined in this report as all subsoil material excavated during Project works, and therefore any material not classified and segregated as topsoil will be treated as spoil.

1.1 LICENSES

An Environment Protection Licence (EPL Licence No. 21753) for the Project premises was issued to Transgrid by the NSW EPA on 23rd December 2022 under the *Protection of the Environment Operations Act 1997* (POEO Act). This EPL requirement was triggered under Schedule 1 of the *Protection of the Environment Operations (General) Regulation* 2022 due to extractive activities required during construction. In the months following calculations determined greater anticipated spoil volumes, and a request was submitted to the EPA for a licence variation. The EPA issued a Licence Variation Notice (1628478) to Transgrid on the 14 September 2023 for the approved extractive limit for spoil to increase to 561,231 Tonnes (i.e. >100000-500000 T annually). The approved extractive limit as detailed within condition A1.2 of the EPL is provided in Figure 1.

1.2 PURPOSE AND SCOPE

This Annual Report has been prepared to satisfy the reporting requirements for:

- Section 6, Condition R1.1 of the Environmental Protection Licence
- Section 8 of the Spoil Management Plan (3200-0645-PLN-020-CEMP-SMP).

Table 1-1 details the relevant conditions of the EPL relevant to the Spoil Management Plan within the Soil and Water Management Plan (Transgrid 2024).

The scope of this report is between 4th December 2023 and 4th December 2024.

A1.2 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Extractive activities	Extractive activities	> 100000 - 500000 T annually extracted or processed

Note: Under the Protection of the Environment Operations Act, the approved extractive limit for the project is 561,231 Tonnes

Figure 1-1 Extract from EPL 21753

Table 1-1 Summary of Approval Requirements Covered in the Report

Condition	Report Section
Spoil Characterisation O5.1 Location and geochemistry The Licensee must ensure that all samples collected for spoil characterisation are: a. representative of the material currently being extracted from the specific area; b. is not skewed by veins; and c. corresponds to the material placed on the emplacement area	Section 2.2
Spoil Treatment O5.2 All treatment of spoil including but not limited to the temporary storage of spoil, and treatment of Potentially Acid Forming (PAF) material and material at risk of resulting in Acid Mine Drainage or Neutral Mine Drainage, must be undertaken in a manner that: a. achieves permanent neutralisation of the material b. prevents pollution of waters; and c. prevents contamination of land	Section 2.3
O5.3 The Licensee must validate that all treated spoil material meets the requirements of condition O5.2	Section 2.4

2 SPOIL VOLUME

2.1 VOLUME OF EMPLACED SPOIL

Spoil quantities are calculated by the volume of material transferred from the excavation area to respective emplacement areas, based on provided quantities from subcontractors or number of truck movements accounting for truck size. A total of 101,921.84 tonnes of ex-situ spoil material was generated during the reporting period.

Table 0-1 Summary of Spoil Volumes (Tonnes) between 4 December 2023 and 4 December 2024

Emplacement Area	East	West
Snowy Temporary Spoil Emplacement (Leeds)	60,320	N/A
Maragle Substation	N/A	41,601.84
TOTAL	101,921.84	

N/A: Spoil movement to these emplacement areas does not fall within the relevant Project Area.

2.2 SOIL CHARACTERISATION

Investigations to determine spoil characterization for material to be disturbed as part of Project works was undertaken by ADE Consulting Group Pty Ltd (ADE) by means of a desktop review and shallow Virgin Excavated Natural Material (VENM) assessments at various sites within the Project area. All material tested was determined to be VENM in accordance with the *Protection of the Environment Operations Act 1997* (POEO Act). except for a sample area within Track 1.

One sample within the middle of Access Track 1 reported a Total Recoverable Hydrocarbon (TRH) value post silica gel cleanup which exceeded the VENM criteria. Further delineation samples were taken in each cardinal direction of the mid track sample, of which reported concentrations of Contaminants of Potential Concern (CoPCs) below VENM background ranges and/or below the laboratory practical quantitation limit (PQL). The final delineation area was approximately 1.2m³ which is not considered to be VENM, however, is considered to be HIL - D commercial/industrial compliant material as per proposed land use. This material can remain on-site, however cannot be classified as VENM.

Initial Naturally Occurring Asbestos (NOA) investigations were undertaken within Track 2 (PADS 12 & 13) and Track 1 (PAD 14) during Geotech investigations by Jones Environmental Consulting, and analysis of field samples collected by UGL by ADE (refer to Figure 2.1 and 2.2). Sampling was unable to be undertaken within PADS 11 & 10 as these areas had not been cleared. Further investigations will be undertaken within the next reporting period during drilling for tower foundations.

Investigations into Potential Acid Forming (PAF) materials were conducted at Tower Pads 12 and 13 within Track 2. However, the screening method used was for Potential Acid Sulfate Soils (PASS) rather than the required Net Acid Producing Potential (NAPP) and Net Acid Generation (NAG) tests specified in Section 5.3 of the Spoil Management Plan. As a result, the testing criteria were incorrect, rendering the results invalid. Further investigations for PAF is planned to occur during Geotech investigative drilling for tower foundation works.

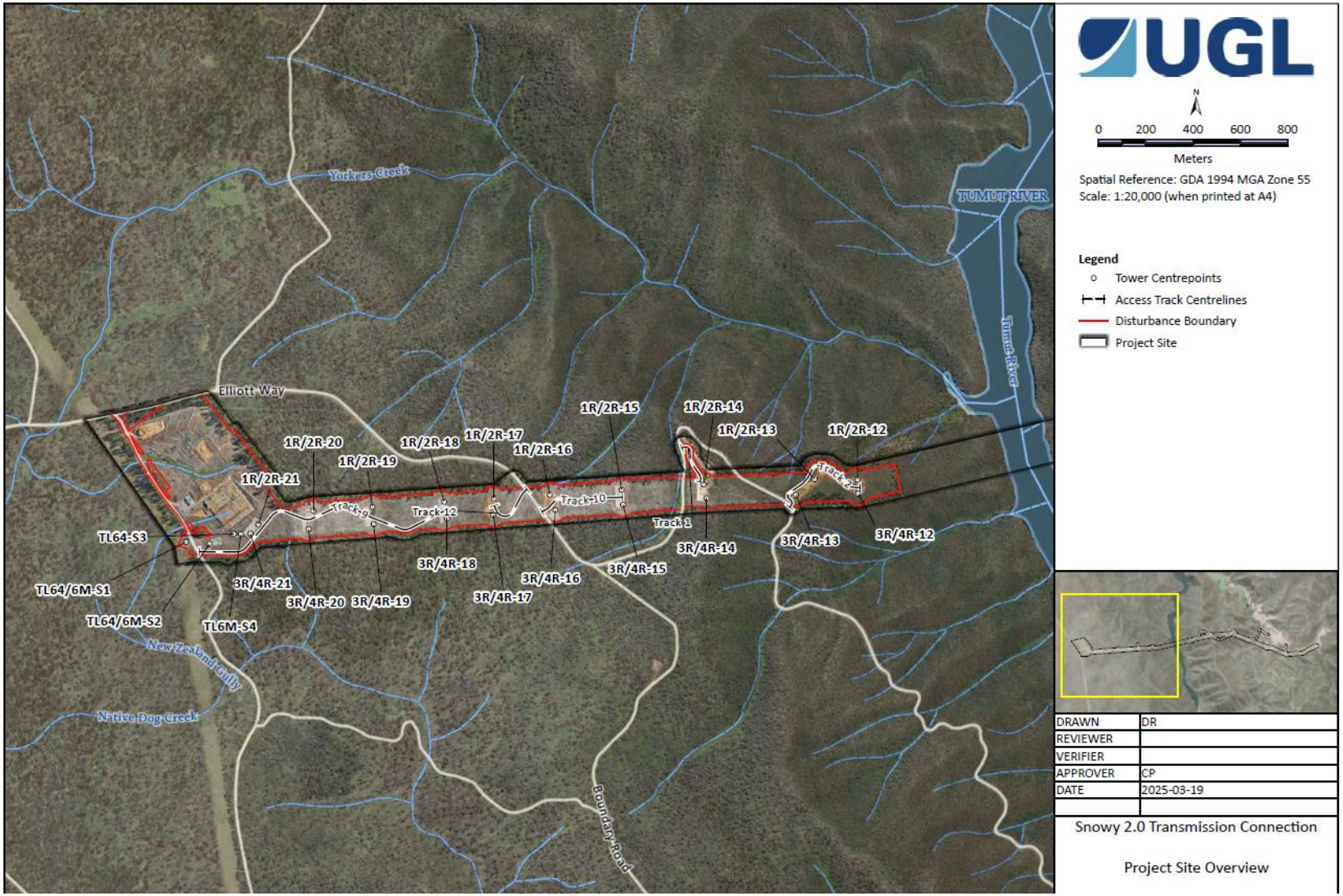

Figure 0-1 Project Site Overview Western Site

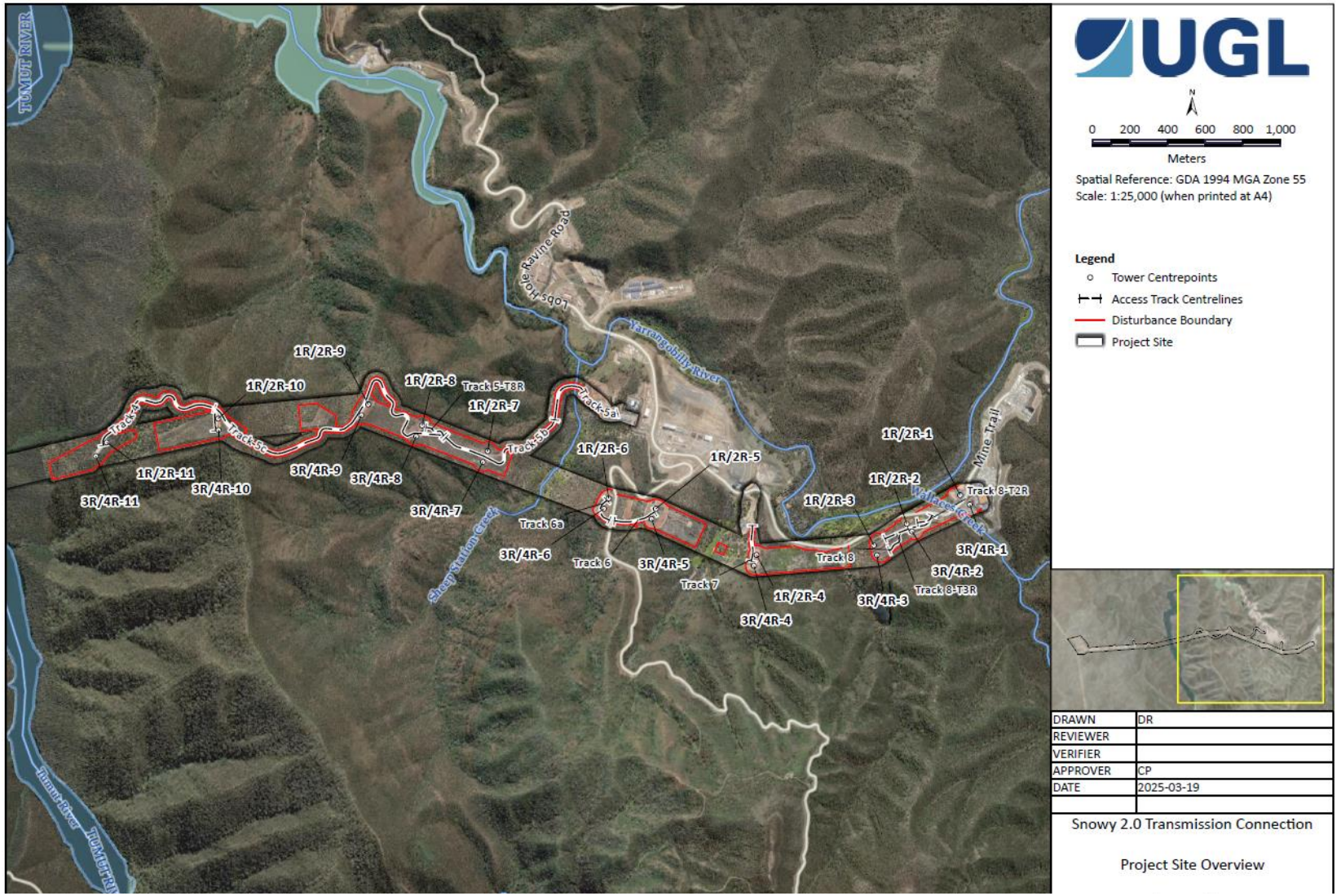

Figure 0-2 Project Site Overview Eastern Site

2.3 SPOIL TREATMENT

No NOA was encountered during this reporting period.

Due to the application of incorrect testing criteria for PAF materials, spoil from areas identified with a high potential for PAF as outlined in the Spoil Management Plan was managed through a permit system. The spoil was segregated into a centralized stockpile and prohibited from being reused within the Project site until appropriate testing criteria were applied to accurately determine its PAF status.

2.4 SOIL TREATMENT VALIDATION

No NOA was encountered during this reporting period, therefore no treatment was required to be undertaken or validated to meet requirements.

A precautionary approach was applied to spoil materials where the incorrect testing criteria had been applied, including segregating materials into a centralized stockpile and prohibiting the re-use of these within the Project area until appropriate testing criteria were applied to accurately determine its PAF status.

3 CONCLUSIONS

3.1 SPOIL SUMMARY

During the reporting period, spoil characterisation was carried out in accordance with the Spoil Management Plan.

- A total of 101,921.84 tonnes of ex-situ spoil materials was generated during this period:
    - No NOA was encountered during this reporting period.
    - Materials incorrectly tested for PASS instead of PAF were segregated and prohibited from further use within the Project area until the correct testing criteria could be applied.
- The following spoil emplacement areas were active during this reporting period
    - Snowy Temporary Spoil Emplacement (Leeds).

3.2 COMPLETION CRITERIA

During this reporting period, spoil emplacement areas were still active and as such, completion criteria is yet to be assessed. Responsibility for completion criteria of Snowy 2.0 Main Works emplacement areas falls under Future Generation Joint Venture (FGJV).

4 REFERENCES

Transgrid. (2024). *Snowy 2.0 Transmission Connection – Soil and Water Management Plan* (rev0.10).