Modification of Development Consent

Section 4.55(1A) of the *Environmental Planning and Assessment Act 1979*

As delegate for the Minister for Planning, under delegation executed on 11 October 2017, I approve the modification of the development consent referred to in Schedule 1, subject to the conditions outlined in Schedule 2.

N.M.Hall, 30.4.18

Nicholas Hall
A/Director
Industry Assessments

Sydney 30 April 2018 File: EF18/4977

SCHEDULE 1

Application No:	06_0220
Applicant:	Armidale Regional Council
Consent Authority:	Minister for Planning
Development:	Armidale Regional Landfill
Date of Original Consent:	4 July 2012
Modification:	06_0220 MOD 1 – Landfill liner, leachate pond liner and leachate collection system design amendments

SCHEDULE 2

This consent is modified as follows:

In Schedule 2: Definitions

1. Delete the definitions for Council and insert the following definitions in alphabetical order:

Council	Armidale Regional Council
MOD 2	Modification application to MP 06_0220, including supporting documentation prepared by GHD Pty Ltd, dated 14 February 2018

In Schedule 3: Administrative Conditions

2. Delete Condition 2 and replace with the following:

2. The Proponent shall carry out the Project generally in accordance with the:
   a) EA;
   b) statement of commitments (see APPENDIX A);
   c) site layout plans and drawings in the EA (as shown in APPENDIX B);
   d) MOD 1; and
   e) MOD 2.

In Schedule 4: Specific Environmental Conditions

3. Delete Condition 5 and replace with the following:

5. Each landfill cell must be construction with a leachate barrier that:
   a) is designed in consultation with the EPA and to the satisfaction of the Secretary;
   b) addresses dispersive soil in the A2 and B soil horizons;
   c) meets independent conformance testing in accordance with the NSW EPA Environmental Guidelines Solid waste landfills (2006); and
   d) includes:
      - a re-compacted clay liner at least 900 mm thick or a geosynthetic clay liner with an in-situ co-efficient of permeability of less than 10^{-9} metres per second covering the entire floor and walls of each waste disposal cell;
      - a flexible membrane liner stabilised against or protected from ultra violet light with a minimum co-efficient of permeability of less than 10^{-14} metres per second covering the entire floor and walls of each waste disposal cell; and
      - a leachate drainage layer for each landfill cell floor comprising a minimum 300 mm layer of drainage medium:
        - with a permeability of not less than 1 x 10^{-3} metres per second;
        - which is chemically resistant to leachate; and
        - which is capable of withstanding the weight of overlying waste;
      - a leachate layer for the landfill cell sidewalls comprising of a Drainage geocomposite layer:
        - with a permeability of not less than 1 x 10^{-3} metres per second;
        - which is chemically resistant to leachate; and
        - which is capable of withstanding the weight of the overlying waste.

4. Delete Condition 7 and replace with the following:

7. The leachate storage dam must:
   a) be designed in consultation with the EPA and to the satisfaction of the Secretary;
   b) be designed to address dispersive soil in the A2 and B soil horizons;
   c) allow for the level of leachate in the storage dam to be maintained such that there is no overflow
   d) be designed to contain a 100-year ARI 3 day rainfall event and provide 150mm freeboard for wave action, providing a total storage capacity of 14.6 ML;
   e) include high-level alarm and/or interlock system configured such that the alarm is activated and any pump or gravity flow of leachate to the dam is automatically shut down prior to dam overflow;
   f) include a leachate barrier comprising:
      - re-compacted clay or similar material at least 600 mm thick with an in situ co-efficient of permeability of less than 2 x 10^{-10} metres per second covering the entire floor and walls of the dam/s; and
      - a flexible membrane liner stabilised against or protected from ultra violet light with a minimum co-efficient of permeability of less than 10^{-14} metres per second covering the entire floor and walls of the dam/s.