

'APPENDIX 1'

Townsville Port Authority, Townsville, QueenslandENVIRONMENT PROTECTION (SEA DUMPING) ACT 1981GENERAL PERMIT

I, Graham Frederick Richardson, Minister of State for the Arts, Sport, the Environment, Tourism and Territories, having had regard to the matters referred to in Section 19 of the Environment Protection (Sea Dumping) Act 1981 and pursuant to my powers under the Act,

one, grant a general permit to the Townsville Port Authority, No 1 The Strand, Townsville, QLD, 4810 and any person contracted by them for the same purpose, for a period of twelve months commencing on the date of approval, to load and to dump up to 350,000 tonnes of dredge spoil of the kind specified in Clause 5 of Appendix 1 attached, arising from the dredging of Townsville Harbour and approaches, subject to the terms and conditions which are described and specified in Appendix 1,

two, grant a general permit to the Townsville Port Authority, No 1 The Strand, Townsville, QLD, 4810 and any person contracted by them for the same purpose, for a period of thirty-six months commencing on the date of approval, to load and to dump up to 53,000 tonnes of dredge spoil per annum comprising uncontaminated siltation material and spillage arising from small-scale maintenance dredging in Townsville Harbour and approaches, subject to the terms and conditions which are described and specified in Appendix 1.

Dated 31st day of May 1988

Graham Richardson

GRAHAM RICHARDSON
Minister of State for the Arts,
Sport, the Environment, Tourism
and Territories

Conditions for dumping at sea of spoil arising from the dredging of Townsville Harbour and Platypus Channel by the Townsville Port Authority (TPA)

1. It is a condition of this permit that any requirements lawfully imposed by State Departments and agencies in areas under their jurisdiction relative to the dredging, transport and handling of dredge spoil are met.
2. The period of the permit is for twelve months for the first part and thirty-six months for the second part, both commencing on the date of signature.
3. Matters relating to operation of vessels and handling of dredge spoil are to be to the satisfaction of both the Queensland Department of Harbours and Marine and the Commonwealth Department of Transport and Communications.
4. Vessels used in the loading, carrying and dumping of the dredge spoil are to comply with all relevant provisions of international conventions.
5. In the case of part one, the large-scale dredging operation; the dredge spoil to be loaded and dumped comprises mixtures of silt, fine sand and clay, and is to be in accordance with those materials described in the permit application of 3 July 1987 and in information subsequently provided by the applicant. If there is any departure from this description, the Department of the Arts, Sport, the Environment, Tourism and Territories (the Department) is to be consulted immediately regarding possible changes in requirements prior to the loading of such material. In the case of part two, the small-scale maintenance dredging operation; the material to be loaded and dumped comprises uncontaminated siltation material and spillage.
6. The material to be disposed of is to be derived from dredging operations at Townsville Harbour and Platypus Channel as indicated in the permit application. No other material additional to that referred to above is to be loaded or dumped.
7. The total quantity of dredge spoil to be dumped under part one of this permit is not to exceed 350,000 tonnes, arising from approximately 200,000 cubic metres of material. The total quantity of dredge spoil under part two of this permit is not to exceed 53,000 tonnes per annum, arising from approximately 30,000 cubic metres of uncontaminated siltation material.

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8. Dumping of all dredge spoil and washing of vessels in part one of the permit is to take place within a four-sided figure whose corners are situated at:

19°10'39" S	146°54'53" E
19°08'09" S	146°56'29" E
19°08'43" S	146°57'28" E
19°11'13" S	146°55'51" E

9. Dumping of all dredge spoil and washing of vessels in part two of the permit is to take place within a four-sided figure whose corners are situated at:

19°13'48" S	146°52'00" E
19°14'51" S	146°54'00" E
19°15'54" S	146°53'18" E
19°14'45" S	146°51'22" E

10. No later than seven days prior to the commencement of loading and dumping of the dredged material, the following information concerning the carrier(s) of the material is to be provided to The Secretary, Department of the Arts, Sport, the Environment, Tourism and Territories, GPO Box 787, Canberra, ACT 2601 (the Secretary)

- name(s) of vessel(s);
- name(s) and address(es) of owner(s) of vessel(s);
- name(s) and address(es) of master(s) of vessel(s);
- port(s) of registration;
- type(s) of vessel(s);
- expected date of commencement of loading; and
- expected frequency of dumping and amounts (eg per day/week)

11. The Department is to be advised promptly of any variation of the information provided in Clause 10 above.

12. All costs incurred as a result of specified monitoring activity and analysis of samples are to be met by TPA.

13. Examination of the dredge and dumping vessel log book entries, and verification that dumping is taking place in the correct location, is to be the responsibility of TPA.

14. Continuous supervision of all activities associated with the operation is to be undertaken by TPA, which is to advise the Secretary immediately of any unscheduled and environmentally adverse event.

15. The monitoring programs in Annex A are to be undertaken for the large-scale sea dumping event of part one of the permit and those specified in Annex B undertaken for the small-scale sea dumping events of part two of the permit.

16. Certified copies of dumping vessels' log book entries covering all loading and dumping activities are to be submitted monthly to the Secretary. The details recorded should include:
 - time and date;
 - quantities dumped; and
 - actual location at the commencement of each dumping operation (latitude and longitude).
17. Discharge of material at the dumpsite is to be managed so that, as far as practicable, spoil is distributed evenly over, and not beyond, the area of the site.
18. If at any time a developing risk is identified from dredging and dumping operations, measures are to be taken immediately to mitigate such risk, including restrictions on time and location of operations. The Department is to be advised immediately of any such situation.
19. Any additional monitoring, investigation or inspection which may be required in connection with this operation by the Department, including air and/or surface surveillance and the provision of facilities mentioned in clauses 21 and 22 below shall be at the cost of TPA.
20. At the completion of the dredging operation the following information is to be provided to the Secretary:
 - dates of commencement and completion;
 - total quantity of dredge spoil handled, in metric tonnes; and
 - the least depth of water over the dredge spoil dumping site determined by sounding and expressed with reference to chart datum.
21. If so required, up to two Commonwealth Government nominees are to be afforded access to witness, inspect or examine any part of the operations, including any monitoring activity or equipment, and are to be provided with any necessary assistance in carrying out their duties. The Permittee is to meet all costs for the attendance of Commonwealth Government nominees including their travel, accommodation and associated incidental expenses.
22. If the duties specified in clause 21 require the Commonwealth Government nominees referred to above to go to sea, the permittee is to provide them with food and accommodation of an acceptable standard incidental to the carrying out of the duties specified. Arrangements are to be made for nominees on completion of the operation to be returned to a convenient Australian port.

23. If measures are taken to mitigate any developing risks under clause 18, a report is to be made immediately to the Department detailing such situations, measures adopted and subsequent monitoring proposals.
24. "Uncontaminated" in this permit and appendix shall have the meaning of not more contaminated than the material described in clause 5 of Appendix I.
25. TPA is to ensure that all owners and persons in charge of vessels involved in the dredging, loading and dumping of dredge spoil are fully conversant with the requirements of this permit and of the Environment Protection (Sea Dumping) Act 1981.

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MONITORING REQUIREMENTS FOR THE DUMPING OF DREDGE SPOIL FROM TOWNSVILLE HARBOUR AND PLATYPUS CHANNEL

Purpose

The TPA intends to dump a portion of the dredge spoil obtained from Townsville Harbour on land after July 1989. The general purpose of this monitoring program is to find a suitable dump site for that portion of dredge spoil which will continue to be dumped at sea.

Specifically this monitoring program is to:

- determine whether the dumping of dredge spoil interferes with marine ecosystems and, if so, whether the interference is unacceptable;
- obtain a better understanding of the circulation in Cleveland Bay and determine whether there is a suitable alternative dump site in Cleveland Bay which has less effect on Platypus Channel and Magnetic Island beaches and reefs; and
- determine a suitable dump site outside Cleveland Bay should there be no suitable dump site within Cleveland Bay for large-scale dredge spoil from Townsville Harbour dredging.

Requirements

At the commencement of the permitted operation, the time taken for the plumes of dumped spoil to settle or disperse at the dumpsite is to be recorded and the movement of plumes under the full range of the tidal and current conditions is to be observed by a nominee of the GBRMPA, who shall report on any actual or potential hazard to neighbouring reefs or areas of ecological importance.

The Townsville Port Authority shall, in consultation with the Great Barrier Reef Marine Park Authority, the James Cook University and the Australian Institute of Marine Science, develop and carry out a monitoring program acceptable to the Department of the Arts, Sport, the Environment, Tourism and Territories which includes the following components:

hydrodynamic studies of the circulation in Cleveland Bay, to the extent necessary to verify the suitability of the dumpsite or of an alternative dumpsite. Such studies may include modelling;

water quality studies at the dumpsite and in areas of ecological significance to the extent necessary to verify the suitability of the dumping practices adopted; and

. investigation and recording of neighbouring sensitive areas, including the reefs fringing Magnetic Island and sea grass beds in Cleveland Bay.

Reports on the above are to be provided to DASETT at six monthly intervals.

MONITORING REQUIREMENTS FOR THE DUMPING OF DREDGE SPOIL FROM
SMALL-SCALE MAINTENANCE DREDGING OPERATIONS IN TOWNSVILLE HARBOUR

Part two of this permit refers to the occasional dumping of small quantities of uncontaminated siltation material or spillage derived from maintenance dredging in Townsville Harbour. It is understood that no contaminated material is to be handled in this way.

Discharge within the designated dumpside for this material is to be so arranged that, as nearly as practicable, the material is distributed evenly upon a substratum of similar nature and grading.

In collaboration with the GBRMPA, measures are to be taken to avoid interference with dugong habitats and activities in waters adjacent to the dumping area.