



Ass # 376

Bull # 506

State # 147

WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT
TO THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT
1986)**

LESLIE SALT PROJECT, EXPANSION OF PONDS, PORT HEDLAND(376)

LESLIE SALT (A DEPARTMENT OF CARGILL AUSTRALIA LTD)

This proposal may be implemented subject to the following conditions:

1. In implementing the proposal, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement) made in the Consultative Environmental Review and consolidated in Appendix 2 of the Environmental Protection Authority's Bulletin 506. (A copy of the commitments is attached).
2. Subject to these conditions, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.
3. Prior to the commencement of construction, the proponent shall prepare and subsequently implement modified designs for the primary concentration and bitterns ponds to the satisfaction of the Minister for the Environment, on advice of the Environmental Protection Authority.
4. The proponent shall prepare and subsequently implement an Environmental Management Programme encompassing measures to monitor the environmental effects of the proposal and to provide appropriate management strategies based on the monitoring results, to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority. The Environmental Management Programme may be separate for each of the phases of the proposal, that is, construction, commissioning and operational, and shall be approved by the Minister for the Environment on advice of the Environmental Protection Authority prior to the commencement of each phase. In the event of any disagreement with the Environmental Protection Authority's conditions, the proponent may refer the matter to the Minister for the Environment whose determination shall be final.
5. The proponent shall construct the additional ponds and subsequently manage the salt mining operation such that the operation does not produce significant, adverse impacts upon the mangrove ecosystems adjacent to the facilities of the salt mine, to the satisfaction of the Environmental Protection Authority. The proponent shall implement measures to mitigate any significant, adverse impacts detected by the monitoring to the satisfaction of the Minister for the Environment on the advice of the Environmental Protection Authority.

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6. The proponent shall prepare and subsequently implement a plan, as part of the Environmental Management Programme, for the protection or rehabilitation of any parts of the mangroves which are likely to be or have been significantly adversely affected by the expansion of the salt mining operation, to the satisfaction of the Environmental Protection Authority.
7. Prior to the commissioning of the pumps, the proponent shall prepare and subsequently implement a pumping regime plan, as part of the Environmental Management Programme, such that the tidally-wetted area of algal mats is not significantly decreased, to the satisfaction of the Environmental Protection Authority.
8. Prior to the commissioning of the new bitterns pond, the proponent shall prepare and subsequently implement a bitterns discharge and monitoring plan such that there would be no significant adverse impact upon the mangrove ecosystems, as part of the Environmental Management Programme, to the satisfaction of the Minister for the Environment on the advice of the Environmental Protection Authority.
9. The proponent shall revise the bitterns discharge and monitoring plan if significant adverse impacts upon the mangrove ecosystems are detected, to the satisfaction of the Minister for the Environment on the advice of the Environmental Protection Authority.
10. Prior to the commencement of construction, the proponent shall prepare and subsequently implement a rehabilitation plan for any disturbed areas, such as borrow pits, quarries, and access tracks, as part of the Environmental Management Programme, to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority.
11. Prior to the flooding of the ponds, the proponent shall conduct a faunal survey of areas which would be isolated by the construction of the ponds and shall prepare and subsequently implement a plan, as part of the Environmental Management Programme, for the relocation of any populations of vertebrate fauna which are identified as sensitive by the Department of Conservation and Land Management and would be isolated on islands by the construction of the new ponds, to the satisfaction of the Minister for the Environment on advice of the Environmental Protection Authority and the Department of Conservation and Land Management.
12. The proponent shall be responsible for decommissioning and removal of the plant and installations and rehabilitating the site and its environs to the satisfaction of the Environmental Protection Authority. At least six months prior to cessation of operations, the proponent shall prepare and subsequently implement a decommissioning and rehabilitation plan to the satisfaction of the Environmental Protection Authority upon advice from the Department of Mines. Should the project be placed on a care and maintenance basis, the proponent shall prepare and subsequently implement a plan for the short-term, care and maintenance of the project area at least three months prior to the suspension of operations to the satisfaction of the Environmental Protection Authority on advice from the Department of Mines.
13. No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.

14. If the proponent has not substantially commenced the project within five years of the date of this statement, then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment shall determine any question as to whether the project has been substantially commenced. Any application to extend the period of five years referred to in this condition shall be made before the expiration of that period, to the Minister for the Environment by way of a request for a change in the condition under Section 46 of the Environmental Protection Act. On expiration of the five year period, further consideration of the proposal can only occur following a new referral to the Environmental Protection Authority.

Bob Pearce, MLA
MINISTER FOR THE ENVIRONMENT

21 JUN 1991

Management commitments

1. Leslie Salt proposes to minimise the effect of the proposed development on the existing environment by the implementation of a management programme and to design and implement a monitoring programme.
2. Protection of Aboriginal Sites
The proponent endorses the recommendations of Appendix 3 of the Consultative Environmental Review and will ensure that the significant Aboriginal sites identified within the proposed pond area are left undisturbed. Temporary barriers will be erected around Aboriginal sites of significance.
3. Rehabilitation of Borrow Pits
During excavation of borrow pits, the top soil will be stripped and stockpiled. Pits would be left with a 3:1 batter (slope) and top soil will be replaced.
4. Erosion Control Measures for the Stormwater Drain
Stormwater drains will be covered with topsoil to encourage revegetation and reduce erosion.
5. Workforce Management
Workforce education and induction at both the contractor and operator level will establish a philosophy of environmental care, preservation and restoration as being an essential and integral part of the project.
6. Trucking Movements
Should it become necessary, the proponent proposes to reduce trucking movements during peak traffic hours.
7. In consultation with the Royal Australasian Ornithologists Union, the proponent will implement design features and management practices aimed at encouraging shorebird usage of the pond system and maintaining habitats used by shorebirds.
8. The proponent will comply with guidelines of the Department of Occupational Health, Safety and Welfare concerning dust levels for employees involved in construction works. During construction, dust levels adjacent to sensitive areas (eg mangroves) will be minimised by the watering of construction roads and levee tops.

Monitoring commitments

1. Bitterns Discharge
A biological monitoring programme will be established at the bitterns discharge site to provide confirmation that adjacent mangrove assemblages are not adversely affected by the discharge.
2. Aerial Photography
Low level photography (1:5000) of Catfish Creek, Rock Cod Hole Creek, clay borrow pits and the bitterns discharge areas will be conducted to facilitate the mapping of changes to creek drainage and vegetation patterns.
3. Inspection of Borrow Pits
A site inspection will be made on an annual basis to monitor the revegetation of borrow pits.
4. Biological Productivity of Ponds 0 and 1
A fish and benthic fauna survey will be conducted three years after construction of Pond 0.
5. Shorebird Monitoring Programme
A monitoring programme will be designed in consultation with the Royal Australasian Ornithologists Union to examine shorebird usage of the pond system and the impact of Pond 0 on current shorebird usage of the area.

Reporting

1. An annual report outlining the effectiveness of the management plan and the results of the monitoring programme will be prepared and forwarded to the Environmental Protection Authority, the Department of State Development and the Department of Mines.

Decommissioning procedure

1. The company confirms a commitment to notify the relevant regulatory authorities at the earliest possible date if it intends to cease operations.

Attachment 1 to Ministerial Statement 147
Change to Proposal under section 45C of the
Environmental Protection Act 1986



MINISTER FOR THE ENVIRONMENT

Mr Shaun Triner
Manager Quality
Dampier Salt Pty. Ltd
GPO Box 420
PORT HEDLAND WA 6721

Dear Mr Triner

**PROPOSED MODIFICATION TO PROPOSAL – DAMPIER SALT PORT
HEDLAND OPERATIONS (STATEMENT 147)**

Thank you for your letter of 14th May 2004 regarding the plan to change the use of two bitterns storage ponds to salt production at the Dampier Salt Port Hedland Operation. Under Section 45C of the *Environmental Protection Act 1986* I am able to approve changes to a proposal, without a revised proposal being submitted to the Environmental Protection Authority (EPA), when it is considered that the changes will not have a significant adverse environmental impact.

On the advice of the EPA I understand that this change will result in an increased ability to produce an additional 200,00 tonnes of salt per year, with an increase in bitterns discharge volume of approximately 10%, and that the total bitterns volume released will be approximately 4,200,000 megalitres per annum. The key proposal outlined in EPA Bulletin 506 allowed for a discharge of up to 4,249,900 megalitres per year, provided that monitoring of the bitterns discharge is carried out. I understand that this monitoring has been carried out on a regular basis and will continue following the implementation of the proposed change.

I have concluded that the requested changes are unlikely to result in additional significant adverse impacts on the environment. Approval is therefore granted under Section 45C of the *Environmental Protection Act 1986* for the requested changes.

Yours sincerely

[Signed 27 October 2004]

Dr. Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT

Attachment 2 to Ministerial Statement 147

Change to Proposal under section 45C of the
Environmental Protection Act 1986

Attachment to Statement 147 – Change to Description of Proposal.

Proposal: Dampier Salt, Port Hedland

Proponent: Dampier Salt Limited

Change: to description of proposal in Consultative Environmental Review, July 1990 and approved on 27 October 2004, under section 45C, for the production rate of salt to 3.2 Million tonnes per annum.

From:

Element	Quantities/Description
Salt production	3.2 million tonnes per annum
Source of salt	Crystalliser ponds
Truck movements	31 cycles per truck per day to deliver 3.2Mtpa to port

To:

Element	Quantities/Description
Salt production	Approximately 4.5 million tonnes per annum for approximately 2 years from the start of mining
Source of salt	Pickle pond 9
Truck movements	40 cycles per truck per day to deliver 4.5Mtpa; expected increase in truck movements for the 2 years is 17.5% to deliver 4.2Mtpa.

Approval Date: 13 JULY, 2005

Attachment 3 to Ministerial Statement 147

Change to proposal under s45C of the *Environmental Protection Act 1986*

Proposal: Port Hedland Salt Operations

Proponent: Dampier Salt Limited

Change: Changes to Table 1, Schedule 1 - Key Characteristics Table

Key Characteristics Table: Table 1, Schedule 1 is deleted and replaced with a revised Table 1.

Table 1 - Key Characteristics Table

Element	Description of proposal	Description of approved change to proposal
Salt production	3.2 million tonnes per annum	3.2 million tonnes per annum
Source of salt	Crystalliser ponds	Removed to reduce limitations on the proposal
Truck movements	31 cycles per truck per day to deliver 3.2 million tonnes per annum	Removed as not environmentally relevant
Bitterns discharge	4.25 million cubic metres per annum	6.4 million cubic metres per annum.

[Signed 10 December 2013]

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

Attachment 4 to Ministerial Statement 147

Change to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Attachment 3 to Ministerial Statement 147

Proposal: Port Hedland Salt Operations

Proponent: Dampier Salt Limited

Changes:

- Change to Bitterns Discharge Volume

Table 1: Summary of the Proposal

Proposal Title	Port Hedland Salt Operations
Short Description	Port Hedland Salt Operations (formally known as Leslie Salt Project) - Expansion of Ponds, Port Hedland

Table 2: Location and authorised extent of physical and operational elements

Element	Previously Authorised Extent	Authorised Extent
Salt Production	3.2 million tonnes per annum	3.2 million tonnes per annum
Bitterns Discharge	6.4 million cubic metres per annum	10 million cubic metres per annum

Note: Text in **bold** in Table 2 indicates a change to the proposal.

[Signed 23 April 2018]

Robert Harvey
DEPUTY CHAIRMAN
Environmental Protection Authority
under delegated authority

Attachment 5 to Ministerial Statement 147

Amendment to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Attachments 1, 2, 3 and 4 of Ministerial Statement 147

Proposal: Port Hedland Salt Operations

Proponent: Dampier Salt Limited

Changes:

- Amendment to Proposal: Removal of the 3.2 million tonnes per annum solar salt production limit from Attachment 4 of MS 147.
- Amendment to correct typographic error.

Table 1: Summary of the proposal

Proposal title	Port Hedland Salt Operations
Short description	Port Hedland Salt Operations (formerly known as Leslie Salt Project) – Expansion of Ponds, Port Hedland

Table 2: Location and authorised extent of physical and operational elements

Element	Previously authorised extent	Authorised extent
Salt Production	3.2 million tonnes per annum	Removed as it will be regulated under the License required by Part V of the <i>Environmental Protection Act 1986</i>.
Bitterns Discharge	10 million cubic metres per annum	10 million cubic metres per annum

Note: Text in **bold** in Table 2 indicates a change to the proposal.

[Signed 21 December 2022]

Prof Matthew Tonts

CHAIR

Environmental Protection Authority
under delegated authority