
APPENDIX B

AGENCY CONSULTATION

Your Reference :
Our Reference : 281750A2/WOF11055/PW
Contact : Paul Weame, (02) 4224 4100

Sinclair Knight Merz
(Attention: Ingrid Ibas)
PO Box 164
St LEONARDS NSW 1590



Dear Madam

**PREPARATION OF A REVIEW OF ENVIRONMENTAL FACTORS FOR THE PROPOSED
DEVELOPMENT OF A WESTERN BASIN BERTH, PORT KEMBLA INNER HARBOUR**

We are writing in reply to your request dated 1 April 2004 requesting advice on Department of Environment and Conservation issues that need to be addressed for the preparation of a Review of Environmental Factors (REF) for the proposed development of a western basin at the Port Kembla Inner Harbour.

Please find attached our comments (Attachment A) for your consideration in the development of an REF.

If you have any further queries or comments, please contact the above officer at this office.

Yours sincerely

Trevor Jones 19/4/04

TREVOR JONES
Regional Manager South Coast
Environment Protection and Regulation Division
Department of Environment and Conservation

Att:

(NVOA/DG requirements/WOF11055 Western Basin, Inner Harbour Port Kembla)

The EPA is part of the Department of Environment and Conservation

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ATTACHMENT A

PREPARATION OF A REVIEW OF ENVIRONMENTAL FACTORS FOR THE PROPOSED WESTERN BASIN BERTH, INNER HARBOUR, PORT KEMBLA

The Department of Environment and Conservation (DEC) requests that the following issues be addressed in the Review of Environmental Factors (REF) for the proposed western basin development at Port Kembla Harbour.

1. Preamble

From the information submitted to the DEC, the DEC understands the project primarily involves the redevelopment of the western area of the Multi Purpose Berth into a functioning Berth. It the main components of the development are:

1. Dredging of approximately 398,000 m³ of sediment;
2. Foreshore stabilisation works consisting of a new revetment;
3. Wharf construction involving an extension to the existing berth; and
4. Stock yard pavement works.

The Port Kembla Port Corporation (PKPC) currently hold an Environment Protection Licence (EPL) for the Port Kembla Multi- Purpose Berth. The activity covered by this EPL (No 3579) relates to bulk cargo handling. As the proposed development will involve dredging of the berth area with the estimated removal of greater than 30,000 m³ of material, if the development is approved the contractor will be required to apply for an EPL to undertake the construction works. On completion of the works PKPC will need to apply for an EPL variation for the operation of the Berth. For your information Schedule 1 of the Protection of the Environment Operations (POEO) Act 1997 states that an EPL is required for:

"Dredging works being works in which materials of more than 30,000 cubic metres per year are obtained from the bed, banks or foreshores of any waters."

The submitted information indicates that the development is being assessed under Part 5 of the Environmental Planning and Assessment (EP&A) Act 1979 with the nominated determining authority being NSW Waterways Authority. As the proposal will involve licensing by DEC, for the purpose of Part 5 of the EP&A Act the DEC is also a determining authority.

2. WATER ISSUES

2.1 Dredging

The history of Port Kembla Harbour is one of industrial activity, so there is a potential for the Harbour to be contaminated with unknown levels of pollutants. To assess the levels of pollutants in the sediments we recommend the development of a sampling and analysis program for inclusion in the REF. Environment Australia *National Ocean Disposal Guidelines for Dredged Material*, May 2002 provide adequate guidance on sediment sampling of the dredging and disposal sites. We have also attached an extract from the EPA Victorian Best Practice Environmental Management *Guidelines for Dredging* October 2001 (See Attachment B) for your consideration. We also recommend that the proponent consult with the DEC on a sampling and testing program for the sediments.

While Port Kembla Harbour is a highly disturbed ecosystem there have been significant improvements in water quality, therefore the appropriate best practice measures for dredging activities should be adopted and described in the REF for the proposed development.

Details would need to be provided on the dredging technique. Any dredging would require the installation of silt curtains around the proposed dredging site to minimise the migration of polluted water to adjacent areas. The silt curtain would also be required to be designed, installed and maintained to minimise the egress of sediment and pollutants beyond the silt curtain, including

under the lower edge. Details on the design of the silt curtains including its associated management would need to be provided in the REF.

The following information would also need to be included in the REF:

- 2.1.1 Clarification of the expected quantity of material to be dredged from the site.
- 2.1.2 Pollution controls during the dredging of the site.
- 2.1.3 Any likely impacts on the surrounding aquatic environment, including impacts to flora and fauna associated with the dredging of the site. (Note: Appropriate buffer distances around any sensitive areas must be maintained).
- 2.1.4 Amelioration and/or emplacement/management techniques proposed to deal with any acid sulfate soils encountered.
- 2.1.5 Pollution controls associated with emplacement/management of the dredge material.
- 2.1.6 Any expected marine impacts associated with the emplacement/management of dredge spoil.
- 2.1.7 The proposed water quality monitoring to measure the performance of the controls.

Emplacement/management of dredge spoil

The submitted information indicates that the dredged material would be transported off shore for disposal. If an approval is forth coming from Environment Australia for ocean emplacement the REF should detail the assessment process and any conditions of approval. In addition the documentation should detail the measures which will be implemented by the proponent to ensure compliance with the conditions. DEC considers that the approval should first be obtained from Environment Australia prior to submitting the REF for assessment as the management of this material would be a critical component of the development.

If the approval is not granted the REF must then detail alternative methods of managing the dredge spoil to minimise environmental impact. If this alternative option involves land disposal, the dredge spoil material must be assessed and managed in accordance with the NSW EPA *Environmental Guidelines: Assessment, Classification & Management of Liquid & Non-liquid Wastes* (The Waste Guidelines, May 1999) where appropriate and emplaced into an approved licensed facility.

2.2 Water Management at the Berth Site - Construction and Operation:

The facility must be designed, constructed, operated and maintained so that:

- All polluted water (including wash down waters and polluted stormwater) is captured on the site and directed to reticulated sewer where available or else collected, treated and beneficially reused, where this is consistent with environmental and health guidelines and complies with Section 120 of the Protection of the Environment Operations Act 1997;
- Bundling is in accordance with the EPA technical guidelines *"Bundling and Spill Management"* and designed for no-discharge.

The REF should include a comprehensive water pollution control program covering construction and post construction phases. The REF should also include information concerning the following:

- 2.2.1 Details are required on the surface and groundwater hydrological catchments including the existing water environment.
- 2.2.2 Description of any potential sources of pollution and assessment of the pollutant characteristics. (Note: The assessment should consider the implications of any contaminated groundwater and its management as a result of any past land use activities).
- 2.2.3 An integrated water management program should be developed for the site, which addresses all aspects of the water cycle. The aim of the plan should be to maximise the potential for reuse and minimise water demand and the risk of water pollution.
- 2.2.1 Details on soil and water management for the site during the construction phase of the development in accordance with the following two guidelines: *"Managing Urban Stormwater Soils and Construction"* and *"Managing Urban Stormwater Treatment Techniques"*.
- 2.2.2 Details on stormwater management during the operational phase of the development including separate controls for defined dirty and clean areas of the site and details on the

performance of the existing storm water management system; (Note: If a first flush system is proposed the system must be designed, at a minimum, to capture 10mm of rainfall per square metre of catchment area over a 24 hour period)

- 2.2.3 As assessment of the adequacy of the design and management measures to minimise impacts, including those to prevent and control any discharges from the premises.
- 2.2.4 The implications of the proposed development on existing EPL requirements.
- 2.2.5 Details of any equipment maintenance areas, including washdown facilities, oil and water separation.
- 2.2.6 Details on the use of any chemicals or fuels on site and their storage.

Slag

If slag is to be used the quantity and quality of slag must be included in the REF. This should also include details on a Quality Assurance/Quality Control program. In addition the characteristics of the slag, its suitability for use as fill and potential environmental impacts on water quality should be addressed in the REF.

3. NOISE

The upgraded facility must be designed, constructed, operated and maintained so that the facility:

- Does not cause intrusive noise at the nearest affected premises.
- Does not compromise local planning noise amenity goals.

The DEC considers that the following Noise Policies and Guidelines should form the basis for noise assessment and management for this development:

- Environmental Noise Management Series: *NSW Industrial Noise Policy, January 2000.*
- Environmental Noise Management Series: *Environmental Criteria for Road Traffic Noise, May 1999.*
- Chapter 17: Noise Control Guideline, *Construction Site Noise, Environmental Noise Control Manual, 1994.*

The REF should include all aspects of ambient noise monitoring, assessment of noise impacts from construction and operational phases, and proposed mitigation measures for the proposed development and must demonstrate how the above outcomes will be achieved.

4. AIR

The development must be designed, constructed, operated and maintained so that the following environmental outcomes are achieved:

- There is no offensive odour beyond the boundary of the premises.
- Visible dust emissions are minimised.

The DEC considers that the following policies and guidelines need to be considered when taking into account air quality issues on site:

- NSW EPA, 2001, *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW.*

The assessment should consider all phases and ancillary activities and identify all activities likely to generate air impacts or have the potential to cause harmful effects on the environment including health and amenity, and all related environmental issues and identify those measures that will ameliorate those impacts.

A potential odour generating activity may be the dredging activity. Understanding the potential for the sediment to generate odour should be undertaken as part of the sediment sampling and

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analysis program. This could then form the basis of the odour assessment and assist in identifying appropriate odour mitigation management strategies if required.

The REF should also include an assessment of potential sources of dust during the construction and operation of the development and identification of measures to be implemented to meet the above environmental outcome.

ATTACHMENT B

EXTRACTS FROM EPA VICTORIA BEST PRACTICE ENVIRONMENTAL MANAGEMENT 'GUIDELINES FOR DREDGING' (OCTOBER 2001)

Stage 1 – Review of Existing Information and Preliminary Documentation of Sediment Contamination

- (a) Review data from previous studies.
- (b) Compile a synopsis of dredging-site history, including:
 - Knowledge of past contamination and distribution and concentration of contaminants.
 - Assessment of homogeneity of sediments.
- (c) Identification of the contaminants of concern by reference to the site history.

Stage 2 – Data Generation

Sampling and Analysis Program

A sampling and analysis program should be prepared. The level of detail included in the program should match the scale of the dredging and the expected level of contamination. The program builds on the information obtained from Stage 1 and should include the following key elements.

- (a) An outline of the dredging proposal, including the area(s) to be dredged, the depth(s) of dredging, the type(s) of sediment involved and the final amount of material (in cubic metres) that will require emplacement/management.
- (b) Map(s) showing the dredge and emplacement/management area(s) and the proposed sampling locations, including the proposed length of cores and the depth intervals to be sub-sampled from cores.
- (c) The contaminants to be measured and the sampling sites selected will depend on the previous history of the area, consideration of environmental factors (for example, currents) that may have affected the distribution of contaminants.

Sampling

Samples should be representative of vertical and horizontal variation and variability in the properties of the materials to be dredged.

Number of samples or cores required

The appropriate number of sampling sites depends on the variability of sediments and their pollutant content. Sediments from areas with a uniform geomorphology and distant from point sources of pollution require fewer samples than near-shore sediments with complex geomorphology and close to point sources of pollution. If initial tests indicate that contamination may be a concern, further samples may be required.

The area to be dredged may be divided into segments that are representative of that area. The size of segments depends on a number of factors, such as the expected distribution of contaminants. Contamination, may for example, be greater in fine-grained sediments that accumulate in turning basins or inside channel berds and may change with depth. The sampling design will be affected by the depth of cut of the dredge, sampling limitations and the results of pilot studies for large dredging projects. Sampling locations should be randomly distributed within each segment.

Sediment samples must be taken so that they are as representative as possible of the sediment that will be removed by the proposed dredging. For example, if sediment consists of several strata, a sample should be taken from each major stratum.

A stratified random sampling procedure which is referred to in Appendix 3 of the Victoria EPA Best Practice Environmental Management Guidelines for Dredging (October 2001), may be a useful reference tool when preparing a maintenance dredge sampling procedure.



NSW Fisheries

5 April 2004

Your Ref: ENQ1590.300

Our Ref: Port Kembla inner harbour developments

Ingrid Elias
SKM
PO Box 164
ST LEONARDS NSW 1590

Dear Ingrid,

Proposed Development of a Western Berth, Inner Harbour, Port Kembla

Thankyou for your letter dated 1 April 2004 outlining the proposal.

There are several issues of concern that NSW Fisheries would expect to see addressed by the REF. These are:

1. A clear and detailed statement of the nature, extent and timing of the works to be carried out including both dredging and disposal. This would include information on machinery to be used and environmental impact mitigation measures to be adopted including water quality monitoring.
2. The quality of the material to be dredged both in terms of its physical and chemical properties and an assessment as to whether it poses any sort of risk to the environment where it will be disposed.
3. The exact location of the disposal area. If this is in NSW waters, we would expect information relating to depth and bathymetry, the nature and value of marine habitats within and adjacent to the area, and the "fish" communities inhabiting the area (taking fish to mean finfish and invertebrates including crustaceans, molluscs etc) with particular reference to species listed as threatened under the provisions of the Fisheries Management Act (FMA) and the Environment Protection and Biodiversity Conservation Act (EPBC).
4. Commercial and recreational fishing use of the disposal area and potential impacts upon these user groups.
5. The nature, quality and value of aquatic habitats within and adjacent to the area to be dredged including information relating to marine vegetation (seagrasses and marine macro-algae) in the area which may be impacted, fish communities and any threatened fish species (as listed by the Fisheries Management Act).

Also please note:

1. If there is any marine vegetation within the impacted areas (within NSW waters) then the proponents will need to obtain a Marine Vegetation Permit under S205 of the Fisheries Management Act.
2. As the proposal will be determined and approved by the Waterways Authority, there will not be a requirement for PKFC to obtain a Dredging Permit under the FMA. However, the Waterways Authority will need to notify NSW Fisheries of their intention to issue an approval for dredging and take in to account any matters that we raise. The initial notification can be achieved by referral of the REF to NSW Fisheries.

SHOALHAVEN FISHERIES OFFICE

64 North Street - PO Box 455 NOWRA NSW 2541

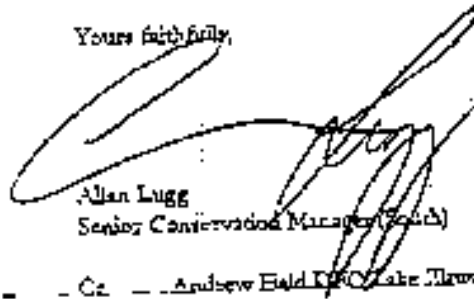
Telephone: (03) 4423 2200 Facsimile: (02) 4423 2007

456 56 257 067 871

April 8, 2004

3. Disposal of spoil to offshore waters could potentially impact upon three commercial fisheries managed by NSW Fisheries: Offshore Trawl, Trap and Line and Lobster. You should contact the following Fisheries Managers with respect to potential impacts and consultation with fishers.
- | | | |
|----------------|-----------------|----------|
| Offshore Trawl | Darren Hale | 66451521 |
| Trap and Line | Sonya Erington | 95278541 |
| Lobster | Fiona McCrimmon | 95278556 |

Yours faithfully,



Alan Lugg
Senior Conservation Manager (South)

Cc: Andrew Field DFO Lake Macquarie

19 April 2004

Your Ref: ENO1692

Our Ref: Port Kembla Inner harbour Developments

Fisheries

Jonas Bell
Project Manager
SKM
PO Box 164
ST LEONARDS 1590

Dear Jonas,

Proposed Upgrade of Eastern Basin Berth No 4 Inner Harbour Port Kembla

Thankyou for your letter regarding the above

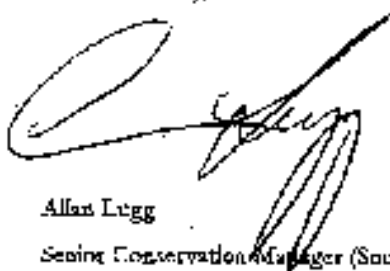
I recently wrote to Ingrid Elias of your company regarding a similar proposal relating to the Western Berth. I have attached a copy of that letter as I believe the issues relating to the dredging are essentially the same. The issues relating to the on-land components are outlined in the two previous letters relating to the Multi-Purpose Berth and General Cargo Handling Facility of which you are aware.

An additional issue which is worthy of consideration and has only recently been raised relates to the risks posed by disposal of spoil at sea. It is known that there are several introduced plant and animal species within Port Kembla harbour (see D A Folland and R L Pathebridge Report on Port Kembla Introduced Marine Pest Species Survey, NSW Fisheries Final Report Series No 41 December 2002). Disposal of spoil sourced from Port Kembla harbour in offshore waters may pose a risk of spreading some of these organisms to areas where they do not currently occur. The EIS should include an assessment of the risk and if necessary outline the options for minimising the risk.

Also please note that I am the appropriate contact for matters relating to Port Kembla.

If you have any queries please feel free to call me on 44413969 or 0409912686

Yours faithfully,



Allan Lugg
Senior Conservation Manager (South)

cc Andrew Field DFO Lake Macquarie

SHOALHAVEN FISHERIES OFFICE

1st Floor, 50 Owen Street Huskisson
PO Box 97 HUSKISSON NSW 2540
Telephone: (02) 4441 8968 * Facsimile: (02) 4441 8961



Our Ref: 497.53/4 Pt 17

Your Ref: ENO/390.300

Naomi Ziegler - (02) 4221 2409

Ingrid Ilias
Sinclair Knight Merz
PO Box 164
ST LEONARDS NSW 1590

Attention: Ingrid Ilias

PROPOSED DEVELOPMENT, WESTERN BASIN BERTH, PORT KEMBLA

Dear Ms Ilias,

I refer to your letter facsimile dated 5 April 2004 regarding the proposed development of the Western Basin Berth at Port Kembla. The following issues should be given consideration during the preparation of the Review of Environmental Factors (REF) for the Berth extension:

- Identify vehicle movements expected during construction (particularly heavy vehicles) & operation, as well as the proposed vehicle routes. For instance, vehicles involved in transporting the dredged material from the Western Basin to the area south of No. 6 jetty, could possibly utilise internal roads in the Port Kembla Steelworks precinct.
- The expected traffic generation from the increased port capacity on the road network.
- Details of any road safety and network efficiency issues relating to the proposed development should also be included.

Yours faithfully

A handwritten signature in dark ink, appearing to read 'Graham Brisbane', written over a horizontal line.

Graham Brisbane
Development Manager



Waterways

Our Reference: WD1/00565
 Contact Officer: Maryanne Campanelli
 Telephone: 9364 2017
 Facsimile: 9364 2444

MARITIME PROPERTY & ASSETS DIVISION
 WATERWAYS AUTHORITY
 A&N 21 223 712 305
 Level 11, Maritime Trade Towers
 207 Kent Street
 Sydney NSW 2000
 PO Box R228
 Royal Exchange Sydney NSW 1223
 Telephone (02) 9364 2111
 Facsimile (02) 9364 2444

27 April, 2004

Ms Ingrid Ilias
 Project Manager
 Sinclair Knight Merz
 PO Box 164
 St Leonards NSW 1590

Dear Ms Ilias

PORT KEMBLA PORT CORPORATION — PROPOSED UPGRADE OF WESTERN BASIN BERTH, INNER HARBOUR, PORT KEMBLA

Thank you for your letter of 30th of March, 2004 seeking the Waterways Authority's issues in relation to the preparation of a review of environmental factors (REF) for the above project. I apologise for the delay but hope the Authority's issues can be addressed in a REF prior to its finalisation.

The approval of the Waterways Authority is required for the proposed works as the Authority is the owner of the bed of Port Kembla Harbour. Accordingly, it is confirmed that provided development consent is not required for the proposed works, the Authority would be a determining authority for the purposes of Part 5 of the *Environmental Planning and Assessment Act 1979 (EP&A Act)*.

Part 5 of the EP&A Act precludes the Authority from approving the proposed works without first considering to the fullest extent possible all matters affecting or likely to affect the environment.

At this time, the Authority considers the preparation of a REF for the proposed works is appropriate. The decision as to whether an EIS is required will follow the Authority's consideration of the information presented in the REF. The Authority has the following requirements for the preparation of the REF:

- * The REF shall be prepared consistent with clause 226 of the EP&A Regulation 1994 and in particular, the PlanningNSW (now Department of Infrastructure, Planning and Natural Resources) document titled *Is an EIS required? Best Practice Guidelines for Part 5 of the EP&A Act*.
- * It is also recommended that the PlanningNSW *EIS guideline for Extractive Industries, Dredging and Other Extraction in Riparian and Coastal Areas* be considered during the preparation of the REF.

The following information should be covered in an REF for the proposed works:

1. The relevant statutory planning framework applying to the site.
2. Strategic context for the proposed works for Port Kembla and justification for the proposed extension in terms of current and future requirements.
3. Details of the size of vessels anticipated including overall length (metres), beam (metres), Gross Registered Tonnes (GRT) and Deadweight Tonnes (DWT). Such details should include the maximum size vessel as well as the range of vessels.
4. A full description of works proposed including, dredging, and works on adjacent foreshore land.
5. Details of proposed dredging should include:
 - (a) Purpose of the proposed dredging including details of the likely maximum number and types of berths,
 - (b) Proposed extent and depth of dredging and existing depth of water,
 - (c) Quantity of material to be dredged,
 - (d) Type of material to be dredged including the extent of soil sampling on which the analysis is based,
 - (e) Likelihood of disturbing contaminated sediments and acid sulphate potential,
 - (f) Proposed method of dredging and proposed method of spoil removal and spoil disposal including equipment, size and location of any pipelines, and any dewatering operations,
 - (g) A list of alternative options for the disposal of dredge spoil, and
 - (h) Any likely interference with existing port uses.
6. That sediment sampling is carried out in accordance with the EPA *Guidelines for Consultants Reporting on Contaminated Sites*, November 1997 and the *National Ocean Disposal Guidelines for Dredged Material*, May 2002
7. Plans and other drawings showing:
 - (a) The location, extent and depth of the proposed dredging (all depths should be to Fort Denison Datum),
 - (b) The location of the toe and top of all battered or retained banks together with an average slope and extent of those banks,
 - (c) Current depth contours and proposed depth contours of the areas to be affected,
 - (d) Details of the proposed disposal areas, including current and proposed contours, proposed containment and dewatering structures as well as any temporary works,
 - (e) Likely berth locations and wharf structures adjacent to the dredged area, and
 - (f) Locations of marine and terrestrial vegetation, aquatic and animal habitats etc. likely to be affected (directly or indirectly) by the proposed works during construction and operation.

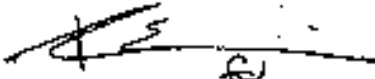
8. An assessment of the potential effects on coastal processes/ hydrodynamics within Port Kembla Harbour.
9. Consideration of any potential effects on the surrounding area such as structural damage, vibration, noise, etc. arising from the proposed dredging.
10. A framework for an Environmental Management Plan for the activity including:
 - (a) Staging of the proposal, site management and sediment and erosion control measures,
 - (b) Location, type and scale of associated works such as temporary structures, stockpiles, access roads and related activities. Outline the proposed treatment of these sites,
 - (c) Measures for the mitigation of potential adverse impacts on the environment during and post construction, and
 - (d) Contingency plans and emergency response plans.
11. Identify any proposed monitoring and maintenance programme for the dredged channel, bank stability etc during and post construction and short- and long-term.

It should be noted that the proposed works may also require the approval of the Department of Environment and Conservation (the former NSW Environment Protection Authority) and NSW Fisheries under their respective legislation. This should be checked with each agency separately.

Once finalised, the REF should be forwarded to the Authority's Property Development Co-ordinator, Mr Geoff Smith, with a completed application form 9form attached) and appropriate fee.

Should you have any queries about the above please call Maryanne Campanelli on 9364 2017.

Yours sincerely,



Zenon Michniewicz
General Manager



6 April 2004

Your Ref: ENO1390 300

Our Ref: Port Kembla inner harbour developments

NSW Fisheries

Ingrid Elias
SICM
PO Box 164
ST LEONARDS NSW 1590

Dear Ingrid,

Proposed Development of a Western Berth, Inner Harbour, Port Kembla

Thankyou for your letter dated 1 April 2004 outlining the proposal

There are several issues of concern that NSW Fisheries would expect to see addressed by the RFP. These are:

1. A clear and detailed statement of the nature, extent and timing of the works to be carried out including both dredging and disposal. This would include information on machinery to be used and environmental impact amelioration measures to be adopted including water quality monitoring.
2. The quality of the material to be dredged both in terms of its physical and chemical properties and an assessment as to whether it poses any sort of risk to the environment where it will be disposed.
3. The exact location of the disposal area. If this is in NSW waters, we would expect information relating to depth and bathymetry, the nature and value of marine habitats within and adjacent to the area, and the "fish" communities inhabiting the area (taking fish to mean finfish and invertebrates including crustaceans, molluscs etc) with particular reference to species listed as threatened under the provisions of the Fisheries Management Act (FMA) and the Environment Protection and Biodiversity Conservation Act (EPBC).
4. Commercial and recreational fishing use of the disposal area and potential impacts upon those user groups.
5. The nature, quality and value of aquatic habitats within and adjacent to the area to be dredged including information relating to marine vegetation (seagrasses and marine macro-algae) in the area which may be impacted, fish communities and any threatened fish species (as listed by the Fisheries Management Act).

Also please note:

1. If there is any marine vegetation within the impacted areas (within NSW waters) then the proponents will need to obtain a Marine Vegetation Permit under S205 of the Fisheries Management Act.
2. As the proposal will be determined and approved by the Waterways Authority, there will not be a requirement for PKPC to obtain a Dredging Permit under the FMA. However, the Waterways Authority will need to notify NSW Fisheries of their intention to issue an approval for dredging and take in to account any matters that we raise. The initial notification can be achieved by referral of the RFP to NSW Fisheries.

SHOALHAVEN FISHERIES OFFICE

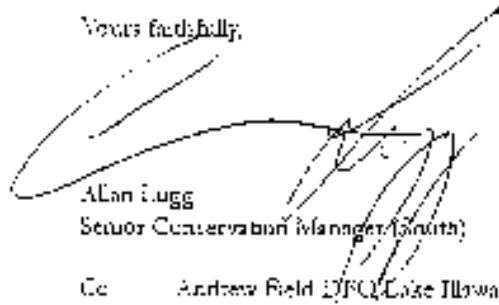
64 North Street - PO Box 456 NOWRA NSW 2541

Telephone: (02) 4423 2200 Facsimile: (02) 4423 2007

ASN Sn 267 947 571

- 3 Disposal of spoil to offshore waters could potentially impact upon three commercial fisheries managed by NSW Fisheries: Offshore Trawl, Trap and Line and Lobster. You should contact the following Fisheries Managers with respect to potential impacts and consultation with fishers:
- | | | |
|----------------|-----------------|----------|
| Offshore Trawl | Darren Hale | 66451321 |
| Trap and Line | Sanya Errington | 95278553 |
| Lobster | Emma McKinnon | 95278556 |

Yours faithfully,



ALan Lugg
Senior Conservation Manager (North)

Cc: Andrew Field DFO, Lake Illawarra

