

Ass # 1063

Bull # 860

State # 460



MINISTER FOR THE ENVIRONMENT,
EMPLOYMENT AND TRAINING

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

**MID-WEST IRON AND STEEL PROJECT - GERALDTON STEEL PLANT,
OAKAJEE, SHIRE OF CHAPMAN VALLEY (1063)**

AN FENG KINGSTREAM STEEL LIMITED

This proposal may be implemented subject to the following conditions:

1 Proponent Commitments

The proponent has made a number of environmental management commitments in order to protect the environment.

- 1-1 In implementing the proposal, the proponent shall fulfil the commitments made in the Consultative Environmental Review and subsequently during the environmental assessment process conducted by the Environmental Protection Authority, provided that the commitments are not inconsistent with the conditions or procedures contained in this statement.

In the event of any inconsistency, the conditions and procedures shall prevail to the extent of the inconsistency.

The attached environmental management commitments form the basis for consideration by the Chief Executive Officer of the Department of Environmental Protection for auditing of this proposal in conjunction with the conditions and procedures contained in this statement.

2 Implementation

Changes to the proposal which are not substantial may be carried out with the approval of the Minister for the Environment.

- 2-1 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.

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- 2-2 Where, in the course of the detailed implementation referred to in condition 2-1, the proponent seeks to change the designs, specifications, plans or other technical material submitted to the Environmental Protection Authority 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 Proponent

These conditions legally apply to the nominated proponent.

- 3-1 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.

4 Environmental Management System

The proponent should exercise care and diligence in accordance with best practice environmental management principles.

- 4-1 In order to manage the environmental impacts of the project, and to fulfil the requirements of the conditions and procedures in this statement, prior to commencement of construction, the proponent shall prepare environmental management system documentation with components such as those adopted in Australian Standards AS/NZS ISO 14000 series, in consultation with the Department of Environmental Protection.

- 4-2 The proponent shall implement the environmental management system referred to in condition 4-1.

5 Environmental Management Programme

- 5-1 Prior to commencement of construction, the proponent shall prepare an Environmental Management Programme to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

- 5-2 The proponent shall make the draft reports on modules of the Environmental Management Programme required by condition 5-1 available for a public review and submission period of four weeks.

- 5-3 The proponent shall incorporate the public comment and submissions on the modules of the Environmental Management Programme required by condition 5-1 into the Environmental Management Programme.

- 5-4 In the preparation of the Environmental Management Programme required by condition 5-1, the proponent shall address, but not be limited to the following:

Rare and priority flora and vegetation communities

- 1 prior to clearing any remnant vegetation, a plan for carrying out and reporting on a spring flora survey for rare and priority flora;
- 2 contingency measures, including those in the event that rare and priority flora are identified during the spring survey and that clearing is required, the proponent will seek approval for clearance under the *Wildlife Conservation Act 1950*;
- 3 the quality and coverage of remnant vegetation on the site in accordance with the Remnant Vegetation Policy as implemented under the *Soil and Land Conservation Act 1945*;

Noise

- 4 a monitoring and audit plan for noise emissions as a means of gauging the effectiveness of noise control measures and compliance with noise regulations;

Gaseous emissions (including greenhouse gases and odours)

- 5 a review of stack heights and their corresponding impact on the ground level concentrations of gaseous emissions;
- 6 a monitoring and audit plan for all gaseous and odorous emissions as a means of gauging the effectiveness of air pollution abatement measures and compliance with designated criteria;
- 7 calculation of the greenhouse gas emissions associated with the proposal (using the generally accepted methods);
- 8 indication of the measures adopted to limit greenhouse gas emissions for the project;
- 9 estimation of the greenhouse gas efficiency of this project (per unit of product and/or other agreed performance indicators) and comparison with the efficiencies of other comparable projects producing a similar product;
- 10 consideration of entry into the Commonwealth Government's "Greenhouse Challenge" voluntary co-operative agreement programme which includes:
 - (1) an inventory of emissions;
 - (2) opportunities for abating greenhouse gas emissions in the organisation;
 - (3) a greenhouse gas mitigation action plan;
 - (4) regular monitoring and reporting of performance; and
 - (5) independent performance verification;

Dust and particulate emissions

- 11 a monitoring and audit plan for all dust and particulate emissions (including fugitive dust) and the moisture content of all storage stock piles as a means of gauging the effectiveness of dust control measures and compliance with designated criteria;
- 12 a dust management plan to manage dust and particulate emissions (including fugitive dust) to an acceptable level during construction, operation and transport of materials;

Buffer

- 13 management strategies for atmospheric and noise emission impacts on residents in the Oakajee Industrial Estate buffer area, should LandCorp fail to secure properties within the designated buffer area;

Liquid and solid waste disposal

- 14 details of waste disposal approvals obtained from relevant government authorities for all solid and liquid wastes produced;

- 15 a waste management plan to manage wastes generated during construction and operation, including waste characteristics (together with a detailed description of waste characteristics including Toxicity Characteristic Leaching Procedure tests for solid wastes), consideration of opportunities for recycling, and details of how the conditions of the approvals referred to in 14 above will be implemented;

Protection of surface and groundwater

- 16 a monitoring and audit plan for groundwater quality at the plant perimeter as a means of gauging the effectiveness of stormwater and wastewater management measures and compliance with designated criteria;
- 17 a drainage management plan, including contingency measures for treatment as required to protect surface water and groundwater;
- 18 monitoring of the impact of leachates on the adjacent shallow marine environment;

Heritage

- 19 a heritage management strategy for the Geraldton Steel Plant site on advice of the Aboriginal Affairs Department, including, but not limited to:
- (1) detailed ethnographic and archaeological surveys;
 - (2) an evaluation of any sites proposed to be impacted, including consultation with Aboriginal custodians;
 - (3) a detailed assessment of the likely effects of the development on such sites, including ground disturbance, chemical and water emissions, and altered surface hydrology; and
 - (4) the presentation of proposals for avoiding or minimising impact to Aboriginal sites within and adjacent to the area;

Monitoring results

- 20 results of monitoring to be submitted annually to the Department of Environmental Protection for audit, and to be made publicly available; and

Performance audit

- 21 annual performance audit of the environmental objectives, and allowance for continuous improvement as new operational procedures and knowledge are developed.

- 5-5 The proponent shall implement the Environmental Management Programme referred to in conditions 5-1 to 5-4 inclusive.

6 Noise Limits

- 6-1 The proponent shall conduct operations so that noise emissions do not unreasonably impact on noise-sensitive premises.
- 6-2 The proponent shall ensure that noise emissions meet the requirements of noise control regulations applying from time to time under the Environmental Protection Act.
- 6-3 The proponent shall conduct noise surveys (including baseline measurements) and assessments (including the impact of tonal noise) in consultation with the Department of Environmental Protection.

7 Plant Noise

- 7-1 Following detailed design and prior to commencement of construction, the proponent shall provide sound power levels for the plant and details of the noise attenuation measures proposed to be employed in the plant to meet assigned levels, to the requirements of the Environmental Protection Authority.
- 7-2 The proponent shall provide a report to the Environmental Protection Authority outlining contingency plans and/or management strategies detailing how assigned noise levels will be met in the future at potential noise-sensitive premises outside the Oakajee Industrial Estate buffer area.
- 7-3 The proponent shall implement the contingency plans and/or management strategies referred to in condition 7-2.

8 Road and Rail Transportation Noise

- 8-1 With respect to road transportation noise, prior to construction, the proponent shall carry out further studies of the noise impacts associated with road transportation between the plant and the Port of Geraldton in order to identify residences where established criteria may be exceeded, and to determine appropriate ameliorative measures, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and Main Roads Western Australia.
- 8-2 With respect to rail transportation noise, prior to construction, the proponent shall carry out further studies of the noise impacts associated with rail transportation between the plant and mine sites to identify residences where established criteria may be exceeded, and to determine appropriate ameliorative measures, to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority and Westrail.
- 8-3 The proponent shall make the draft reports on the road transportation noise study required by condition 8-1 and the rail transportation noise study required by condition 8-2 available for a public review and submission period of four weeks.
- 8-4 The proponent shall incorporate the public comment and submissions referred to in condition 8-3 into the reports on the road transportation noise study required by condition 8-1 and the rail transportation noise study required by condition 8-2.
- 8-5 The proponent shall implement the ameliorative measures arising from the requirements of conditions 8-1 to 8-4 inclusive.

9 Incorporation of Low NO_x Technology for Power Generation

- 9-1 Prior to construction, the proponent shall design the power station gas turbines :
- 1 to meet the National Health and Medical Research Council guideline for NO_x emissions of 34 parts per million volume dry at 15% oxygen reference level as the upper limit for gas turbines greater than 10 MW, if incorporating dry low NO_x technology; or
 - 2 if using water injection technology, to meet the criterion of 42 parts per million volume dry at 15% oxygen reference level of NO_x.
- 9-2 The proponent shall construct the power station gas turbines according to the design required by condition 9-1 and to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority.

10 Public Health and Safety - Risk

10-1 Prior to the preparation of final plant engineering designs, as part of the site's overall risk assessment, the proponent shall undertake:

- 1 a qualitative risk assessment of the site to ensure compliance with the Department of Environmental Protection's individual risk criteria; and
- 2 a hazard and operability (HAZOP) study and hazardous zone analysis for all flammable and toxic gas systems for the direct reduced iron plant and storage area and the cryogenic oxygen unit;

to the requirements of the Environmental Protection Authority on advice of the Department of Minerals and Energy and the Department of Environmental Protection.

11 Road Transport

11-1 If road transportation is selected as the preferred mode of transport between the plant and the Port of Geraldton, prior to commencement of trucking operations, the proponent shall undertake a road transport study to identify appropriate road upgrades and safety measures to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority, Main Roads Western Australia and other relevant agencies.

11-2 The proponent shall make the draft report on the road transport study required by condition 11-1 available for a public review and submission period of four weeks.

11-3 The proponent shall incorporate the public comment and submissions referred to in condition 11-2 into the report on the road transport study required by condition 11-1.

12 Decommissioning

12-1 The proponent shall carry out the decommissioning of the project, removal of the plant and installations and rehabilitation of the site and its environs.

12-2 At least six months prior to decommissioning, the proponent shall prepare a decommissioning and rehabilitation plan to achieve the objectives of condition 12-1.

12-3 The proponent shall implement the plan required by condition 12-2.

13 Time Limit on Approval

The environmental approval for the substantial commencement of the proposal is limited.

13-1 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.

Where the proponent demonstrates to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority that the environmental parameters of the proposal have not changed significantly, then the Minister may grant an extension not exceeding five years.

14 Performance Review

The proponent should review their environmental performance to ensure that environmental management meets the environmental objectives and allows for continuous improvement.

- 14-1 Each six years following commencement of construction, the proponent shall carry out a performance review to evaluate environmental performance with respect to the environmental objectives, the performance indicators, and the environmental management system targets, to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection.

Note:

- 1 In the event that the timing requirements of this condition are not compatible with the timing requirements of the triennial reporting required under the State Agreement Act, then the timing requirements of the latter will prevail.
- 2 The Environmental Protection Authority may recommend actions to the Minister for the Environment following consideration of the performance review.

15 Compliance Auditing

To help determine environmental performance and compliance with the conditions, periodic reports on the implementation of the proposal are required.

- 15-1 The proponent shall submit periodic Performance and Compliance Reports, in accordance with an audit programme prepared by the Department of Environmental Protection in consultation with the proponent.

Procedure

- 1 Unless otherwise specified, the Department of Environmental Protection is responsible for assessing compliance with the conditions contained in this statement and for issuing formal clearance of conditions.
- 2 Where compliance with any condition is in dispute, the matter will be determined by the Minister for the Environment.

Note

- 1 The Environmental Protection Authority reported on the proposal in Environmental Protection Authority Bulletin 860 (June 1997).
- 2 The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act (1986).

CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

13 OCT 1997

Proponent's Environmental Management Commitments

June 1997

**MID-WEST IRON AND STEEL PROJECT -
GERALDTON STEEL PLANT,
OAKAJEE, SHIRE OF CHAPMAN VALLEY (1063)**

AN FENG KINGSTREAM STEEL LIMITED

Proponents Commitments

Construction and Operation

- 1 The proponent will ensure that the GSP is designed and constructed in accordance with the general descriptions provided in the CER. [Timing - prior to and during construction]
- 2 The proponent will ensure that the construction and operation of the GSP conforms with the environmental conditions and regulations as determined by the Minister for the Environment. [Timing - prior to construction and during the life of the project]
- 3 The proponent will appoint an Environmental Manager who will be responsible for environmental management of the construction and operation of the GSP. [Timing - prior to construction]

Community Liaison

- 4 The proponent will continue to liaise with local communities, local authorities, and government agencies to provide information about the MWIS Project and in order to promote benefits to the Mid West Region. [Timing - prior to construction and during the life of the project]

Atmospheric Emissions

- 5 The proponent will, prior to construction, develop and subsequently implement the Environmental Management Program which will ensure that all gaseous and odorous emissions and ground level concentrations are within established criteria. The Environmental Management Program will include, but not be restricted to:

- 1 the development of suitable monitoring programs, and
- 2 contingency plans should emissions exceed established criteria to reduce emission levels below those criteria.

The results of the monitoring programs will be reported to the DEP and will be available to the public. [Timing - prior to construction and during the life of the project)]

- 6 The proponent will, prior to construction, develop and subsequently implement an Environmental Management Program which will ensure that all dust and particulate emissions and ground level concentrations are within established criteria. The Environmental Management Program will include, but not be restricted to:

- 1 the development of suitable monitoring programs, and
- 2 contingency plans should emissions exceed established criteria to reduce emissions levels below those criteria.

The results of the monitoring programs will be reported to the DEP and will be available to the public. [Timing - prior to construction and during the life of the project]

- 7 The proponent will re-examine stack heights and the impacts that this may have on atmospheric emissions and gaseous ground level concentration [Timing - detailed design phase of the project]

Noise

- 8 The proponent will incorporate specific noise attenuation measures as appropriate in the detailed design of the GSP which will ensure that the requirements of the *Environmental Protection Act, 1986* Regulations or any new Regulations with respect to noise are complied with. These measures will be to the satisfaction of the DEP. [Timing - detailed design phase of the project]
- 9 The proponent will, prior to construction, develop and subsequently implement an Environmental Management Program which will ensure that all noise emissions are within established criteria. The Environmental Management Program will include, but not be restricted to:
 - 1 the development of suitable monitoring programs, and
 - 2 contingency plans should emissions exceed established criteria to reduce emission levels below those criteria.

The results of the monitoring programs will be reported to the DEP and will be available to the public. [Timing - prior to construction and during the life of the project]

- 10 The proponent has committed to the following specifications for vehicles in the transportation of steel and scrap steel to and from the Port of Geraldton, and to specify similar requirements on supply and trucking tenders entered into by Kingstream Resources NL:
 - 1 A minimum rated power output of 388kW (530 horsepower);
 - 2 No engine braking;
 - 3 The use of airbag/pneumatic suspension systems in lieu of conventional springs for prime movers and trailers where economically feasible;
 - 4 A noise level 5dB(A) less than ADR 28/01 (External Noise of Motor Vehicles) where economically feasible.

Solid Waste

- 11 The proponent will investigate opportunities for the use of solid wastes generated by the GSP. [Timing - prior to and during the operation of the GSP]
12. Should the recycling or reuse of slag prove not to be viable, The proponent will conduct leachability tests on the slag to ensure that disposal of this material in minesite waste dumps will not have adverse impacts on the receiving environment. [Timing - during the operation of the GSP]
- 13 The proponent will conduct leachability tests on refractory bricks and scale to ensure that disposal of this material in the minesite waste dump will not have any adverse effect on the receiving environment. (Timing - during the operation of the GSP)

Visual Impact

- 14 The proponent will establish landscape plantings around the perimeters of the GSP site. The landscape treatment will be developed in consultation with the Shire of Chapman Valley and will be to the satisfaction of the DEP. (Timing - prior to and during construction of the GSP)

Protection of Groundwater

- 15 The proponent will prepare and subsequently implement a Drainage Management Plan which specifies measures designed to ensure the protection of groundwater resources at the site of the GSP and will submit this plan to the DEP for approval. [Timing - prior to construction].
- 16 The proponent will install groundwater bores on the plant boundaries to monitor groundwater quality beneath the site. Monitoring results will be reported to the DEP, and will be made available to the public. [Timing - prior to construction and during the life of the project].
- 17 The proponent will liaise with the Mid West Development Groundwater Steering Committee with respect to water takeup from the groundwater resources in the region [Timing - prior to construction and during the life of the project]

Transport

18. The proponent will liaise with Main Roads Western Australia as necessary to determine potential road upgrades and improvement measures that may be required to ensure that public safety and the level of service of the roads are not affected by increased traffic associated with the transport of steel product to the Port of Geraldton. [Timing - prior to commissioning].
- 19 The proponent will liaise with the City of Geraldton regarding truck movement through the City during school curfew hours.
- 20 The proponent will ensure that a study to assess the number of noise sensitive premises along the rail line between the minesite(s) and the GSP prior to plant commissioning, and also along the road transport route to the existing Port of Geraldton is conducted. This study would identify premises that may be affected by road or rail transport, and identify any noise attenuation measures that may be required to reduce impacts on residents. {Timing - prior to commissioning}.

COMMITMENTS TABLE

Several of the commitments listed above reaffirm Kingstream Steel NL's intention to comply with the statutory requirements incumbent on the company, or paraphrase conditions likely to be placed upon the project by the Minister for the Environment. For brevity these conditions have not been repeated in the Commitment table below, which has been produced in accordance with Department of Environmental Protection Guidelines.

Commitment	Objective	Action	Timing	Whose Requirement	Measurement/Compliance Criteria
Environmental Manager Appoint an Environmental manager	To coordinate environmental management and reporting	Appoint environmental manager to monitor plant performance against established criteria and requirements	Prior to construction	DEP Part IV, V in consultation with proponent	Letter to DEP identifying delegated officer
Community Liaison Continue to liaise with local communities, local authorities and government agencies	To provide information about the MWIS project and to promote the benefits to the Mid West Region	Identify a mechanism for liaison	Prior to construction	DEP Part IV	Provision of liaison schedule
Community Liaison Continue to liaise with local communities, local authorities and government agencies	To provide information about the MWIS project and to promote the benefits to the Mid West Region	Liaise regularly with local communities, local authorities and government agencies	Prior to and during the life of the project	DEP Part IV	Six monthly review of liaison with local community, local authorities and government agencies
Visual Amenity Establish landscape plantings around the perimeter of the GSP site adjacent to roads and small property holdings	Improve visual amenity	Develop a landscape plan	Prior to construction	DEP Part V in consultation with the Shire of Chapman Valley	Submission of a Landscape Plan

Visual Amenity Establish landscape plantings around the perimeter of the GSP site adjacent to roads and small property holdings	Improve visual amenity	Implement the landscape plan	Prior to and during construction	DEP Part V in consultation with the Shire of Chapman Valley	Proponents Compliance Report
Road Transport Determine potential road upgrades and improvement measures associated with transport of steel product to the Port of Geraldton	Ensure public safety and level of service of roads are not affected by increased traffic	Liaise with Main Roads	Prior to Commissioning	DEP Part IV in consultation with Main Roads WA	Included in six monthly review of liaison with local community, local authorities and government agencies
Road Transport Liaise with City of Geraldton regarding the movement of truck traffic through the City during school curfew hours	Ensure public safety	Liaise with City of Geraldton	Prior to Commissioning	DEP Part IV in consultation with City of Geraldton	Included in six monthly review of liaison with local community, local authorities and government agencies
Noise - Rail Transport Undertake a noise assessment study along the rail line between the minesite(s) and the Geraldton Steel plant	To identify any premises that may be affected by rail noise and any noise attenuation measures that may be required	Undertake a noise assessment study	Prior to Commissioning	DEP Part IV	Submission of a Noise Assessment Study

<p>Noise – Road Transport Undertake a noise assessment study along the road transport route between the Geraldton Steel plant and the existing Port of Geraldton</p>	<p>To identify any premises that may be affected by road noise and any noise attenuation measures that may be required</p>	<p>Undertake a noise assessment study</p>	<p>Prior to Commissioning</p>	<p>DEP Part IV</p>	<p>Submission of a Noise Assessment Study</p>
<p>Noise Transport All vehicles involved in transportation of product and scrap steel</p>	<p>To keep noise to a practical minimum</p>	<p>Provide trucks with the following specifications: (i) a minimum rated power output of 520 horsepower, (ii) no engine braking, (iii) the use of airbag/ pneumatic suspension systems in lieu of conventional springs for prime movers and trailers where economically feasible, (iv) a noise level of 5dB(A) less than ADR28/01 (External Noise of Motor Vehicles) where economically feasible</p>	<p>During operation of the plant</p>	<p>DEP Part V</p>	<p>Proponents Compliance Report</p>
<p>Noise Transport Heavy vehicles involved in transport of bulk commodities other than steel and scrap steel</p>	<p>To keep noise to a practical minimum</p>	<p>With the tender specifications documents for bulk haulage arrangement entered into by AFKS identify a preference for the following truck specifications: (i) a minimum rated power output of 520 horsepower, (ii) no engine braking, (iii) the use of airbag/ pneumatic suspension systems in lieu of conventional springs for prime movers and trailers where economically feasible, (iv) a noise level of 5dB(A) less than ADR28/01 (External Noise of Motor Vehicles) where economically feasible</p>	<p>During operation of the plant</p>	<p>DEP Part V</p>	<p>Proponents Commitment Report</p>

Groundwater Liaise with Mid West Development Groundwater Steering Committee	Maintain quality of groundwater	Liaise with Mid West Development Groundwater Steering Committee with respect to water take-up from the groundwater resources in the region	Prior to commission ing and during operation	DEP Pt 1V and V in consultation with Mid West Development t Groundwater Steering Committee	Included in six monthly review of liaison with local community, local authorities and government agencies
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MEMO TO: Chief Executive Officer
FROM: John Güld (Industrial Development Branch), Jim Treloar (Audit Branch)
SUBJECT: Proposed change in location of the Mid West Iron & Steel Project - Geraldton Steel Plant, Oakajee
DATE: 26 November 1997

Project Title: Mid West Iron & Steel Project - Geraldton Steel Plant, Oakajee
Proponent: An Feng Kingstream Steel Limited
Assessment No: 1063
Bulletin: 860
Statement No: 460
DEP File: 335/96

Manager: [Signature] 25/11/97
Director: [Signature] 26/11/97
Manager Audit: [Signature] 25/11/97

1. Background

Environmental approval for the project was issued by the Minister for the Environment on 13 October 1997 (Attachment 1).

The original site for the Geraldton Steel Plant was adjacent to the southern boundary of the heavy industry core area of the proposed Oakajee Industrial Estate, located approximately 23km north of Geraldton. The Geraldton Steel Plant will produce a nominal 2.4 Mt/a of steel slab for export through the proposed Oakajee Deepwater Port.

2. Proposed Change

The proponent is seeking approval to change the location of the Geraldton Steel Plant from that described in the CER document and in EPA Bulletin 860, to a new location approximately 1.2km north-north-west within the heavy industry core area of the Oakajee Industrial Estate. The relocated steel plant will be further away from the nearest affected residences.

This proposed relocation has occurred as a result of the development of the Structure Plan for the Oakajee Industrial Estate by LandCorp and in response to the selection by the Department of Resources Development of a preferred site for the Oakajee Deepwater Port adjacent to the northern sector of the Oakajee Industrial Estate.

The original location of the Geraldton Steel Plant was selected as it was adjacent to what was then considered to be the likely location of the port, approximately midway between the Oakajee and Buller Rivers.

3. Issues Associated with Proposed Changes

The main environmental issues associated with the above change are as follows:

- the change in ground level concentration contours for gaseous emissions;
- the change in ground level concentrations for dust and particulate emissions; and
- the change in noise level contours.

4. Assessment

The relocation of the plant will certainly not increase and in all likelihood will reduce the potential for noise, gaseous and dust emission impacts on nearby sensitive premises.

5. Conclusion

The potential environmental impacts of the proposed change in location are considered either positive and/or manageable by the existing conditions and commitments.

6. Recommendation

I recommend that the Chief Executive Officer, under delegation from the EPA, advise the Minister for the Environment that the proposed change has either positive or manageable environmental impacts and that she consider the change to be non substantial.

Please find attached a draft letter to the Minister for the Environment for her signature should she accept the recommendation.



MINISTER FOR THE ENVIRONMENT;
EMPLOYMENT AND TRAINING

Your Ref:

Our Ref: 335/96 (118396)

Managing Director
An Feng Kingstream Steel Limited
Level 40, Exchange Plaza, 2 The Esplanade,
PERTH WA 6000

Dear Sir

**MID WEST IRON & STEEL PROJECT - GERALDTON STEEL PLANT,
OAKAJEE (STATEMENT 460) - CHANGE TO PROPOSAL**

I refer to your request of 17 November 1997 for approval of the change to the above proposal, in accordance with Condition 2 of the environmental approval issued on 13 October 1997.

The Environmental Protection Authority has provided advice to me regarding the proposed change in location of the Geraldton Steel Plant within the Oakajee Industrial Estate.

I understand that the potential environmental impacts of the proposed change relative to those previously approved will be positive or can be managed under the existing conditions and commitments. Accordingly, I consider that the proposed change is not substantial and may be implemented as part of the Mid West Iron & Steel Project.

Please note that the above information refers to environmental issues in the Statement of 13 October 1997. This does not remove the necessity to obtain any approvals which may be required by other agencies.

Yours faithfully


CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

12 DEC 1997



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HON MINISTER FOR THE ENVIRONMENT

**MID WEST IRON & STEEL PROJECT - GERALDTON STEEL PLANT,
OAKAJEE (STATEMENT 460) - CHANGE TO PROPOSAL**

Environmental approval was given to the proponent, An Feng Kingstream Steel Limited, for the above proposal on 13 October 1997 (Statement 460).

The project centres around the establishment of the Geraldton Steel Plant and a gas-fired power station within the Oakajee Industrial Estate, approximately 23km north of Geraldton. This plant will produce a nominal 2.4 Mt/a of steel slab for export through the proposed Oakajee Deepwater Port.

The proponent, An Feng Kingstream Steel Limited, is seeking to amend the proposal under Environmental Condition 2 of the Statement of Environmental Approval (copy attached), which provides for the implementation of changes deemed non substantial, subject to your approval.

The proponent proposes to change the location of the Geraldton Steel Plant by relocating it approximately 1.2km north-north-west of its original position within the heavy industry core area of the Oakajee Industrial Estate.

Attached is an internal memo with the DEP's assessment of the proposed change.

I consider that the proponent has provided adequate documentation to conclude that the potential environmental impacts of the above change would be positive or can be managed under the existing conditions and commitments. Accordingly, I recommend that you find that the change to the proposal is not substantial.

Should you accept this advice, I have included a draft letter for your consideration.


(Dr) Bryan Jenkins
CHIEF EXECUTIVE OFFICER

26 November 1997

Encl