

環境レビュー結果

- (1) 照会番号
12-044
- (2) プロジェクト名
火力発電所
- (3) 実施場所
チリ国 アントファガスタ州
- (4) プロジェクト概要
火力発電所の新設
- (5) カテゴリ分類
カテゴリ A
- (6) カテゴリ分類の根拠
本件は、環境ガイドラインに示される大規模な火力発電セクターに該当し、影響を受けやすい地域を伴うため。
- (7) 環境許認可
火力発電所、送電線、変電所について、同国制度に基づき環境影響評価書が作成されており、環境当局により承認を得ている。
- (8) 汚染対策
大気質、水質、騒音について、現地国基準及び国際基準を満たすよう適切な対策が講じられている。その他の汚染対策についても、適切な措置が講じられている。
- (9) 自然環境面
本プロジェクトサイト及びその周辺には、現地国法令または国際条約等に定める保護対象地域等は含まれない。サイト近辺に、チリ国法において絶滅危惧種に指定される鳥類の繁殖地が存在するが、工事期間の設定や設備対策の実施等の影響緩和策が講じられる他、モニタリングを実施し、必要に応じて追加対策が講じられる予定である。

(10) 社会配慮面

本プロジェクトの実施による非自発的住民移転は発生しない。

(11) 適用国際基準

IFC パフォーマンススタンダード

(12) その他(モニタリング等)

プロジェクト実施者による、大気質、水質、生態系等のモニタリングが計画されており、モニタリング結果は定期的に環境当局へ報告される予定である。

以 上

Questions

Q1. Please provide the address of the project site.

Address of the project site: Mejillones Bay, Antofagasta Region

Q2. Please provide brief explanation of the project.

The Cochrane project is a coal-fired plant with net capacity of approximately 472 MW (532 MW gross)

Q3. Will NEXI insurance be applied to a new project or an executing project? In case of an executing project, please inform of strong claims by stakeholders such as local residents, as well as improvement guidance or cessation orders for construction work / operations, from environmental authorities.

- | | |
|-----------------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> New Project | <input type="checkbox"/> Executing Project (with Claim etc.) |
| <input type="checkbox"/> Executing Project (without Claim etc.) | <input type="checkbox"/> Others (Please specify) |

Q4. In case of this project, is it necessary to execute Environmental Impact Assessment (EIA) based on the laws or regulations of the country where the project is to be implemented? If necessary, please inform the progress of EIA.

- | | |
|----------------------------------------------------------|-----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Required (Completed) | <input type="checkbox"/> Required (Under execution or under planning) |
| <input type="checkbox"/> Not Required | <input type="checkbox"/> Others (Please specify) |

Q5. In case that EIA is already completed, please inform whether EIA report is already approved based on the environmental assessment system of the country where the project is to be implemented or not. If EIA report is already approved, please provide the date and name of authorities of the approval.

- | | |
|-------------------------------------------------------|------------------------------------------------------------|
| <input type="checkbox"/> Approved (without condition) | <input checked="" type="checkbox"/> Approved (conditional) |
| <input type="checkbox"/> Under approval process | <input type="checkbox"/> Others (Please specify) |

Date of Approval: September, 2, 2009

Name of Authorities: Comisión Regional del Medio Ambiente de Antofagasta (Regional Commission of Environment of Antofagasta).

Q6. If environmental permit(s) other than EIA is required, please provide the name of required permit(s). Have you obtained required permit(s)?

- | | |
|---------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Obtained | <input checked="" type="checkbox"/> Required, but not obtained yet |
| <input type="checkbox"/> Not required | <input type="checkbox"/> Others (Please specify) |

Name(s) of required permit(s): Environmental permit is approved, although secondary amendments may be required for the incorporation of BESS, SCR, the location of the substation and a potential expansion of the coal yard.

Q7. Will the insurance be used for the undertaking that cannot specify the project at this stage (e.g. export or lease of machinery that has no relation with specific project, or Two Step Loan that cannot specify the project at the time of loan agreement)?

No

If you answered "Yes", it is not necessary to reply to the following questions.

If you answered "No", please reply to the following questions.

Q8. Are there any environmentally sensitive area(s) shown below in and around project site(s)?

Yes

If you answered "Yes", please select applicable items by marking, and reply to following questions.

If you answered "No", please reply to questions 9 and after.

- ☐ (1) National parks, protected areas designated by government (coastal areas, wetlands, habitats of minorities or indigenous populations, heritage sites, etc.)
- ☐ (2) Primeval forests, tropical natural forests
- ☐ (3) Ecologically important habitats (coral reefs, mangrove, tidal flats, etc.)
- ☒ (4) Habitats of endangered species of which protection is required under local laws and international agreements.
- ☐ (5) Areas that have risks of large scale increase in soil salinity or soil erosion
- ☐ (6) Desertification areas
- ☐ (7) Areas with special values from archaeological, historical and/or cultural viewpoints
- ☐ (8) Habitats of minorities, indigenous populations, nomadic people with traditional life style, or areas with special social value

Q9. Does the project involve following characteristics?

No

If you answered "Yes", please describe the scale of applicable characteristics, and reply to the questions 10 and after.

If you answered "No", please reply to questions 11 and after.

- ☐ (1) Involuntary resettlement (Number of resettlers:)
- ☐ (2) Pumping of groundwater (Scale: m³ /year)
- ☐ (3) Land reclamation, development and/or clearing (Scale: ha)
- ☐ (4) Deforestation (Scale: ha)

Q10. Under the environmental impact assessment system of the country where the project is to be implemented, do the applicable characteristics from (1) – (4) above and their scale serve as basis for executing an EIA for the project?

- ☐ They do ☐ They do not
- ☐ Others (Please specify)

Q11. Will the value insured by NEXI in the export, loan or investment project be equal or less than 5% of the total project cost, or equal or less than SDR 10 million? (In the case of additional support for a past project, this shall be the accumulated total amount)

No

If you answered "Yes", it is not necessary to reply to the following questions.

If you answered "No", please reply to questions 12 and after.

Q12. Does the project belong to either of the sectors that impact on the environment is deemed immaterial or is not anticipated under normal conditions (e.g. maintenance of the existing facilities, non-expansory renovation project, acquisition of rights or interests without additional capital investment)?

No

If you answered "Yes", it is not necessary to reply to following questions.
If you answered "No", please reply to the questions 13 and after.

Q13. Does the project belong to the following sectors?

Yes

If you answered "Yes", please specify the sector by marking, and reply to questions 14 and after.
If you answered "No", it is not necessary to reply to the following questions.

- ☐ (1) Mining
- ☐ (2) Oil and natural gas development
- ☐ (3) Pipelines
- ☐ (4) Iron and steel (projects that include large furnaces)
- ☐ (5) Non-ferrous metals smelting and refining
- ☐ (6) Petrochemicals (manufacture of raw materials; including complexes)
- ☐ (7) Petroleum refining
- ☐ (8) Oil, gas and chemical terminals
- ☐ (9) Paper and pulp
- ☐ (10) Manufacturing and transport of toxic or poisonous substances regulated by international treaties, etc.
- ☒ (11) Thermal power
- ☐ (12) Nuclear power
- ☐ (13) Hydro power, dams and reservoirs
- ☐ (14) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging or submarine electrical cables
- ☐ (15) Roads, railways and bridges
- ☐ (16) Airports
- ☐ (17) Ports and harbors
- ☐ (18) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- ☐ (19) Waste management and disposal
- ☐ (20) Agriculture involving large-scale land clearing or irrigation
- ☐ (21) Forestry
- ☐ (22) Tourism (Construction of hotel, etc.)

Q14. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.) Further, please explain whether an execution of EIA is required on account of the large scale of the project in the country where the project is implemented.

The Cochrane project is a coal-fired plant with net capacity of approximately 472 MW (532 MW gross) to be located on the Pacific coast of northern Chile near the town of Mejillones. The Project consists of two 236 MW (net) coal-fired electric generating units and related facilities (the "Power Plant"), a 20 MW Battery Energy Storage System ("BESS") and a 220 kV 152 km transmission line.