

Project Description	Construction of a 1,351 mmcf/d natural gas complex
Sponsors	Qatar Petroleum, ExxonMobil
Country	Qatar
Project Category	A
Canadian Exporter(s)	Various
Description of capital goods and/or services	Sale of various Canadian goods and services
EDC Product	Financing
Date of publication on EDC's website (dd/mm/yy)	25/10/2011
Date of Signing (dd/mm/yy)	21/12/2011

### Project Categorization

The project involves the construction and operation of a phased development to extract and process gas and condensate from the offshore Qatar North Field. The project is located in the Ras Laffan Industrial City, a 250 square kilometer designated industrial zone located on the north east coast of Qatar adjacent to the North Field. The project was classified as Category A. Please consult the [Environmental and Social Review Directive](#) for category definitions.

### Summary of EDC's Review

EDC reviewed the project in accordance with the requirements of our *Environmental and Social Review Directive* and the *Equator Principles*, and concluded that the project is designed to meet or exceed internationally recognized good practices, guidelines or standards.

In reaching this conclusion, EDC reviewed a project environmental and social impact assessment, which was benchmarked against relevant international environmental and social standards, and reviewed for appropriate mitigation measures against the project's potential environmental and social effects. EDC's review also included an assessment of the project's stakeholder engagement activities as well as a site visit to the project.

### Key environmental and social issues associated with the project, and related mitigation measures reviewed by EDC include, but are not limited to, the following:

**Air quality:** Atmospheric emissions from gas processing during operations.

**Mitigation measures:** Use of best available technology including high sulfur recovery efficiency, low NOx burners, waste heat recovery system and a leak detection and repair program as well as restricted use of flaring and use of a continuous emissions monitoring system.

**Greenhouse gases:** Carbon dioxide and methane emissions from gas processing operations.

**Mitigation measures:** Use of natural gas fuel, high efficiency processing units, and flare minimization measures. Ongoing greenhouse gas monitoring and quantification based on internationally recognized methodology.

**Biodiversity:** Impacts to habitat of marine turtles and coral colonies during offshore pipeline construction.

**Mitigation measures:** Implementation of a comprehensive project Turtle Management Plan and Coral Management Plan, and coordination with the Ras Laffan Industrial City Turtle Management and Conservation Program.

**Labour and working conditions:** Large-scale construction workforce and worker accommodation camp, and potential occupational health and safety impacts during construction and operation.

**Mitigation measures:** Implementation of a comprehensive Camp Operation and Maintenance Plan, employee engagement and representation through formal worker committees, and various occupational health and safety mitigants such as use of personal protective equipment and a heat stress program.

**Emergency preparedness and response:** Potential environmental, health and safety risks due to well blowouts, diesel spills and/or accidental pipeline rupture.

**Mitigation measures:** Implementation of an Offshore Spill Contingency Plan and an Onshore Spill Prevention, Control and Response Plan.

#### **Documentation Reviewed:**

- Environmental, Socioeconomic and Health Impact Assessment (2009)
- Addendum Environmental, Socioeconomic and Health Impact Assessment (2011)
- Environmental Permit (2009)
- Amendment to Environmental Permit (2011)
- Onshore Project Environmental Management Plan (2011)
- Onshore Project Camp Operation and Maintenance Plan (2011)
- Onshore Project Camp Health and Welfare Program (2011)
- Proposal for Marine Environmental Mitigation Studies (2011)
- Executive Summary of the Strategic Environmental Assessment of the Ras Laffan Industrial City (undated)
- Due Diligence Site Visit Presentation (2011)
- Site Visit Report (2011)
- Qatar Public Consultations Assessment (2011)
- Independent Technical Review (2011)
- Common Terms Agreement (2011)

**Applicable International Finance Corporation (IFC) Environmental and Social Standards used by EDC (in addition to host country requirements):**

- Performance Standard 1: Social and Environmental Assessment and Management System;
- Performance Standard 2: Labor and Working Conditions<sup>1</sup>
- Performance Standard 3: Pollution Prevention and Abatement<sup>2</sup>
- Performance Standard 4: Community Health Safety and Security
- Performance Standard 6: Biodiversity Conservation and Sustainable Natural Resource Management
- Performance Standard 8: Cultural Heritage.

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<sup>2</sup> The IFC and EBRD “Workers’ accommodation: process and standards” guidance note (August 2009) was also taken into account

<sup>2</sup> IFC Performance Standard 3 references the sector-specific IFC Environmental, Health and Safety (EHS) Guidelines and EDC has considered these guidelines in conducting its review, specifically Onshore Oil and Gas Development (April 2007), Offshore Oil and Gas Development (April 2007) and the General EHS Guidelines (April 2007).