

## Environmental and Social Data Sheet

### Overview

Project Name: **WARTA GLASS POLAND**  
Project Number: 20120209  
Country: POLAND  
Project Description: The project concerns the refurbishment / modernization of two glass container manufacturing plants in Western Poland.

EIA required: YES

Project included in Carbon Footprint Exercise<sup>1</sup>: YES

(Details are provided in section: "Carbon Footprint")

### Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

Production of glass falls under Directive 2011/92/EU. EIAs are required for each project. The investments are taking place within the perimeter of existing industrial plants. One site is close to a Natura 2000 area. No problems are expected with investments taking place in long standing, well operated industrial sites.

Both plants are energy efficient and the investment programme is implementing the latest technology for glass furnaces heating. The 3 furnaces are natural gas fired with electrical boosting.

There are no sensitive social issues involved, neither in the implementation of the investment programme nor in the operation of the plants.

### Environmental and Social Assessment

#### Environmental Assessment

- Production of glass falls under Directive 2011/92/EU. EIAs are required in both plants. They are not yet finalised but no problems are expected with investments taking place in long standing, well operated industrial sites. Satisfactory EIAs presentation will be a disbursement condition.
- The main negative impacts of glass containers production plants are related to atmospheric emissions and traffic impacts for incoming raw materials and out coming products.
- Both plants are energy efficient and the investment programme is implementing the latest technology for glass furnaces heating. The 3 furnaces are natural gas fired with

<sup>1</sup> Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: above 100,000 tons CO<sub>2</sub>e/year absolute (gross) or 20,000 tons CO<sub>2</sub>e/year relative (net) – both increases and savings.

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electrical boosting (some 20% of total energy consumption); in addition new electrostatic precipitators will bring dust emissions in the range of 20-30 mg/Nm<sup>3</sup>. The investment programme has two additional environmental benefits: a) reduction of water consumption through increased treatment and recycling in each plant; b) increased cullets recycling from some 20 to 35 % of the total plant raw materials feed.

- One site is close to a Natura 2000 area; the project is not expected to have a significant impact; the relevant Form A will be presented to the Bank.

### **EIB Carbon Footprint Exercise**

- The estimated absolute emissions of the project in a standard year of operation amount to 148 kt/a
- The estimated relative emissions of the project in a standard year of operation amount to minus 22 kt/a.
- The GHG emissions savings is based on the improved energy efficiency of the plants and on the increased recycling of cullets.
- In 2012, the company will be below its allocated quota by some 8 Kt. For the future production levels, it will receive new allocations which have not yet been fixed.
- The loan amount requested from EIB (50 M EUR) will cover some 37% of the expected project cost of 136 M EUR. Therefore the EIB pro-rated absolute and relative emissions amount to some 56 and minus 8 kt CO<sub>2</sub>/a respectively.

### **Social Assessment, where applicable**

- The investments take place within the boundaries of the existing plants and no involuntary resettlement has to be considered.
- No Vulnerable Groups are involved in the exploitation of the plants.
- Poland has adhered to ILO Conventions and the promoter is fully enforcing them within its operations.
- The mother company (BA Glass) has an Occupational and Community Health and Safety policy which is enforced in Warta; it is reviewed annually (audits) and meets ISO 14001 requirements.

### **Public Consultation and Stakeholder Engagement, where required**

- The major furnaces rebuilt in the investment programme will be object of public consultation. No problems are expected for small size investments taking place in existing plants. The plants have satisfactory relationships with neighbouring communities to which they provide significant indirect activities.

### **Other Environmental and Social Aspects**

- N.A.