

Environmental and Social Data Sheet

Overview

Project Name: WACKER SILTRONIC RDI
 Project Number: 2012 0612
 Country: GERMANY
 Project Description: The project relates to the RDI activities for the development of next generation of hyper pure silicon wafers and ingots for the semiconductor industry carried out by Wacker Siltronic in the years 2013-2015.

EIA required: No

Project included in Carbon Footprint Exercise¹: No

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

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

The RDI activities covered by the project are not specifically covered by Annexes I & II of EU Directive 2011/92/EU and therefore are not subject to mandatory Environmental Impact Assessment (EIA). While the project is planned to result in a reduction of energy and chemicals consumption, the resulting manufacturing process will still add to the environmental load. In addition, the RDI includes test-runs using fluids and gases present in the manufacturing environment. Overall, the project's environmental acceptability is therefore classified by the Bank under the category B, Acceptable with minor residual impacts.

Environmental and Social Assessment

Environmental Assessment

The proposed investments will take place inside buildings at RDI facilities already being used for similar activities within existing industrial sites. No new construction is planned and the expansion of facilities to new sites is not foreseen.

The RDI of new manufacturing technologies requires the need to run manufacturing test-runs using fluids and gases present in manufacturing environments. The project is planned to result in a reduction of the energy consumption, slurry and acids of the manufacturing operations.

Other Environmental and Social Aspects

The promoter is ISO 14001 certified since the year 2000 and OHSAS 18001 certified since 2007. As part of its Environmental reporting, the promoter publishes environmental goals. These relate to a full set of targets, including e.g. reduction of GHG emissions, waste or water consumption. These initiatives have already provided clearly identified results in the last years, like the reduction of 1500 t CO₂ emission per year in the manufacturing, reduction of specific acids by 30% over the last years.

One of the project sites (Burghausen) is shared with the industrial activities of the promoter's mother-company's, and falls under the Seveso II directive. The promoter has indicated that the relevant emergency plans, permits and collaboration with the authorities are in place.

PJ/ECSO 10.07.12

¹ 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 CO₂e/year absolute (gross) or 20,000 tons CO₂e/year relative (net) – both increases and savings.