



Luxembourg, 3 June 2025

## Environmental and Social Completion Sheet (ESCS)

### Overview

Project Name:	A2A WASTE TREATMENT INITIATIVES
Project Number:	2017-0440
Country:	Italy
Project Description:	Investments for the recycling of plastics and for upgrade of flue gas treatment and energy recovery at an existing waste incinerator.

### Summary of Environmental and Social Assessment at Completion

**EIB notes the following Environmental and Social performance and key outcomes at Project Completion.**

The Project comprised i) two plastic waste sorting plants in Cavaglià and Muggiano; and ii) upgrade of the flue gas treatment system including flue gas condensation in the existing waste incineration plant in Brescia. Due to uncertainties surrounding the issuance of environmental permits for the four anaerobic digestion plants for separately collected bio-waste, the Promoter requested the withdrawal of this component.

The two plastic waste sorting plants fall under Annex II of the Environmental Impact Assessment Directive (2011/92/EC). They were, however, exempt from EIA considering the waste types and capacities according to Italian regulations (Legislative Decree 152/06). Since 2019, the two plants have been fully operational, each with a capacity of 50,000 tonnes per year. Both plants receive mixed plastic waste under contracts with COREPLA, one of the Italian extended producer responsibility organisations for plastic packaging waste. The facilities demonstrate good performance in terms of output quality and waste separation. Both sites have tested innovative technologies to enhance waste recognition and sorting.

The Brescia flue gas treatment upgrade did not require a new EIA as the upgrade is not material and does not involve increase in capacity or introduction of new waste types. On 23.04.2019 Lombardy Region issued the environmental integrated authorization (IPPC) for this component.

As undertaking related to the environmental impacts of the project, the Promoter was required to inform the Bank of any changes to the permitted emission levels at Brescia Waste Incineration Plant. The current IPPC authorisation is valid until 23.11.2040, and no changes are expected.

Additionally, the promoter had to follow the usual undertakings related to the environmental and social impacts of the project, namely:

- not to allocate Bank funds to programme components that require a full EIA until the EIA and/or the necessary nature assessment have been finalised and approved by the relevant competent authority. Once any EIA is available, the promoter will provide the Bank with an electronic copy of the EIA, for publication on the EIB website.
- not commit any EIB funds against any scheme that impacts nature conservation sites, without receiving from the relevant competent authorities the declaration under Art. 6(3)



Luxembourg, 3 June 2025

of the Habitats Directive that there are no significant effects and informing the Bank of such declaration having been obtained.

During implementation, none of the investment required an EIA and none were affecting a nature conservation site.

The upgrade of the flue gas treatment system at the existing waste incineration plant in Brescia has led to a significant reduction in air emissions. The addition of a flue gas condensation unit has enhanced energy recovery from the plant. Furthermore, the installation of a new backup generator ensures power supply during temporary interruptions of the incinerator, thereby improving the overall safety and reliability.

The increased energy recovery achieved through the flue gas condensation at the Brescia waste to energy plant enables a reduction of fossil fuels consumption for district heat generation of approximately 26,000 tonnes/year, which corresponds to avoided CO<sub>2</sub> emissions of 68,000 tonnes/year.

**Summary opinion of Environmental and Social aspects at completion:**

EIB is of the opinion, based on reports from the promoter, that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.