



Sogliano  
Ambiente

Waste disposal

We turn waste into  
resources while protecting  
the environment.

# Sogliano Ambiente

Advanced waste disposal solutions



Since 1996 Sogliano Ambiente has been setting the benchmark for transforming the problem of waste into an opportunity **for growth and economic development**. One of our activities is the **disposal of waste in controlled landfills**.

We have everything it takes to **manage and operate this type of facility in compliance with the highest levels of professionalism** and with current standards.

We can handle all the numerous aspects of **specialized** management, avoiding waste disposal-related environmental or hygiene problems. Among the facilities we manage, the **Ginestreto 2** non-hazardous waste landfill, in the Municipality of Sogliano al Rubicone,

is authorized for the disposal of mixed waste with high organic and inorganic contents; moreover, the facility recovers the biogas and uses it to produce energy. The plant serves the **national** territory (at the local level: ATO of Forlì-Cesena and Rimini) but also serves areas **beyond the national borders** (Republic of San Marino).

Since 2007 the facility has been **authorized in compliance with the most stringent legislative regulations** (It.Leg.Dec. 59/05 Integrated Environmental Authorization and It.Leg. Dec. 36/03 and Min.Dec. 03/08/05). Moreover, it can receive a wide range of non-hazardous waste also because some of the current legal limits have been waived for the site.

## Value added services

### Acceptance of the waste

From the contractual phase, before waste is transported to the landfill, the **administrative aspects** regarding the type of waste that can be accepted, their origin, the transport modalities and permits needed are defined along with all other aspects needed to ensure that subsequent technical controls on the

waste are **simple and effective**. To ensure that the information provided by the waste producer is compliant, it is verified and this verification is supported by **on-site checks** performed by the person unloading the materials and by **analytical testing** of a representative sample of the incoming waste.

### Disposal

Once accepted, the waste is sent to the landfill where it is **arranged and compacted by special machinery**. The waste is accumulated in uniform

layers so that the entire mass presents a profile compliant with the project configuration.

**Management also covers the following waste produced by the landfill:**

- **biogas**, i.e. the gas produced by degradation of the waste and sent on for **energy recovery**;
- **leachate**, i.e. the liquid fraction which is collected and disposed of in **authorized purification sites**.

### Surveillance and control

**Environmental monitoring and surveillance** are ongoing and performed based on numerous aspects using different methods to determine any interactions between the landfill and the surrounding environment in order to **prevent any form of pollution**. The **Surveillance and control plan**, compliant with current standards and authorized by the control bodies, guarantees that performed controls

are constantly checked and kept up to date. The significant number of controls — performed by independent, specialized institutions, by outside professionals and by control bodies (ARPA) — are gathered in **annual reports** presenting the results achieved and **revealing the effectiveness of the management system** adopted, the best guarantee to ensure safety at the Ginestreto plant.

### Final covering and environmental restoration

Once placement of waste in the landfill has been completed, we produce a multi-layer final covering (**capping** compliant with It.Leg.Dec. 36/03) and final **environmental restoration** of the

surface, with works to produce grass cover and to plant trees and shrubs. All this is performed according to an arrangement able to reintegrate the landfill in the surrounding landscape.

# Plant technical data sheet

<b>Plant name</b>	Ginestreto 2 landfill
<b>Location</b>	Sogliano al Rubicone
<b>Opening date</b>	02/05/2005
<b>Estimated overall duration</b>	15 years
<b>Landfill category</b>	For non-hazardous waste (UW and SW)
<b>Authorized volume</b>	(m <sup>3</sup> ) 2,500,000
<b>Residual capacity (as at 31/12/2008)</b>	(m <sup>3</sup> ) 1,680,800
<b>Area</b>	UW: ATO Forlì-Cesena, ATO Rimini, Rep.San Marino SW: national territory
<b>Authorized receiving quantity (2009)</b>	172.000 (t/year)
<b>Mode of operation</b>	Compliant with It.Leg.Dec. 36/03
<b>Overall capacity of electricity generation plant powered with recovered biogas</b>	5.3 (MW)
<b>Electricity produced as at 31/12/2008 (since 1998)</b>	212,000,000 kWh
<b>Electricity produced in 2008</b>	31.700.000 kWh
<b>Electricity exported</b>	96%
<b>Electricity used in-house</b>	4,2 % (MWh/year)
<b>Biogas recovered in 2008</b>	8.200.000 m <sup>3</sup>
<b>Leachate produced in 2008</b>	5.170,000 (t/year)

## For information:

### Marco Antonini

Technical Manager for management services  
antonini@soglianoambiente.it

### Daniela Capelletti

Manager for waste - environment - quality service  
capelletti@soglianoambiente.it



Sogliano Ambiente S.p.A.

Piazza Garibaldi 12  
47030 Sogliano al Rubicone (FC)  
Tel. 0541 948910 – Fax 0541 948909

[www.soglianoambiente.it](http://www.soglianoambiente.it)  
[info@soglianoambiente.it](mailto:info@soglianoambiente.it)