

2. ÀRIDS CATALONIA



PLANNING 2020 Ground rating: SV3 Free space system (Connecting parks)

ENVIRONMENTAL DESCRIPTION OF THE SUBSOIL IN THE AREA:

Several clay extraction pits excavated between 1964 and 1970 with a total volume of 110,000 m³. Filled between 1968 and 1980 with earth, rubble and, to a lesser extent, various wastes (concrete, iron, plastics, fabrics, etc.). There was no type of tipping authorization. Regarding the clay pits, in 1974 a company selling aggregates was set up. This activity involved surface landfilling discharges of old construction ruins mixed with asbestos waste.

STUDIES CARRIED OUT:

- **MEDITERRA.** Soil research in the area of the Partial Plan of the Centre Direccional de Cerdanyola del Vallès. Phase II. November 2006.
- **MEDITERRA.** Research for the characterisation of old landfill sites in a restored clay extraction area in the land designated "Àrids Catalonia". Phase II. July 2007.
- **TAUW COVITECMA.** Environmental analysis of three old clay extraction pits filled in and hydrogeological study as a whole within the scope of the Partial Plan of the Centre Direccional de Cerdanyola del Vallès. February 2009.
- **TECNOMA.** Remediation construction project for the area designated "Àrids Catalonia" located on the left bank of the torrent del Bosc in the Partial Plan of the Centre Direccional de Cerdanyola del Vallès. November 2009.

- **TECNOMA.** As built of the urbanisation and remediation Project for the area designated "Àrids Catalonia" located on the left bank of the torrent del Bosc in the Partial Plan of the Centre Direccional de Cerdanyola del Vallès. February 2012.

COVITECMA STUDY. FEBRUARY 2009

Diagnostic summary:

In soils, there is a major problem due to the presence of asbestos fibres. Regarding compounds of a chemical origin, some exceed the levels set by RD 9/2005 and the NGR established by the ARC (The Catalan Waste Management Agency). In groundwater, there are some parameters that, sporadically, exceed the regulatory levels established by the ACA (The Catalan Water Agency).

No presence of VOCs nor biogas generation were detected inside the clay pits.



QUANTITATIVE RISK ANALYSIS:

The calculated risk is inadmissible due to the presence of asbestos fibres. The inadmissible risk consists specifically in airborne fibres and subsequent inhalation by people.

Recommendations for action:

1. The recommended action is the confinement of the lands with the presence of asbestos fibres (a minimum of 0.5 meters) and marking out by means of tapes warning of its presence.
2. As a precaution, it is recommended to install a layer of clay in order to minimize the filtration of rainwater into the clay pits.

Implications for urban planning:

The As built for the Urbanisation and Remediation Project in the area designated "Àrids Catalonia" dated February 2013, defines the technical and geometric conditions for the remediation carried out. The integrity of land confinement with the presence of asbestos fibres and waterproofing must be guaranteed.

The maintenance actions for the existing urbanisation will have to guarantee the integrity of the existing sealing. When a tree or shrub falls in the confinement area, it is preferable to cut the trunk at root level and not to uproot the trunk to avoid unnecessary risks.

Informed by the competent administrations approving the study recommendations?: **Yes.**

1. ARC: Approval of the construction project for remediation and landscape restoration of the area designated "Àrids Catalonia" for the Centre Direccional de Cerdanyola del Vallès, within the framework of informative file 07/2069, dated 15th February 2010.
2. ARC: Technical report of evaluation and as-

essment of the works carried in the landscape restoration (green corridor) of the land designated "Àrids Catalonia", within the framework of informative file No. 07/2069, dated 15th October 2012.

In this report, the ARC considers the action carried out to be correct and recommends that the area of action be included in the planning and marked out and/or protected by trees to delimit the area not suitable for agricultural use.

ARC = *The Catalan Waste Management Agency*

Current position of the area (May 2013):

The environmental restoration of the land has been carried out. The area located on the left bank of the torrent del Bosc has been developed and is now open to the public.

