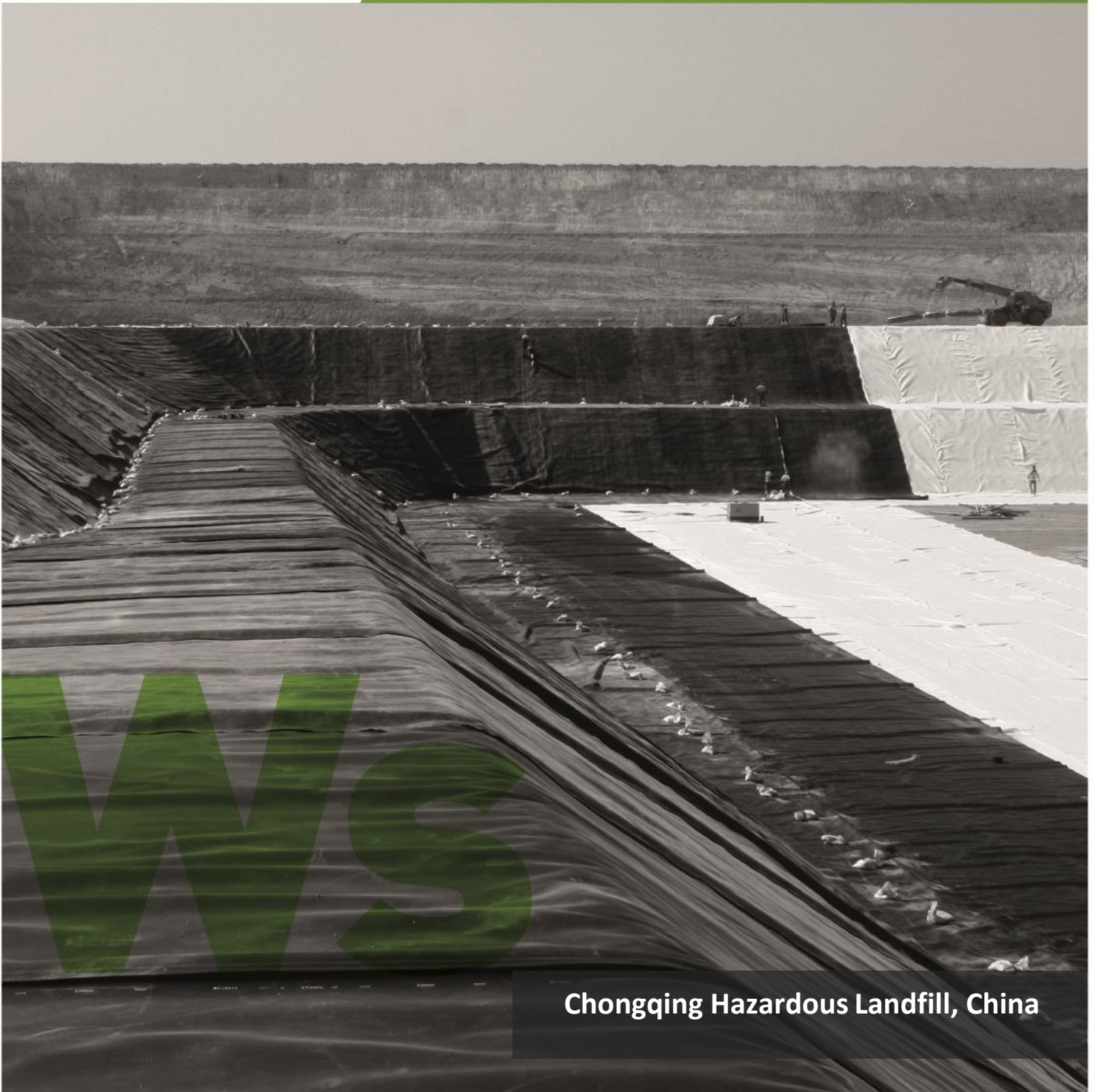


CASE STUDIES
WASTE



Chongqing Hazardous Landfill, China

Project Name

Chongqing Hazardous Landfill, China

Location

Chongqing, China

Customer

Rightway Enterprise International, LLC

Building time

2020

Project Details

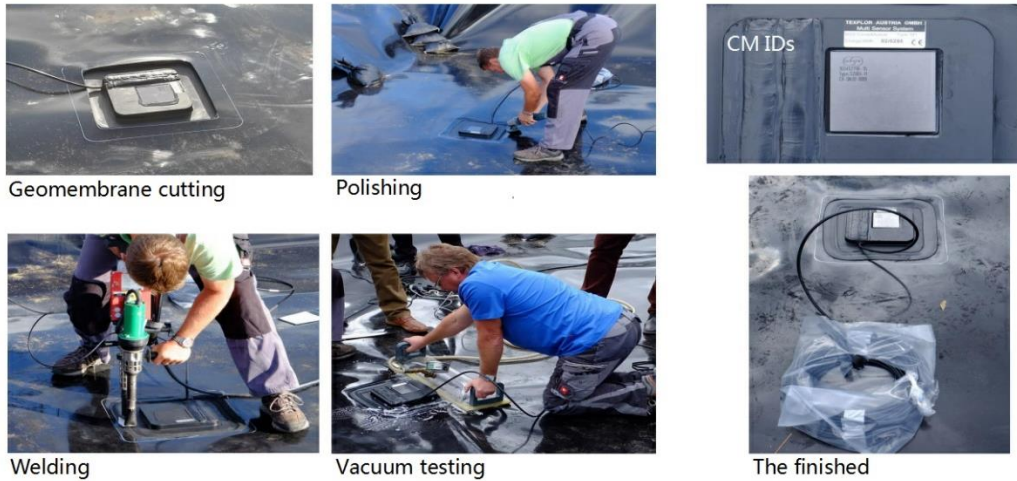
Hazardous waste pollution controlling has come into being a huge challenge faced to Chinese environmental management. Associated with the rapid economic growth and tremendous industrial prosperity, continues to be the accelerated increase of hazardous waste generation in China. Chongqing's hazardous landfill is part of this environmental management being committed with high quality lining system choosing Atarfil Geomembrane to protect the environment. Specifically, in Chongqing hazardous landfill project it was supplied the following geosynthetic products:

- Atarfil HD 2mm + Atarfil HD TMT 2mm textured geomembranes for top primary liner
- Atarfil HD1.5mm + Atarfil HD TMT 1.5mm textured geomembranes for bottom secondary liner
- GCL, Two layers of Drainage Geocomposites, Three layers of geotextiles.



In order to create a completed safe containment solution a permanent leak detection system was installed by Texplor with their MSS® system. MSS® system consists of a central station (measuring computer, processing and alarm unit), a measuring cabinets and MSS® CombiModules, which are integrated into the liner along with reference sensors and weather station.

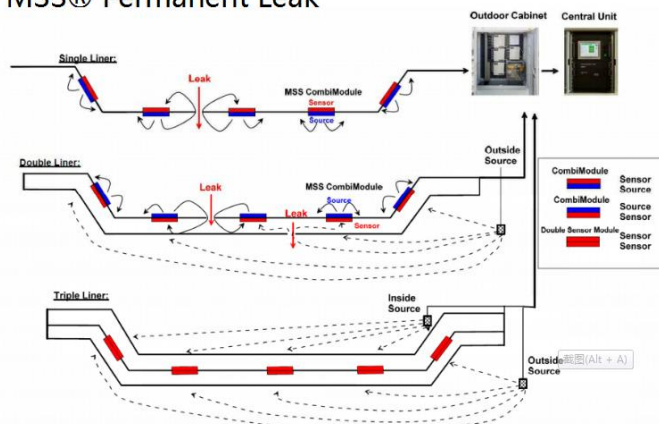
Welding of MSS CombiModule and geomembrane



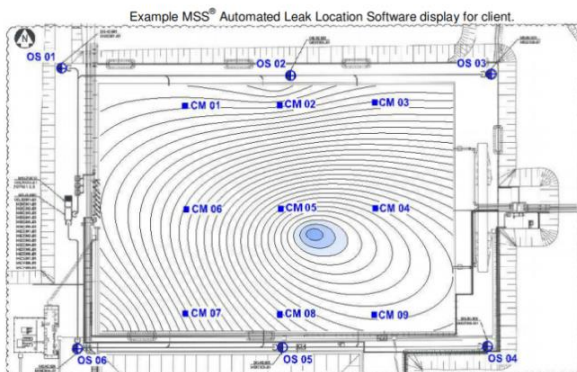
General schematic of the MSS® Permanent Leak Monitoring System

Flexibility:

- single liner;
- double liner;
- triple liner;
- composite liner



Leakage alarm and location



Multi-induction signal cloud map

Main Menu: Status view: leakage alarm at CM-003

Module	System Error	Leakage Alarm
CM-001	System Error	Leakage Alarm
CM-002	System Error	Leakage Alarm
CM-003	System Error	Leakage Alarm
CM-004	System Error	Leakage Alarm
CM-005	System Error	Leakage Alarm
CM-006	System Error	Leakage Alarm
CM-007	System Error	Leakage Alarm
CM-008	System Error	Leakage Alarm

Central computer alarm

Quantity	Material	Year
10500 m ²	Atarfil HD 1.50mm	2020
27400 m ²	Atarfil HD TMT 1.50mm	2020
10500 m ²	Atarfil HD 2.00mm	2020
27400 m ²	Atarfil HD TMT 2.00mm	2020

