

# Ube Industries Ltd., Ube Cement Plant

**Location** : 1978-96 Oaza-Kogushi UBE-CITY, YAMAGUCHI-KEN, 755-8633, Japan  
**Representative** : Kazumasa TSUNEMI

Business Classification	Capital	No. of Employees	Established
Cement manufacturing	¥43,563,000,000	5305 ( 357 in Ube Plant)	1897

**Description of Business:** Ube Cement Plant was established in 1923 and since then we have been producing various kinds of cements. The newest NSP kiln was installed in 1996. Since then high quality cement has been produced with operation management systems and integrated quality management. We strive to save energy and conserve the environment.

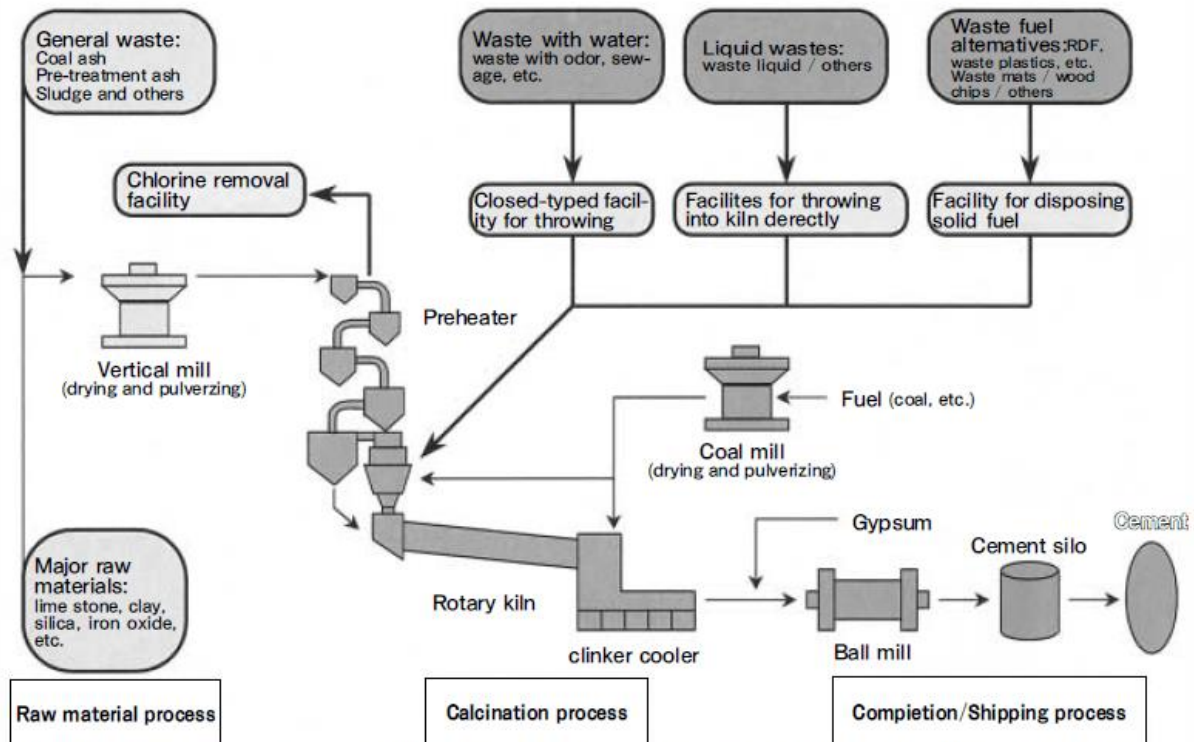
<b>Main Products and Business:</b> Cement, Perlite
<b>Main Equipment and Facilities:</b> <b>Cement;</b> Raw materials stock facility, Vertical mill (drying and pulverizing), Coal mill, NSP cement kiln, Clinker silo, Ball mill, Cement Silo, Shipping facility <b>Perlite;</b> Raw materials stock facility, Drying and pulverizing raw materials mill, Perlite kiln, Screen, Tank, Shipping facility
<b>Main Facilities for Protecting Pollution:</b> Electric dust collector, Bag filter (a collector for facilities emitting soot and smoke), Soundproof equipment
<b>Qualified Permits, Registrations and Others:</b> Industrial waste treatment for coal ash and etc. (licensed in June, 1984) / ISO9002 certification (in August, 1995) / API standard certification (in April, 1993) / ISO14001 certification (in August, 1999)
<b>Licensed and Qualified Engineers &amp; Specialists:</b> Pollution control manager (air) 1st and 3rd classes (water) 3rd class , (noise) / Energy controller (heat, electricity) / Environmental inspection engineer / Industrial waste disposable engineering managers

## Environmental Preservation Activities

<b>Environmental Pollution Prevention</b>	Prevention of air pollution, water and noise pollution, reduction of wastes
<b>Waste and its Recycling</b>	Dust such as perlite dust collected is partially recycled as cement material. Waste (coal ash) created in other companies is effectively used as cement material.
<b>Reducing use of Energy and other Resources</b>	Recycling waste energy of cement kilns , NSP (cement kiln) installation , reduction of electricity (per production) by installing the pre-pulverizing machine as in the previous process of the ball mill
<b>Earth environment</b>	Contribution to the maintenance of the global environment by saving energy and recycling as mentioned above
<b>Others</b>	Education and special education about the environment management system

Outline of Business (Flow System and Photos)

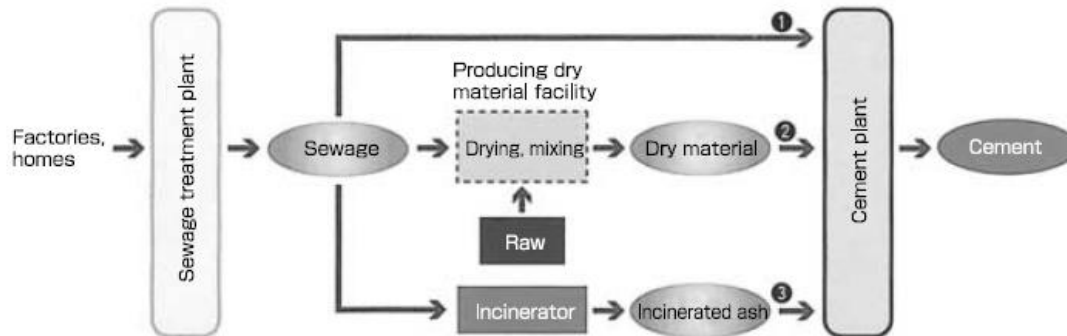
### Recycling the Waste in the Cement Production Plant



Pretreatment facility: The process of handling and preventing odor is carried out in order to bring wastes in the cement plants because wastes contain large quantities of water with strong odor.  
 Chlorine elimination facility: the facility extracts and eliminates chlorine vaporized by the preheater because chlorine causes cement quality to deteriorate and to develop problems in the facilities such as clogged pipes.

### A Case of the Sewage Treatment

It is possible to accept sewage in the following forms: 1. sewage 2. dry material 3. incinerated ash



### Further Information on Environmental Technology

Ube Industries, Ltd., Ube Cement Plant

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