

Notice regarding the commencement of operations to use municipal waste incinerator ash as raw material for the production cement through a fly ash washing system at Oita Plant

Taiheiyo Cement Corporation (Head office: Minato-ku, Tokyo, President: Shuji Fukuda) is set to establish a fly ash washing plant at its Oita Plant (Tsukumi-shi, Oita) and collect fly ash generated by local government garbage disposal facilities and use this by-product as a raw material in the production of cement.

In Japan the recycling of waste materials is gaining momentum as the country works towards realizing a recycling-based society. As part of this initiative, a portion of incinerator ash (bottom ash and fly ash) generated by garbage disposal facilities is being recycled to be used as a raw material in the production of cement. However, the majority of this ash is deposited in final disposal sites, resulting in calls for more recycling in order to extend the service life of these sites.

While bottom ash generated by garbage disposal facilities has been recycled and used as a raw material in the production of cement at the Oita Plant since 2007, amidst the current environment, in December 2016, Taiheiyo Cement entered into a three-way agreement for the promotion of a recycling-based society with the governments of Oita and Tsukumi City and took part in talks concerning the recycling of waste materials generated within Oita Prefecture. Following repeated talks concerning the recycling of fly ash for use in cement, an area in which little progress has been made due its high chlorine levels, it was decided to establish a fly ash washing plant harnessing the desalination technologies of Taiheiyo Cement at its Oita Plant. By adding this fly ash washing plant, it will be possible to recycle, not only bottom ash, but also fly ash generated in Oita and the surrounding area for use in the process for cement production. Through this initiative, Taiheiyo Cement hopes to further contribute to the realization of a recycling-based society.

<Overview of the fly ash washing plant Project>

Name	Oita Plant, Fly ash washing Plant
Location	2-1 Gonomoto-machi, Tsukumi-shi, Oita (located within the Oita Plant)
Business Outline	Desalination of fly ash for use in the production of cement
Processing Capacity	50t/day
Schedule	Start of construction from April 2018 Start of operations from April 2019 (collection/processing of fly ash)
Total Project Cost	2.1 billion yen