



TAIHEIYO CEMENT NEWS LETTER

April 23, 2018

Taiheiyo Cement Initiates Demonstration Test of Precious Metal Recovery Municipal Incinerator Ash

Taiheiyo Cement Corporation (Head office: Minato-ku, Tokyo, President: Masafumi Fushihara, hereinafter, the “Company”) is pleased to announce that the Company, jointly with ENVIPRO HOLDINGS Inc. (Head office: Fujinomiya-shi, Shizuoka, President and CEO: Tomikazu Sano) and REVER HOLDINGS CORPORATION (Head office: Chiyoda-ku, Tokyo, President and COO: Naoto Matsuoka), has initiated a demonstration test of precious metal recovery from municipal incinerator ash, etc. in a facility for a demonstration test established within the Company’s Ofunato Plant on March 16, 2018.

In urban mining terms, Japan is known as one of the world’s leading resource-rich countries, but this evaluation is from the standpoint of potential accumulation; at this time, recovery cannot be said to be sufficient. In addition, the majority of municipal incinerator ash is disposed of in landfills, and in recent years, landfills have been found to contain precious metals.

In these circumstances, the Company, jointly with ENVIPRO HOLDINGS and REVER HOLDINGS, has proceeded with a collaborative study to recover, evaluate, and sell precious metals and other materials from urban refuse incineration ash, and to recycle the residue recovered from municipal incinerator ash into cement. In November 2017, the Company began setting up a facility for a demonstration test in its Ofunato Plant, and on March 16, 2018, initiated a demonstration test.

In the demonstration test, the Company procures municipal incinerator ash, recovers precious metals, and recycles the residue recovered from municipal incinerator ash into cement, while ENVIPRO HOLDINGS and REVER HOLDINGS provide know-how on the technology for the recovery of precious metals and sells the precious metals that are recovered. In addition, the companies will consider the commercialization of the recovery and sales of precious metals, and the deployment of this business into other business establishments.

The Company is confident that this project will lead to the recycling of precious metals contained in municipal incinerator ash, which to date has not been recovered, contributing considerably to the creation of a recycling-based, sustainable society.

1. Profile of Demonstration Test Facility

Name	A facility for a demonstration test of precious metal recovery from municipal incinerator ash, etc.
Address	21-6 Atohama, Akasaki-cho, Ofunato-shi, Iwate (within Ofunato Plant)
Content of a demonstration test	A demonstration test of recovery of precious metals from municipal incinerator ash
Processing capacity	6 t/h
Schedule	A demonstration test commenced on March 16, 2018.



2. Profiles of Research Collaborators

Name	ENVIPRO HOLDINGS Inc.
Address	3507-19 Yamamiya, Fujinomiya-shi, Shizuoka
Title/Name of representative	President and CEO Tomikazu Sano
Business description	Management of group companies for resource recycling business, etc. and operations related to the business
Capital	706 million yen
Date of foundation	May 2010

Name	REVER HOLDINGS CORPORATION
Address	15F Tokyo Sankei Building, 1-7-2 Otemachi, Chiyoda-ku, Tokyo
Title/Name of representative	Chairman and CEO Takao Suzuki President and COO Naoto Matsuoka
Business description	Control of businesses of the group (recycling, waste disposal, and related business)
Capital	1,563 million yen
Date of foundation	July 2007