

## ZEON Group (Japan)

### Zeon North Co., Ltd.

#### Introduction to Zeon North Co., Ltd.

Zeon North Co., Ltd. was established as an affiliate of Zeon Corporation in April of 1972. In July 2003, it merged with the associate company Daisan Kosan and the Zeon Corporation affiliate Zeon Takaoka Analysis Center and expanded its operations to engineering, machinery sales to the aluminum industry, the environmental analysis, and product sales operations. The company runs a distinctive business that utilizes the technologies and personal connections it has built up over time, along with the advantages of its north-central Japan location.

In 2008 it opened a Kawasaki Office in Kanagawa Prefecture, a Mizushima Office in Okayama Prefecture in 2011, and a Tokuyama Office in Yamaguchi Prefecture in 2013. Zeon North is focusing its energy on expanding its engineering business through expanding its bases.



President Tatsuhiko Iwamoto



Can manufacturing and machinery plant at Zeon North Yonejima Office

#### Environmental and Safety Activities

##### 1. Safety Activities

The major cause of accidents is unsafe conduct originating with people. Human patterns of behavior, such as mistaken assumptions, carelessness, taking shortcuts, and skipping tasks, results in unsafe conduct, which can bring about accidents. In order to prevent unsafe conduct, we must establish a climate of quickly pointing out and warning others when we see violations of the rules and unsafe conduct. We are actively communicating with partner companies and promoting the elimination of unsafe conduct and the creation of a safety culture with a strong belief that all employees on worksites must not cause accidents.



Safety meeting with partner companies

##### 2. Participation in Local Environment Beautification Activities

Every year, we call for in-house participation in a local waterfront cleaning strategy (waterfront cleanup volunteers) from everyone working at Zeon North along with their families. In 2013, 38 people participated in the Himi Waterfront Cleanup, and 43 in the Kokubu Beach Waterfront Cleanup. In the refreshing early morning climate, everyone worked together to sort and collect the garbage that had gathered on the beach. This activity helped us to understand the effect of our actions on the environment, and it was a good chance to raise our awareness of environmental conservation.

### 3. Environmental Data

| Zeon North Co., Ltd.                          |   | FY2009 | FY2010 | FY2011 | FY2012 | FY2013 |
|---|---|--------|--------|--------|--------|--------|
| Substances covered by PRTR law                | Number of substances                              | 0      | 0      | 0      | 0      | 0      |
|   | Consumption (tons)                                | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
|   | Amount emitted (tons)                             | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| Industrial waste                              | Amount generated (before volume reduction) (tons) | 38     | 36     | 38     | 25     | 20     |
|   | Amount sent to landfill (tons)                    | 14     | 8.0    | 5.0    | 5.2    | 3.1    |
| CO <sub>2</sub> emissions (tons)              |   | 152    | 155    | 160    | 152    | 146    |
| Energy consumption (crude oil equivalent, kL) |   | 76     | 84     | 80     | 85     | 85     |

### Activities with the Local Community

#### Participation in Fire Drill Competition

Zeon Corporation and its Takaoka Plant participate as the Zeon Takaoka Group every year in the Self-Defense Fire Brigade Fire Drill Competition hosted by the Takaoka City Fire Prevention Management Council. In 2013, we won 2nd place in the Fire Extinguisher and Indoor Fire Hydrant Contest (Zeon Corporation's Takaoka Plant came 1st), and we were very pleased to see that the Zeon Takaoka Group took 1st and 2nd place in this event.



Self-Defense Fire Brigade Fire Drill Competition