

Complaints from the community (April, 2013 to March, 2016)

Date	Location	Details	Response
Nov. 4, 2013	Employee parking lot	Vibration from the repair work causes sand to get into the well	Solved the problem by changing the work method
April 29, 2015	Kurobe Makino Plant	Loud noises caused by setting up temporary fence at the plant. Weekdays probably cannot be avoided, but noise needs to be lowered on weekends and holidays.	Eliminated noisy construction work on weekends and holidays to every extent possible.
March 10, 2016	New employee dormitory	Concrete demolition work is loud. Noise needs to be lowered.	Lowered noise by setting up noise prevention sheet around outside scaffolding.

Latent risks and prevention

As of March 2016

Type of risk	Plant	Possible causes of explosion in cases of fire	Possible causes of explosion or leakage in cases of earthquake	Possible causes of leakage in cases of flooding
High-pressure gas	Tohoku	LPG: 12.3 t, liquid nitrogen: 8.9 t, liquid argon: 6.3 t, liquid ammonia: 1.5 t		
	Kurobe	LPG: 26.1 t, liquid nitrogen: 7.6 t, liquid argon: 2.4 t, liquefied carbon dioxide: 0.8 t, liquid ammonia: 1.8 t		
	Shikoku	LPG: 4.4 t, liquid nitrogen: 0.7 t, liquid argon: 3.5 t, liquid ammonia: 2.0 t		
	Kyushu	LPG: 49.0 t, liquid nitrogen: 2.0 t, liquid argon: 3.5 t, liquid ammonia: 2.0 t		
Dangerous substances (Heavy oil, kerosene, lubricating oil, hydraulic oil, etc.)	Tohoku		2,000 kl	
	Kurobe		1,437 kl	
	Shikoku		460 kl	
	Kyushu		345 kl	
Facilities susceptible to explosions if flooded	Tohoku	Melting furnace, boiler, concentrated sulfuric acid tank, hot-air drying furnace		
	Kurobe			
	Shikoku			
	Kyushu			
Chemicals (main chemicals subject to the Poisonous and Deleterious Substances Control Law)	Tohoku		Sulfuric acid: 186 kl, caustic soda: 87 kl, ammonia: 11 kl	
	Kurobe		Sulfuric acid: 128 kl, caustic soda: 83 kl, ammonia: 17 kl, cyanide (solid): 3 t, cyanide (liquid): 211 kl	
	Shikoku		Sulfuric acid: 55 kl, caustic soda: 172 kl, hydrochloric acid: 5.5 kl, ammonia: 2.4 kl	
	Kyushu		Sulfuric acid: 34 kl, caustic soda: 25 kl, ammonia: 4.6 kl	
Prevention	All business bases	We are implementing disaster training simulations and thorough facility disaster prevention measures to promote understanding about and manage latent risks		

Cooperation in local disaster prevention efforts (provision of disaster prevention equipment)

As of March 2016

Plant	Equipment for emergency use						Local cooperation	
	Oil adsorbing mats (Number)	Oil counteractive agents (Liters)	Oil fences (Number)	Sandbags (Number)	Alkali counteractive agents (Liters)	Acid counteractive agents (Liters)	Provision of refuge areas (Opening of sports grounds and other locations at times of disaster)	Provision of disaster prevention equipment (By request)
Tohoku	200	180	4	60	100	100	Yes	Yes
Kurobe	4,940	1,612	4	706	930	850	Yes	Yes
Shikoku	700	60	0	1,000	180	0	Yes	Yes
Kyushu	200	40	0	220	90	90	Yes	Yes