

Accidents and disasters (fiscal 2010–2012)

Date	Type	Details	Location	Response
Apr. 11, 2010	Fire	Small fire ignited in a die-casting machine at the Cimanggis plant of PT. YKK AP INDONESIA	Indonesia	Extinguished by employees
Jun. 11, 2010	Fire	Small fire ignited in a heatset machine in DALIAN YKK ZIPPER CO., LTD.	China	Extinguished by firefighters
Aug. 3, 2010	Fire	Smoke generated by a fluorescent light fixture	Kurobe	Damaged sections repaired
Sept. 17, 2010	Natural disaster	Part of the Tortosa plant roof fell in due to a downburst, causing damages to facilities and materials (no injuries) at YKK ESPAÑA, S.A.	Spain	Damaged sections repaired with materials procured from within the YKK Group
Oct. 19, 2010	Fire	The oil mist collector of a heatset machine caught fire at DALIAN YKK ZIPPER CO., LTD., burning out the facility building	China	Extinguished by employees
Oct. 25, 2010	Fire	Small fire ignited in a high-voltage panel in the switch room at YKK PAKISTAN PTE. LTD.	Pakistan	Extinguished by employees
Dec. 2, 2010	Leak	Low PCB-containing insulation oil leaked from the pressure discharge outlet of an open storage trench at the Kurobe K2 substation	Kurobe	Handled internally (no oil leaked outside the plant); Completed processing of remaining low-PCB oil
Dec. 13, 2010	Fire	Small fire ignited inside a dust collector duct of a die-casting melting furnace at the Gongming plant of YKK ZIPPER (SHENZHEN) CO., LTD.	China	Extinguished by employees
Feb. 24, 2011	Leak	Diluted lubricant leaked from the washer to the floor and indoor gutter, some leaking outside to cloud water in a gutter outside	Kurobe	Handled internally (no lubricant leaked outside the plant)
Mar. 11, 2011	Natural disaster	Damage to Northeast Japan and the Kanto area due to the Great East Japan Earthquake (Maximum seismic intensity: 7; Magnitude: 9.0)	Northeast Japan	On March 30, operations resumed On May 9, delivery of all products resumed
Jun. 1, 2011	Fire	Small fire ignited in a die-casting machine at PT. YKK ZIPCO INDONESIA	Indonesia	Extinguished by employees
Jul. 6, 2011	Fire	Small fire ignited in a dust collector at the YKK AP Tohoku Plant's Wood Building-A	Tohoku	Extinguished by employees
Jul. 2011—	Natural disaster	Concentrated heavy rain and flooding in Bangkok, Thailand	Thailand	Suspended shipments to certain customers
Jul. 29, 2011	Leak	Wastewater was colored blue by fluorescent brightener mistakenly disposed of in a drainage pit	Kurobe	Recovered within the premises (no water leaked outside the plant), completed processing of remaining oil containing low-concentrations of PCBs
Feb. 8, 2012	Fire	Small fire ignited, involving the paint roller of a clear painting machine	Kurobe	Extinguished by employees
Mar. 23, 2012	Leak	Wastewater was colored white by the accidental disposal of water used to wash a container of tinning solution	Kurobe	Recovered within the premises (no water leaked outside the plant)
Apr. 3, 2012	Natural disaster	A severe rainstorm resulted in damage to the building of the Kurobe Manufacturing Center and electrical outages at YKK AP's Mie Plant and Hokuriku PG Inc.	Japan	Dismissed nonessential staff early and undertook building repairs and the replacement of damaged facilities
Jun. 12, 2012	Natural disaster	Heavy rainfall caused flooding at a plant, forcing the suspension of production and shipments	Taiwan	Dispatched staff from Japan to help restore operations; Requested affiliates to compensate for the decline in production capacity
Jun. 19, 2012	Natural disaster	A severe rainstorm associated with Typhoon No. 4 resulted in property damage	Japan	Alerted employees; Implemented repairs and reinforcements to buildings
Jul. 27, 2012	Natural disaster	Heavy rainfall at the Lawrenceburg Plant of YKK Snap Fasteners America Inc. resulted in property damage	The United States	Instructed employees to evacuate to a storm shelter
Jul. 31, 2012	Fire	A small fire broke out in a plating facility at DALIAN YKK ZIPPER CO., LTD.	China	Made revisions to operating manuals and distributed them horizontally throughout the organization
Aug. 2, 2012	Natural disaster	A severe rainstorm associated with Typhoon No. 4 resulted in property damage	Taiwan	Temporary closure on August 2, 2012
Aug. 8, 2012	Natural disaster	A severe rainstorm in Shanghai associated with Typhoon No. 11 resulted in no property damage	China	Temporary closure on August 8, 2012
Aug. 17, 2012	Fire	A small fire broke out in a die-casting melting furnace at YKK DO BRAZIL LTDA.	Brazil	Investigated the cause of the incident and formulated countermeasures that were horizontally applied throughout the organization
Oct. 16, 2012	Natural disaster	A severe rainstorm struck a plant in Swaziland, causing damage to a portion of its exterior walls	Swaziland	Restored damaged portion of the exterior walls
Jan. 10, 2013	Fire	A fire broke out in a die-casting machine at the Jung-Li Plant of YKK TAIWAN CO., LTD.	Taiwan	Inspected the machine and resumed operations; Shared information on the incident while horizontally applying countermeasures throughout the plant
Jan. 13, 2013	Fire	A UPS device at the server room of the Shinjuku Office malfunctioned, spewing smoke	Tokyo, Japan	Investigated the cause of the incident with the cooperation of the fire department; Raised alert throughout the office
Feb. 13, 2013	Fire	A fire broke out in a die-casting machine at YKK INDIA PRIVATE LIMITED	India	Raised operators' awareness and installed fire-prevention mechanisms while sharing lessons learned from the incident throughout the organization
Feb. 17, 2013	Fire	A fire at the S&B Plant of YKK DO BRAZIL LTDA. resulted in severe damage to buildings, facilities and materials (no personnel injured)	Brazil	Extinguished by firefighters

Complaints from the community (fiscal 2010–2012)

Date	Location	Details	Response
Nov. 4, 2010	Kurobe Makino Plant	Tree branches fell from the premises of the plant on a city road near the substation, prompting a request to remove them before they affected traffic	Called Kurobe C&G Service Co., Ltd. and requested removal of the branches
May 25, 2011	Kurobe Ogyu Plant	Right next to the P2 Building, crows were building a nest on a cherry tree of the cherry tree avenue along the Kurobe River, causing damage to local residents' fields, prompting a request to remove the nest	Called the Kurobe City office and requested removal of the nest
Jul. 27, 2011	Rice field at the south side of Kurobe Makino Plant	When heavy rain falls, runoff from a manhole at the YKK facility carries gravel from a roadbed into a field, promoting a request to prevent the water from overflowing	The manhole hatch was secured and drainage channels dug to lead water to a roadside ditch
Mar. 12, 2012	Kurobe Makino Plant nearby houses	The alarm on the plant's gate had been blaring constantly from early in the morning, prompting a request to turn off an alarm	Received a report concerning the event from Kurobe Keibi K.K. and made sure that preventive measures were implemented
May 23, 2012	Koshi dormitory nearby houses	A steel plate spanning an irrigation channel across the entry of the parking area of the dormitory made an annoying sound whenever cars drove over it, prompting a request to address the situation	Reduced noise by installing noiseless grates
Jul. 24, 2012	Kurobe dormitory nearby houses	The noise generated by the dormitory's air-conditioner outdoor units was considerable, prompting a request to address the situation	Reduced noise by installing soundproof sheets

Latent risks and prevention

As of March 2013

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: 10.4 t, liquid nitrogen: 8.9 t, liquid argon: 6.3 t, liquid ammonia: 1.5 t		
	Kurobe	LPG: 31.7 t, liquid nitrogen: 11.5 t, liquid argon: 5.3 t, liquefied carbon dioxide: 4.1 t, liquid ammonia: 1.0 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	1,010 kl		
	Kurobe	1,812 kl		
	Shikoku	462 kl		
	Kyushu	410 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): 199 kl		
	Shikoku	Sulfuric acid: 55 kl, caustic soda: 172 kl, hydrochloric acid: 5.5 kl, ammonia: 2.4 kl		
	Kyushu	Sulfuric acid: 50 kl, caustic soda: 100 kl, ammonia: 4.3 kl		
Prevention	All business locations	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 2013

Plant	Equipment for emergency use						Local cooperation	
	Oil adsorb-ing mats (Number)	Oil counter-active agents (Liters)	Oil fences (Number)	Sandbags (Number)	Alkali counter-active agents (Liters)	Acid counter-active 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	24	0	1,000	180	0	Yes	Yes
Kyushu	200	40	0	200	90	90	Yes	Yes