

Major Asbestos Uses for Buildings and Facilities

(As of August 3, 2005)

Object	Asbestos-used points	Present conditions (conditions of asbestos uses, etc.)	Notes (conditions of countermeasures, etc.)	
Sprayed asbestos	Equipment and standby power supply rooms of office buildings, transformer rooms of substations, noise absorption materials (used for walls and ceilings) of power supply transformer rooms, etc.	Asbestos-used points have been grasped and being removed gradually. <ul style="list-style-type: none"> • TEPCO buildings: about 30 • Power supply transformer rooms: about 290 	Rooms are usually locked so that asbestos is unlikely to be dispersed on contacts of third persons, etc. Degradation levels and airborne asbestos density are periodically measured for safety checks. Asbestos-used points will be removed by fiscal 2006 in principle.	
Asbestos-containing products	Building materials	Fire resistant boards, etc. for buildings	<ul style="list-style-type: none"> • Building materials used in and before October 2004 apparently contain asbestos. In and after October 2004, TEPCO has never used asbestos-containing materials. 	These materials are molded products that are usually indispersible. But TEPCO will replace these materials with non-asbestos-containing materials on the occasions of periodical checks, repairs, etc.
	Noise absorption materials	Noise absorption walls, etc. for transformers (transformer and hydroelectric power facilities)	<ul style="list-style-type: none"> • About 670 units 	
	Asbestos-cement pipes	Materials for pipes for underground cables (transmission and distribution facilities)	<ul style="list-style-type: none"> • Total distance: about 160 kilometers (New asbestos-cement pipes have never been used since their production was discontinued in 1985.) 	
	Insulating materials	Power generation facilities (thermal and nuclear power generation facilities, etc.)	<ul style="list-style-type: none"> • Existing asbestos-containing products: about 90,000 cubic meters (about 40% of total) 	
	Heat resistant and fire resistant plates	Fire resistant plates for pipe bridges Heat resistant plates for power distribution towers	<ul style="list-style-type: none"> • About 90 points 	
	Wear plates	Back sides of some of home-use ampere breakers	<ul style="list-style-type: none"> • Asbestos-containing materials are used for back sides of single-phase, two-wire 30A breakers made in and before 1988: about 1.8 million units 	Asbestos-containing materials are used as wear plates for some of single-phase, two-wire 30A breakers that were made in and before 1988 and have been installed at houses of customers. These wear plates are molded products covered with metallic boards and indispersible. There are no problems with present uses. But TEPCO plans to systematically replace them while gaining approval by customers.
	Seals Joint sheets	Power generation facilities, etc. (thermal and nuclear power generation facilities, etc.)	<ul style="list-style-type: none"> • Number of existing asbestos-containing products: (Thermal) about 600,000 (about 60% of total) (Nuclear) about 500,000 (about 90% of total) (Others) about 70,000 	These materials are molded products that are usually indispersible. But TEPCO will replace these materials with non-asbestos-containing materials on the occasions of periodical checks, repairs, etc. () Some special shapes of these materials and those used at high-temperature or high-pressure points are difficult to replace at present. But TEPCO will conduct technical evaluation and promote a shift to non-asbestos-containing products.