

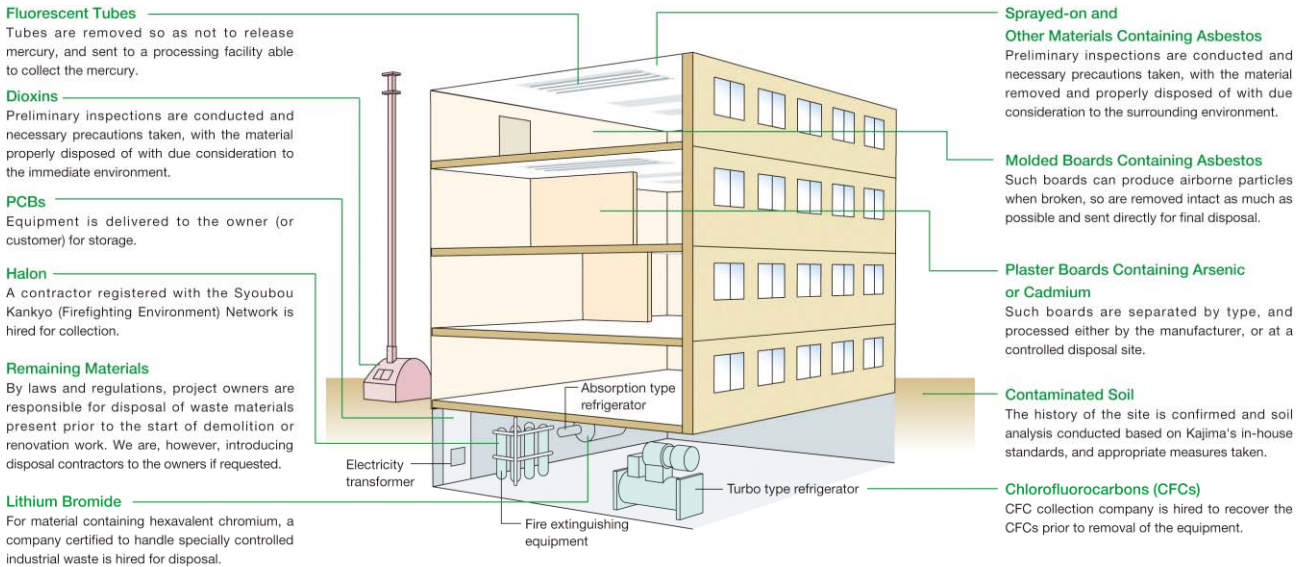
Hazardous Materials Management

Kajima identifies the hazardous materials present in a building prior to demolition work, allowing for proper management and removal.

Buildings and Hazardous Materials

A variety of hazardous materials have been used in buildings over the years, and some these remain in the buildings. Proper handling of these substances during demolition or renovation is necessary to preserve the surrounding environment, as well as ensure a safe work environment.

Kajima has compiled a list of the hazardous materials that require extra attention during demolition and renovation, as well as their location, using as an example the typical concrete building it normally handles.



Source: Ministry of Land, Infrastructure and Transport's Handling of Hazardous Substances during Demolition, etc. of Buildings

Case Study:

Kajima Develops Safe and Efficient Method for Removal of Asbestos

Kajima has developed a method to remove sprayed-on asbestos material using a water jet (patent pending) and has begun using it in actual applications. This method uses a high-pressure water jet to strip away the sprayed-on material, improving the general work environment by significantly reducing the amount of dust and the risk of airborne particles in the work area, and lowering the temperature. Cleaning of the small indentations left after the sprayed-on material had been stripped away used to be a difficult procedure, but with this method the stripping and cleaning can be done together in a short length of time, resulting in a ten-fold increase the amount of material removed during the same period. Further, by adjusting the amount of water, pressure and type of nozzle to the constituents and hardness of the material, the procedure can be used for all types of sprayed-on material.



A ceiling after the asbestos removal procedure

Amount of Dust during Removal of Sprayed-on Material

