

Abatement

Lead & Asbestos Control

Brand Energy & Infrastructure Services (BRAND®) offers clients years of lead and asbestos abatement experience. BRAND is widely regarded as a leader in providing first class abatement services to clients. With a workforce of abatement specialists, we deliver successful results on projects of every size. BRAND's abatement team possesses an average of 4 years of craft experience and maintains all of the necessary training and certification for this highly regulated field. We have extensive experience in providing abatement services for maintenance programs, turnarounds, capital projects and

emergency response situations for many of the world's largest oil refiners and chemical manufacturers. We are experienced in abating in-service equipment as well. BRAND consistently exceeds our client's expectations by providing smarter, safer and more reliable abatement solutions. We possess the necessary certifications and licensing for both industrial and public access.

Abatement Service Offerings

- › Surveys, inspections and planning
- › Monitoring and management
- › Scaffolding access
- › Encapsulation of contamination zone
- › Removal and safeguarding



more safety
more productivity

Abatement Services

The BRAND® advantage

BRAND are a fully licenced asbestos removal and ancillary works provider who can ensure you are complying with the latest health & safety process, recording and certification requirements.

BRAND offers the following expert abatement services:



Lead

Includes metallic lead, all inorganic lead compounds, and organic lead soaps. Excluded from this definition are all other organic lead compounds.

Asbestos

Asbestos includes varieties of chrysotile, amosite, crocidolite, tremolite, anthophyllite and actinolite. Asbestos containing materials (ACM) are materials that are verified to contain asbestos.

Possible asbestos containing materials (PACM) are materials that appear to contain asbestos, but that have not been tested. PACM's are treated as though they contain asbestos until they are verified. The following are building materials where asbestos may commonly be present: piping insulation, equipment insulation, mastic used on transitions, gaskets, fireproofing, floor tile, cement, paint, pipe wrapping, ceiling tile and caulk among others.

Class I Asbestos Work -

Activities involving the removal of thermal system insulation.

Class II Asbestos Work -

Activities involving the removal of asbestos containing materials (ACM) which are not thermal system insulation or surfacing material. This includes, but is not limited to, the removal of asbestos containing wallboard, floor tile and sheeting, roofing and siding shingles and construction mastics.

Class III Asbestos Work -

Repair and maintenance operations where asbestos containing materials, including TSI and surfacing ACM and PACM, are likely to be disturbed.

Class IV Asbestos Work -

Maintenance and custodial activities during which employees contact but do not disturb ACM or PACM, and activities to clean up dust, waste and debris resulting from Class I, II and III abatement activities.

Methods of Removal

Negative pressure enclosure (NPE) systems may be used where the configuration of the work area does not make the erection of the enclosure infeasible, with the following specification and work practices: the negative pressure enclosure may be in any configuration; at least 4 air changes per hour must be maintained in the

NPE. A minimum of -0.02 column inches of water pressure differential, relative to outside pressure, must be maintained within the NPE as evidenced by manometric measurements. The NPE must be kept under negative pressure throughout the period of its use, and air movement shall be directed away from employees performing asbestos work within the enclosure, and toward a HEPA filtration or a collection device.

Negative Pressure Glove Bag Systems

Negative pressure glove bag systems are used to remove lead containing materials, ACM or PACM from piping. In addition to specifications for glove bag systems, a negative pressure glove bag system must attach a HEPA vacuum system or other devices to bag and prevent a collapse during removal.

Special Scaffolding Access & Containments

Special scaffolding structures are often required to stage equipment and provide workers the access they need to work in cumbersome locations. Scaffolding structures can be erected to meet any access requirement and in a variety of structure configurations for abatement works.

> best in class safety performance

> specialty team of ~40,000 People

> 30,000+ customers ... and growing

> ~340 locations in 25 Countries

> revenues of nearly ~\$5b

> assets & equipment worth ~\$4.2b

Why BrandSafway?

Unique combination of expertise & resources

We are part of **BrandSafway**, a leading global provider of access, specialised services and forming & shoring solutions to the industrial, commercial and infrastructure end markets. With more than 340 branches all over the world, we provide support for ongoing maintenance as well as for refurbishment needs and new construction plans.

As one strong team, we support our customers:

- > **Brand Energy & Infrastructure Services** is one of the world's largest industrial services specialists;
- > **Brand Access Solutions** is the UK's largest full-service provider of scaffolding and access systems;
- > **Hünnebeck** stands for safe and highly efficient formwork, scaffolding and safety technology.



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