PURPOSE

This University of Nevada, Facilities Services Department, (FSD), Standard Operating Procedure (SOP) provides guidelines for proper methods of working on asbestos projects. The intent is to minimize and/or eliminate the possibility of exposure to airborne asbestos fibers in any and all situations.

SCOPE

The guidance in this SOP applies to all Facilities Services Asbestos projects on University of Nevada, Reno properties. These procedures are based on federal and local laws and regulations governing asbestos.

RESPONSIBILITIES

Senior Director / Director / Assistant Director

- Provide administrative and financial support for the Asbestos abatement program.
- Ensure the Asbestos Procedure is implemented and maintained within their department(s).
- Ensure employees that work, around asbestos containing material and their supervisors are asbestos trained.
- Advise all contractors about all known asbestos containing materials in areas where they will be working prior to the start of work.
- Ensure asbestos related contract specifications include stipulations for the provision of necessary copies of written safety plans, personnel certification and licensing documentation.
- Ensure third party contract specifications include stipulations for the documented use of asbestos-free materials.
• Ensure all third party contracted repair, maintenance, or renovation work have an asbestos survey completed by EH&S Environmental Specialist or a properly licensed asbestos consultant prior to the commencement of any work.

• Ensure all third party contracts contain specifications stipulating the requirements for notification of state and local authorities as per Section 5.2 b of this plan at least ten days prior to commencing any work on the project, and for the payment of necessary filing/application fees if applicable.

• Ensure contractors and Facilities Services personnel contact Environmental Health and Safety (EH&S) to obtain an asbestos survey or survey results prior to commencing repair, remodeling, or construction activities.

• Ensure all asbestos related work performed is conducted in a manner that conforms to procedures outlined in this document.

• Ensure the EH&S Department receives notification of project completion and copies of all asbestos abatement final reports.

Safety Manager
• Ensure the precautions listed in the Asbestos Program are understood and followed by all employees and contractors.
• Inform contractors and service personnel regarding the expectations of this program.
• Ensure asbestos workers are properly licensed through the State of Nevada.
• Ensure asbestos records and lab results are provided to EH&S.
• Ensure all employees that work in, on or around asbestos containing material have received asbestos training.

Facilities Supervisor
• Contact EH&S Environmental Specialist for an asbestos survey/report prior to disturbing any asbestos containing material (ACM) or Presumed Asbestos Containing Material PACM or before the execution of any renovation project or permitting any employee to disturb any potentially asbestos containing materials in accordance with the decision making flow chart in Appendix A.
• Do not disturb PACM materials in buildings. Stop work if disturbing suspect materials must be done as part of your project.
• Report all accidental disturbances of ACM/PACM to Environmental Health Specialist and have employees removed from the location.
• Submit work orders for asbestos abatement and allow for 10 working days for FMS to respond.

Program Officer (Asbestos JOC Coordinator)
• Attend asbestos awareness training.
• Oversee JOC contract associated with asbestos abatement.
• Ensure asbestos related work is performed in a manner that conforms to procedures outlined in this document.
• Ensure all third party abatement work has an asbestos survey completed by EH&S Environmental Specialist or a properly licensed asbestos consultant.
• Notify EH&S before performing third party contractor abatement work
• Conduct a closeout meeting with EH&S representatives after each asbestos abatement project. Provide all asbestos documentation to EH&S during close out meeting.
• Verify that third party asbestos workers have the required licensing.
• Notify building occupants of asbestos projects prior to beginning.
• Ensure a third party consulting firm conducts final air clearance sampling on asbestos projects of a Class I nature or on reportable projects with friable materials.

Employees
• Attend awareness level asbestos training.
• Report all damage to PACM/ACM building materials.
• Avoid disturbing PACM/ACM as part of their routine job duties.

Environmental Health and Safety Department, (EH&S)
• Provide technical information and assist FMS in the development, and implementation of the Asbestos Program.
• Provide Asbestos sampling and data collection. Make sure that Asbestos sample is taken to an accredited laboratory.
• Review and revise the Asbestos Program, as needed, for compliance with applicable regulations and process updates.
• Assist in providing Asbestos Program instruction, as needed.
• Conduct Asbestos Program safety assessments to determine if any engineering and/or other controls are needed, and how they should be implemented.
• Recommend appropriate engineering controls, administrative controls and personal protective equipment.
• Provide or make arrangements for annual Respiratory Protection fit-testing and training.
• Maintain database for all asbestos projects. Ensure that all asbestos programs are documents and recordkeeping requirements are in compliance with Federal, State and Local Regulations.
• Identify and label those areas that require asbestos warning signage.
• Conduct the original NEA air sampling and annual verification sampling and maintain all air sampling records.
• Conduct clearance sampling.
• Arrange for disposal of asbestos containing materials generated on the University of Nevada, Reno campus, with the exception of contracted asbestos abatement projects, unless determined by a Project coordinator.
• Manage and/or perform periodic asbestos inspections and air monitoring.
• Notify applicable agencies per Federal, State and Local regulations of asbestos projects.

Planning and Construction
• Attend asbestos awareness training.
• Contact EH&S early in the planning process of projects to allow adequate time for evaluation of project scope, inspections, sampling and analysis of building materials.
• Ensure an asbestos survey is conducted prior to commencement of a demolition or remodel project.
• Notify outside contractors of known ACM within the scope of their work area.
• Notify building occupants of asbestos projects prior to beginning.
• Verify that third party asbestos workers have the required licensing.
• Ensure a third party consulting firm conducts final air clearance sampling on asbestos projects of a Class I nature or on reportable projects with friable materials.
• Conduct a closeout meeting with EH&S representatives after each asbestos abatement project. Provide all asbestos documentation to EH&S during close out meeting.
• Ensure that all replacement building materials and new construction materials are asbestos free.

GENERAL

Materials that are presumed to contain asbestos are; surfacing material, or thermal system insulation in a building shall be deemed PACM unless testing has been completed by a licensed inspector in accordance with proper testing methods.

NOTIFICATIONS

Regulatory Notifications

EH&S shall notify the State of Nevada, OSHA Enforcement office of all projects greater than 10 square feet or 25 linear feet of asbestos-containing material to be removed 10 working days prior to commencement of any removal activity.

EH&S shall notify Washoe County Health, Air Quality office of all projects greater than 160 square feet and 260 linear feet of friable asbestos containing material to be removed.

Notification to Occupants Prior to Asbestos Removal Activities

Occupants of areas adjacent to planned asbestos removal projects must be notified prior to the start of removal activities. This notification may be in writing to the building occupants and must include information pertaining to what material is being removed and what measures are being taken to prevent exposure to asbestos fibers.

REGULATORY REQUIREMENTS INVOLVING ACM

Asbestos regulations categorize asbestos work into four categories:
• Class I – Removal of TSI or Surfacing Materials
• Class II – Miscellaneous materials greater than 3 square or linear feet
• Class III – Repair and maintenance that could disturb a small amount of ACM (less than 3 square or linear feet).
• Class IV – Maintenance and custodial activities that contact but do not disturb ACM such as stripping asbestos containing floor tile or painting an ACM surface.
SURVEYS/SAMPLING

Prior to any repair, renovation or demolition of building materials, EPA and the State of Nevada OSHA require that an asbestos inspection occur for ACM. Written documentation of inspection results must be maintained on the jobsite of a repair, renovation, or demolition. If ACM will be disturbed in the course of the repair, renovation or demolition activity, it must be removed prior to the commencement of the job. If it is not intended to be disturbed, it must be accounted for and protected from accidental or incidental disturbance by all the construction trades and University employees. Asbestos surveys must be conducted by a licensed consultant. Sampling shall only be done by an accredited inspector. Analyses of any asbestos sample must be conducted by an accredited laboratory for the type of test being conducted.

To request an asbestos inspection for renovation or demolition purposes, submit an asbestos survey request work order to EH&S. Allow 10 working days for scheduling. An asbestos survey request can be found on the Facilities Services webpage under forms. Complete the form and provide a map listing the locations that sampling needs to be conducted.

All inspectors engaged in sampling of ACM shall have the proper certifications and training from the State of Nevada required during the inspection and sampling of ACM. If their certifications and training are out of date, they must not conduct sampling.

Surveys will contain a summary page identifying the project area, the date of the inspection, the materials sampled and results of the sampling.

ASBESTOS ABATEMENT

An asbestos survey must be conducted to determine if asbestos containing materials are present. If no survey is conducted, the materials will be removed as PACM. All asbestos requests require an Asbestos survey request to be completed and turned into EH&S. A map of the sampling location must accompany the asbestos survey request.

The occupants of the location must be advised of any asbestos project taking place in their location. Signs will be posted at building entrances one working day prior to the start of an abatement project.

An area baseline air sample for Class I abatement projects and annually in facilities for all Class II removal projects. Contractors shall provide submittal documents, (licensing, certification, fit tests, notifications) prior to the start of any project.

Only workers certified as asbestos workers and supervisor may perform asbestos abatement work for an asbestos project. A certified supervisor must be present at the site of any asbestos activity taking place as part of a project. Certifications are issued by the State of Nevada, OSHA Enforcement Office.
EXPOSURE MONITORING

EH&S may conduct exposure monitoring during asbestos work and clearance monitoring at the completion of asbestos work. Additionally, EH&S may collect baseline air samples from the work site prior to asbestos work. If the potential exists for the release of fibers to the extent that the PELs may be reached, EH&S will establish a full personnel protection and monitoring program for the project in question. At present the PELs for asbestos are 0.1 fibers per cubic centimeter of air as an 8-hour time weighted average and 1.0 fibers per cubic centimeter of air as averaged over a 30-minute period. Personnel monitoring will be performed during the asbestos work to demonstrate that breathing zone concentrations were maintained below the PELs.

PROHIBITED ACTIVITIES

The following work practices shall **not** be used for any work that disturbs ACM, PACM, or materials that contain asbestos regardless of the measured exposure level to the employee:

- High-speed abrasive disc saws without point of cut ventilation to HEPA filtered vacuums or HEPA shrouded equipment.
- Compressed air.
- Dry sweeping, shoveling or other dry cleaning method of ACM or dust and debris containing ACM and PACM.
- Employee rotation as a means to reduce employee exposure to asbestos.

ASBESTOS EMERGENCIES

FMS and EH&S will be notified if any asbestos emergencies arise. Only licensed asbestos workers can respond to clean up known ACM or PACM. Emergencies which require quick response to mitigate damage or prevent further serious damage to a building or its occupants in which ACM or PACM has been damaged and has the potential to become airborne. In the event of an emergency during working hours, contact the service center immediately.

The following steps will be taken after notification:

- Isolate and secure the area.
- Post warning sign on doors or in the area.
- If possible, turn off fans, shut windows, and seal the ventilation system to prevent migration of fibers.
- Contact your supervisor and the service center (784-8020) and notify Work Control Center.
- After hours and on weekends, contact the on-call supervisor (771-3580) and identify that this is an asbestos emergency. The on-call supervisor will notify the appropriate asbestos contractor.
PERIODIC INSPECTIONS

Certified asbestos inspectors should conduct periodic inspections:
- Friable ACM and non-friable ACM for damage or deterioration routinely and report to EH&S Environmental Specialist.
- Assess and document any changes in the ACM’s conditions.
- Investigate the source of debris found by FMS Staff.
- Inform EH&S of any changes to asbestos conditions on campus.

TRAINING

There are various levels of training required depending on the type of involvement with asbestos materials. University personnel involved in the removal of asbestos containing materials must have training appropriate to their assigned job duties. Individuals must comply with the requirements of the EPA’s Model Accreditation Plan (MAP) for asbestos abatement project supervisors and workers.

Orientation

Awareness level training will be provided for all Facilities Services Employees at their time of hire or when transferred into the department. The training will include:
- Background information on asbestos
- Health effects of asbestos
- Worker protection programs
- Locations of ACM on campus and where it can be expected to be found
- Recognition of ACM damage and deterioration
- The O& M program for campus
- What to do during unexpected disturbance of ACM

Custodial

OSHA requires asbestos training for employees exposed or anticipated to be exposed to fiber levels at or above the permissible exposure limit as a 9 hour TWA and/or the excursion limit.

Non-Asbestos Contractor Training

All outside contractors shall be notified of the presence of ACM prior to beginning work. All contractors shall provide general awareness training for any of their employees working on campus in the event unexpected ACM or PACM is discovered during work. Contractors shall notify their point of contact in the event that PACM/ACM are discovered during work activity.

Asbestos Contractors Training

Asbestos Contractors must be licensed for the type of work they are preforming. The following documents must be maintained at the site of a project for the abatement of asbestos:
• The contract or specifications for the project.
• The results of all required air testing, name and license number of the monitor, and laboratory used for analysis.
• A complete list of the names of abatement workers, supervisors, and other employees or agents participating in the project.
• A log containing the names of persons who entered and exited the containment area and the times of their entry and exit.

DISPOSAL

Asbestos contractors are responsible for disposal of all ACM/PACM they generate. They are prohibited from using EH&S hazardous waste disposal.

Asbestos waste is the responsibility of the owner. Transportation of asbestos waste requires proper classification, packaging, labeling and documentation. Contractors disposing of asbestos must provide documentation of disposal.

REGULATED AREAS

Regulated areas must be established whenever the airborne concentrations of asbestos and/or PACM are in excess of the TWA and/or excursion limit. Regulated areas shall be demarcated from the rest of the workplace in a manner that minimizes the number of persons who will be exposed to asbestos. Assess into a regulated area shall be limited to authorized persons. Each person entering a regulated area shall use a respirator after following the requirements for respirator use per OSHA requirements. Eating, drinking, smoking, chewing tobacco or gum or apply cosmetics are prohibited in a regulated area. Regulated areas shall be marked with an Asbestos sign.

PROJECT PLANNING

Project Notification

Asbestos abatement projects require a notification to the State of Nevada OSHA Enforcement Section. The notification form must be submitted 10 days prior to any on-site work for an asbestos project. EH&S will be responsible for all notifications.

Emergency asbestos project notification can be made when any activity for the abatement of asbestos requiring immediate action for safety or the protection of the public health, which is not planned but results from a sudden, unexpected event. The term includes projects required because of non-routine failures of equipment. Notification to the NV OSHA Enforcement Section no later than 24 hours after the commencement of the project and give written notification of the project no later than 48 hours after emergency commencement begins.

Ensure contractors are licensed through the State of Nevada for the type of work they are performing. Have a pre-construction meeting. An asbestos plan must be developed by a
licensed contractor. The plan will discuss methods used to establish containment, protect employees in containment, methods to remove asbestos using engineering controls and safe work methods, methods to safely remove asbestos, methods to transport asbestos and documentation requirements and methods to monitor both workers and occupant’s air quality.

Area air sampling must be performed once containment is complete. The results will be forwarded to the asbestos project coordinator daily. Any results above the occupant level will require immediate termination of the project until the causation of release can be determined. NV OSHA will be notified as per statute.

The contractor is responsible for individual air sampling of employees working inside containment.

The contractor must have licensed asbestos workers and licensed asbestos supervisors to adequately perform the scope of work. The asbestos licensed supervisor’s name(s) will be posted whenever there is activity taking place.

Access to the containment area will be restricted. Signage stating “Danger – Asbestos Removal – No Admittance” will be posted at all entrances to the containment.

Contractor will provide daily results of negative pressure reading. If a negative pressure cannot be maintained, all activity must cease until the negative pressure in containment is restored.

FINAL CLEARANCE

A final clearance from approved monitoring methods must be obtained before any occupants are permitted into any location that an asbestos project has taken place. After all ACM material has been removed and the work area has been washed and vacuumed using a High-efficiency particulate arrestance (HEPA) air filtration vacuum, the work area must be:

- Inspected by a licensed monitor
- Re-cleaned if and when necessary
- Allowed to dry completely

The licensed monitor shall conduct air samples using aggressive sampling methods and collect 5 air monitoring samples from each containment area. The minimum air sample volume must be 1,200 liters sampled at a maximum flow rate of 10 liters per minute. The average concentration of airborne asbestos fiber in the final clearance test must be equal to or below 0.01 fibers per cubic centimeter of air. UNR will not conduct air sampling for sub-contractors.

DOCUMENTATION / RECORDKEEPING

Copies of all documentation related to asbestos activities including the consultant and contractor final reports and waste disposal manifests must be provided to Environmental Health and Safety within 30 days of the completion of an abatement project.
Environmental Health and Safety shall be responsible for maintaining and archiving all asbestos related documentation for the time mandated by federal regulatory requirements.

All asbestos paperwork shall be maintained for 30 years. Training documentation will be maintained in each employee’s personnel file.
DEFINITIONS

**Abatement** - any act which is intended to reduce, eliminate or encapsulate asbestos or materials containing asbestos.

**Abatement worker** - any person who is licensed by the Enforcement Section in a nonsupervisory capacity, to clean, handle, repair, remove, encapsulate, enclose, haul, dispose of or otherwise work with materials containing asbestos.

**Accredited** - the formal approval of a person’s credentials given by the State of Nevada OSHA, Enforcement Section, or an authority approved by the Enforcement Section, based on the person’s training, experience and education.

**Activity for the abatement of asbestos** - any process related to the job set-up, removal, encapsulation, enclosure, renovation, repair, demolition, construction, alteration or maintenance of material containing asbestos.

**Aggressive sampling** – a method of sampling in which the act of collecting the samples creates the motion of matter during the sampling process, stirs up settled dust or stimulates the movement of materials in an area of a structure.


**Amended Water** – water to which a wetting agent has been added. A typically wetting agent is detergent.

**Asbestos** - “Asbestos” has the meaning asbestiform varieties of:
(a) Chrysotile (serpentine);
(b) Crocidolite (riebeckite);
(c) Amosite (cummingtonite-grunerite);
(d) Anthophyllite;
(e) Tremolite; or
(f) Actinolite.

**Asbestos Containing Material** – “ACM” means all materials containing greater than 1% asbestos by weight.

**Asbestos fiber** - a particulate form of asbestos which is 5 micrometers or longer with a length-to-width ratio of at least 3 to 1.

**Asbestos Abatement Project** – in Nevada, the abatement of ACP or PACM in amounts greater than 25 linear feet of material containing asbestos located on pipes or ducts or more than 10 square feet of any other material containing asbestos.
**Building** – a roofed or walled structure built for permanent use, including any associated external or internal mechanical system.

**Building / Facility Owner** – the legal entity, including a lessee, which exercises control over management and record keeping functions relating to the building and/or facility in which activities covered by the asbestos standard.

**Bulk Material Samples** – samples of ACM or PACM materials collected from areas of proposed construction or remodeling related activities. Normal sample process involves the extraction of a core sample of the material in question.

**Category 1 Non-Friable Materials** - asbestos containing packing, gaskets, resilient floor coverings and asphalt roofing products.

**Category 2 Non-Friable Materials** - non-friable asbestos containing products that are not Category 1 materials, such as various transite cement products.

**Certified Asbestos Consultant** – An asbestos consultant certified by the State of Nevada, OSHA Enforcement Section.

**Class I asbestos work** - the removal of thermal system insulation (TSI) and sprayed-on or troweled-on (surfacing) ACM or PACM.

**Class II asbestos work** - the removal of ACM or PACM that is not TSI or surfacing ACM or PACM, including, but not limited to, floor tiles, ceiling tiles, exterior siding, ACM cement pipe, etc.

**Class III asbestos work - repair** and maintenance operations that are likely to disturb ACM or PACM which removes less than 1 glove bag of material (measuring 60 by 60 inches or less).

**Class IV operations** - custodial and housekeeping operations where minimal contact with ACM or PACM may occur.

**Containment area** - a negative pressure enclosure containing a project for the abatement of asbestos, emergency asbestos project or decontamination enclosure system which is configured so as to isolate those activities from areas which are to remain uncontaminated.

**Contractor** - a contractor, as that term is defined in NRS 624.020, who is involved in a project for the abatement of asbestos.

**Core Samples** – a bulk material sample that penetrated to the full depth of the construction material being sampled.

**Demolition** - the wrecking or taking out of any structural member and any related razing, removing or stripping of asbestos.
**Disturbance** - defined by OSHA to mean activities that disturbs ACM or PACM, crumble or pulverize ACM or PACM, or generate visible debris from ACM or PACM.

**Emergency asbestos project** - any activity for the abatement of asbestos requiring immediate action for safety or the protection of the public health, which is not planned but results from a sudden, unexpected event. The term includes projects required because of non-routine failures of equipment.

**Employee** - an employee, as that term is defined in NRS 618.085, who is required, directed, allowed or permitted by his or her employer to engage in any employment at any place where an activity for the abatement of asbestos is being performed.

**Encapsulation** - Asbestos-containing material coated with a penetrating or bridging sealant to prevent release of asbestos fibers into the air.

**Enclosure** – Asbestos containing material physically separated from the building environment by means of erecting a permanent airtight barrier.

**EPA** - “EPA” means the Environmental Protection Agency.

**Excursion Limit** – exposure to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter or air (1 f/cc) as averaged over a sampling period of thirty (30) minutes as determined by the method prescribed in Appendix A.

**Fiber** – a particulate form of asbestos 5 micrometers or longer, with a length-to-diameter ratio of at least 3 to 1.

**Friable material containing asbestos** - a substance containing asbestos which can be crumbled, pulverized or reduced to powder by hand pressure.

**High-Efficiency Particulate Air (HEPA) filter** – a filter capable of trapping and retaining at least 99.97 percent of 0.3 micrometer diameter mono-disperse particles.

**Inspector** - a licensed consultant who is specially accredited to:
1.  Determine the presence, condition and location of building material that is material presumed to contain asbestos; and
2.  Collect samples of building material to determine the amount of asbestos in the material.

**License** - an authorization issued by the Enforcement Section to engage in a project for the control of asbestos in a specific occupation.

**Licensed consultant** - any person who is licensed by the Enforcement Section to be directly involved with providing consultant services regarding the control of asbestos and who is accredited as:
1. An inspector;
2. A management planner;
3. A monitor;
4. A project designer; or
5. Any combination thereof.

Licensee - any person who is licensed by the Enforcement Section pursuant to NAC 618.850 to NAC 618.986.

Lock down - the process of spraying the work area with an encapsulant or other material as a measure to prevent any remaining materials containing asbestos from becoming airborne after the abatement of asbestos is completed.

Maintenance - any act intended to preserve or sustain the integrity of a structure, material or apparatus.

Management planner - a licensed consultant who is specially accredited to assess the hazards of material containing asbestos in order to determine the appropriate response actions and to write management plans.

Material containing asbestos - any material which is determined to contain more than 1 percent asbestos. The term includes “asbestos-containing material” and “ACM,” as those terms are defined in Part 763 of Title 40 of the Code of Federal Regulations.

Material presumed to contain asbestos - thermal system insulation, surfacing material or flooring material found in a building or structure which may contain asbestos.

Monitor - any licensed consultant who is specially accredited to oversee projects for the abatement of asbestos and monitor the quality of air and who authorizes the final clearance for projects for the abatement of asbestos.

Nonfriable material containing asbestos - a substance containing asbestos which cannot be crumbled, pulverized or reduced to powder by hand pressure.

Occupant - any person who is physically located under or within a structure or building. The term does not include a person who is involved in an activity for the abatement of asbestos.

Operations and Maintenance (O&M) – Specific procedures and practices developed for the interim control of asbestos containing materials in buildings until they are removed.

Owner of a building or structure - a person, including a lessee, who exercises control over a building or structure.

Permissible Exposure Limit (PEL) – defined as 0.1 fibers/cubic centimeter of air in an 8 hour TWA.
Plan for the abatement of asbestos - the written specifications for a project for the abatement of asbestos which are set forth in 29 C.F.R. § 1910.1001 and 29 C.F.R. § 1926.1101 and a drawing that indicates the location of that project.

Presumed Asbestos Containing Material “PACM” - means any material that is likely to contain asbestos which has not been positively identified through analysis by a National Institute for Standards and Technology (NIST) or EPA accredited laboratory.

Project designer - any licensed consultant who is specially accredited to formulate plans and write specifications for conducting projects for the abatement of asbestos.

Project for spot repairs - any activity for the abatement of asbestos which encompasses not more than 25 linear feet of material containing asbestos located on pipes or ducts or not more than 10 square feet of any other material containing asbestos. The term does not include large projects which are divided into smaller segments.

Project for the abatement of asbestos – any activity for the abatement of asbestos involving more than 25 linear feet of material containing asbestos located on pipes or ducts or more than 10 square feet of any other material containing asbestos. The term includes activities for the abatement of asbestos, but does not include projects for spot repairs if the number of procedures can be predicted within 1 year and the material containing asbestos to be disturbed exceeds these limits.

Regulated Asbestos Containing Material (RACM) – those friable materials containing greater than 1% asbestos by weight; Category 1 non-friable material that has become friable; Category 1 non-friable material that will be subjected to grinding, cutting, sanding or abrading; and Category 2 non-friable material that will have a high probability of being crumbled, pulverized or reduced to a power by a demolition/renovation activity.

Removal - the stripping of any material containing asbestos from surfaces or components of a structure.

Renovation - altering in any way one or more components of a structure.

Repair - the restoration of material containing asbestos that has been damaged, to seal exposed areas where asbestos fibers may be released. The term includes the repair of enclosures around materials containing asbestos.

Structural member - any part of a structure which supports a load, including beams, walls which support loads and walls which do not support loads.

Structure - any man-made object composed of a number of parts that are interdependent and form a definite pattern of organization, including any internal or external mechanical systems.
**Supervisor** - any abatement worker who is licensed by the Enforcement Section to be a contractor’s competent person.

**Surfacing material** - material that is sprayed or troweled on or otherwise applied to a surface.

**Thermal system insulation “TSI”** - material applied to pipes, fittings, boilers, breeching, tanks, ducts or structural components to prevent the loss or gain of heat. Should be treated as PACM until tested.

**Training course approved by the EPA** - a training course approved by the EPA pursuant to the Model Contractor Accreditation Plan for States contained in Appendix C of Subpart E of Part 763 of Title 40 of the Code of Federal Regulations, as it existed on January 1, 1989.

**Training day** - a day of training equal to 8 hours, including breaks and lunch.


**IMPLEMENTATION**

Each FSD supervisor is responsible for the implementation of this policy within respective area(s) of responsibility.

**COMPLIANCE**

Compliance with all UNR and FSD policies and procedures is required of each employee. Failure to comply with this SOP may result in disciplinary action as outlined in the Nevada Administrative Code, the Nevada System of Higher Education Prohibitions and Penalties, and/or the Nevada System of Higher Education Board of Regents Handbook.

References:

University of Nevada, Reno – Environmental Safety and Health Department, Asbestos Program

Nevada Revised Statutes 618.770 – 618.850

Nevada Administrative Code 618.850 – 618.986


29 CFR 1926.1101, Subpart Z – Toxic and Hazardous Substances – Asbestos