

**SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY
LEAD, SOUTH DAKOTA**

REQUEST FOR PROPOSAL

**ASBESTOS SERVICES
MACHINE SHOP**

RFP Posted:	January 11, 2019
Mandatory Site Visit:	January 18, 2019 8:30 A.M. (RSVP by January 15th, 2019)
Questions Due	January 24, 2019 2:00 P.M.
Questions & Answers Posted:	January 29, 2019 2:00 P.M.
Proposals Due Date:	February 4, 2019 2:00 P.M.

This Request for Proposal (RFP) is issued by the South Dakota Science and Technology Authority (SDSTA) is seeking proposals for remediate asbestos contaminated materials (ACM) and lead paint in the Machine Shop Complex located at the Sanford Underground Research Facility located in Lead South Dakota.

The Machine Shop Complex is sub-divided into three adjacent buildings: The Machine Shop, the Iron House and the Motor Repair Shop. The main structure, referred to as the Machine Shop, is 22,000 square-foot wood post and beam building with sheet metal siding and a combination synthetic and steel-sided pitched roof. The Iron House is steel supported, 5,500 square-foot building with a wood-asphalt flat roof. The Motor Repair is 2,000 square-foot concrete block building with a flat synthetic roof. There is limited power in the Machine shop and Motor Repair for lights and other small appliances. There is no on-demand power for the Iron House. All the buildings are unheated. Access to the Machine Shop (post and beam) is through two doorways and two, large sliding doors on Ellison Street. Access to the Iron house is through a sliding door from the Machine Shop and from the west end. Access to Motor Repair is through a double door to the outside and through a single door to the Machine Shop.

- A. Request for Proposal (RFP)
- B. Draft Contract (2018-32)
- C. Machine Shop Schedule A & B Proposal Sheet

1.0 SCOPE OF WORK: Provide services to remove friable asbestos and abate lead paint from inside the building(s) of the Machine Shop Complex so the building can be demolished. Friable asbestos quantities and type are identified in Schedule A. Non-Friable asbestos will be addressed by a demolition contractor. Criteria for contractor selection will be the method in which the asbestos will be removed from each area (i.e., glovebag, negative pressure enclosure, wrap and cut, scraping, vacuuming etc.)

Contractor selection will entail evaluating the lead abatement method and cost for each of the two areas (Schedule B). It is mandatory for the selected contractor to view these areas to consider the work area and the condition of the paint to help select the abatement process. It is important to justify the selected process.

Contractor will be responsible for the management of the hazardous waste (lead paint) collected during remediation. The contractor should place the waste paint in DOT approved (minimum of 1A2/Y400/S/) 55-gallon drums. These drums should be in good condition with no dents or rust. The drums should be marked in accordance with hazardous waste regulations.

Sanford Laboratory will employ a Licensed Asbestos and Lead Remediator (Anderson Environmental Services) to help with the proper execution of work. Anderson's role includes but is not limited to:

- i. Ensure the asbestos remediation and lead abatement plans are carried out in accordance with regulatory requirements
- ii. Assists with the Contractor's Quality Plan
- iii. Performs ambient monitoring
- iv. Performs clearance sampling

2.0 PRPOSAL REQUIREMENTS:

2.1 Cover Letter

Include contact information, including an email address, for the team's designated contact person who can receive and distribute RFP information on behalf of the team.

2.2 Firm Qualifications

Provide firm descriptions and evidence of qualifications to address the scope described in this document. Provide three to five examples of projects performed that demonstrate the qualifications and competence for each of the disciplines/requested areas of expertise. Provide client references.

2.3 Individual Qualifications

Provide resumes for all key project staff for each discipline. Biographies should include: Experience with similar relevant projects. Education and registrations.

2.4 Project Understanding and Approach

Provide a brief description of your understanding and approach to the project.

2.5 Support Overview

Describe vendor support during and after implementation, including response times.

2.6 Quality Assurance

Provide a copy of your quality control and assurance programs. Describe your testing and support plan.

2.7 Exceptions

Describe any exceptions to General Provisions and Terms and Conditions. Disclose any existing relationships and previous work with Sanford Lab.

2.8 Rates and Fees (see Schedule A)

2.8.1 Provide mobilization and demobilization costs if not included in the unit cost.

2.8.2 Provide overhead costs (licenses, fees, disposal, transport, if not included in the unit cost).

2.8.3 Provide *identified* unit costs as described in Schedule A.

2.8.4 Provide unit costs *for un-identified* materials if different from 2.8.3.

2.8.5 Provide *all other costs* not identified or attributable to Schedule A.

2.8.6 Provide labor rates.

2.8.7 Provide work experience on all anticipated on-site supervisors that will be assigned to the project.

2.8.8 Provide a company health and safety plan and your respective OSHA 300 logs for the past three (3) years.

2.8.9 Provide Firm's previous asbestos removal experience.

2.8.10 Provide asbestos removal plan/methodology.

3.0 GENERAL REQUIREMENTS:

- Contractor shall meet certification requirements for the State of South Dakota.
- Each Bidder shall have a South Dakota Contractor's License.
- All asbestos workers and supervisors must have successfully completed an EPA approved training course and be AHERA certified, including South Dakota state certification. The contractor shall assume full responsibility and liability for the compliance with all applicable Federal, State, and local regulations pertaining to work practices, hauling, disposal, and protection of work.
- The contractor is responsible for notifying other contractors, SDSTA employees and any other person visiting the site about the work being performed.

- The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State, and local regulations.
- The Contractor shall hold the Owner and Owner's Representative harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other regulation on the part of himself, his employees, or his subcontractors.
- Federal Requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:
 - U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA), including but not limited to:
 - Occupational Exposure to Asbestos, Tremolite, Anthophyllite, And Actinolite; Final Rules Title 29, Part 1910, Section 1001, and Part 1926, Section 1101 of the Code of Federal Regulations.
 - Respiratory Protection Title 29, Part 1910, section 134 of the Code of Federal Regulations
 - Construction Industry Title 29, Part 1926, of the Code of Federal Regulations
 - Access to Employee Exposure and Medical Records Title 29, Part 1910, Section 2 of the Code of Federal Regulations
 - Hazard Communication Title 29, Part 1910, Section 1200 of the Code of Federal Regulations
 - Specifications for Accident Prevention Signs and Tags Title 29, Part 1910, section 145 of the Code of Federal Regulations U. S. Environmental Protection Agency (EPA) including but not limited to:
- State requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:
 - South Dakota Codified Law (SDCL) 34-44 This Law authorized the establishment of an asbestos control program and established fees and penalties. Dated March 3, 1988 as amended
 - Administrative Rules of South Dakota (ARSD) 74:31 Asbestos Control Program June 5, 1988 as amended
 - Abide by all local requirements, which govern asbestos abatement work or hauling and disposal of asbestos waste materials.
 - Standards which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:
 - American National Standards Institute (ANSI)
 - 1430 Broadway New York, New York 10018 (212) 354-3300
 - Fundamentals Governing the Design and Operation of Local Exhaust Systems Publication Z9.2-79
 - Practices for Respiratory Protection Publication Z288.2-80
 - American Society for Testing and Materials (ASTM)
 - *1916 Race Street Philadelphia, PA 19103 (215) 299-5400*
 - Specification for Encapsulants for Friable Asbestos Containing Building Materials Proposal P-189
 - Safety and Health Requirements Relating to Occupational Exposure to Asbestos E 849-82

- 1926.1101: Asbestos Standard for Construction -Building and Construction Trades Department. AFL-CIO
 - “Guide Specification -02080 Asbestos AIA Service Corporation 1735 New York Ave. E NW, Washington, DC
 - Guide Specification for the Abatement of Asbestos Release
 - From Spray or Trowel Applied Materials in Buildings and Other Structure Designs.
 - Asbestos Control Program NBSIR 87-2688
 - Guidelines for Assessment and Abatement of Asbestos-Containing Material in Buildings May 1983
 - U.S. Department OF Commerce National Bureau of Standards
 - National Engineering Lab Center for Building Technology
 - Technical Specifications for Term Construction Contract Asbestos Abatement
- Project Design requirements specified in the document listed immediately below:
- EPA requirements which discuss asbestos abatement work or hauling and disposal of asbestos waste materials are listed below for the contractor’s information only. These documents do not describe the work and are not a part of the work of this contract. EPA maintains an information number (800)-334-8571, publications can be ordered from (800)-424-9065 (554-1404 in Washington, DC):
- Asbestos-Containing Materials in School Buildings A Guidance Document. Parts 1 & 2. (Orange Books) EPA C00090 (out of print)
 - Guidance for Controlling Asbestos-containing Materials in Buildings (Purple Book) EPA 560/5-85-024
 - Friable Asbestos-containing Materials in Schools: Identification and Notification Rule (40CFR Part 763), Evaluation of the EPA Asbestos-in-Schools Identification and Notification Rule. EPA 560/5-84-005
 - Asbestos in Buildings: National survey of Asbestos-Containing Friable Materials. EPA 560/5-84-006
 - Asbestos in Buildings: Guidance for service and Maintenance Personnel. EPA 560/5-85-018
 - Asbestos Waste Management Guidance. EPA 530-SW-85-007 Asbestos Fact Book. EPA Office of Public Affairs
 - *Asbestos in Buildings. Simplified Sampling Scheme for Friable*
 - Surfacing Materials Commercial Laboratories with Polarized Light Microscopy Capabilities for bulk asbestos identification
 - A Guide to Respiratory Protection for the Asbestos Abatement Industry. EPA-560-OPTS-86-001.
 - Procurement under Assistance Agreements 40 CFR Part 33, FRL 2210-3 Federal Register, Vol. 48 No.60 March 28, 1983, P12922-12938
 - Asbestos-containing Materials in Schools Final Rule and Notice 40 CFR Part 763, Federal Register, Vol. 52, No 210, December 14, 1987, P41826-41905
 - National Emission Standards for Hazardous Air Pollutants, Asbestos NESHAP Revision Final Rule. November 20, 1990.

4.0 CONTRACTOR PROVIDES:

- Contractor will provide their own source of electrical power if required beyond lighting.
- Contractor will provide sanitary facilities

- Contractor will provide approved disposal dumpsters and hauling to landfill.
- Contractor will provide the required water for wetting.
- Contractor will be responsible for the disposal of any contaminated water.
- Contractor will be responsible for the collection of lead debris (hazardous waste) and comply with hazardous waste satellite accumulation regulations.
- Contractor may choose method of removal, i.e., glovebag, negative pressure enclosure, drums, or wrap and cut.
- Contractor is responsible for complying with the following regulations and documents for asbestos and lead removal/abatement. (SDSTA preference)

Lead-bearing paint exists throughout the Machine Shop. Sanford Laboratory is requesting lead paint abatement in the Iron House Dry and the Motor Repair ceiling. Abatement options may include, but are not limited to, one or a combination of the following:

1. Hand scraping areas of loose paint (paint debris collection needed);
 2. Spraying chemical fixer product onto loose paint areas (no paint debris collection needed of sprayed areas, but unattached paint waste must be collected);
 3. Blasting (contractor could use sand media, or a media that fixes lead so debris is a solid waste); or,
 4. Power washing (proposal will need to address wastewater collection/management and waste paint collection).
- a. U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA), including but not limited to:
 - b. Occupational Exposure to Asbestos, Tremolite, Anthophyllite, And Actinolite; Final Rules Title 29, Part 1910, Section 1001, and Part 1926, Section 1101 of the Code of Federal Regulations.
 - c. Respiratory Protection Title 29, Part 1910, section 134 of the Code of Federal Regulations
 - d. Construction Industry Title 29, Part 1926, of the Code of Federal Regulations
 - e. Access to Employee Exposure and Medical Records Title 29, Part 1910, Section 2 of the Code of Federal Regulations
 - f. Hazard Communication Title 29, Part 1910, Section 1200 of the Code of Federal Regulations
 - g. Specifications for Accident Prevention Signs and Tags Title 29, Part 1910, section 145 of the Code of Federal Regulations U. S. Environmental Protection Agency (EPA) including but not limited to:
 - h. State requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:
 - South Dakota Codified Law (SDCL) 34-44 This Law authorized the establishment of an asbestos control program and established fees and penalties. Dated March 3, 1988 as amended
 - Administrative Rules of South Dakota (ARSD) 74:31 Asbestos Control Program June 5, 1988 as amended
 - Abide by all local requirements, which govern asbestos abatement work or hauling and disposal of asbestos waste materials.
 - Standards which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:
 - American National Standards Institute (ANSI)
 - 1430 Broadway New York, New York 10018 (212) 354-3300

- Fundamentals Governing the Design and Operation of Local Exhaust Systems Publication Z9.2-79
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- American Society for Testing and Materials (ASTM)
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- Safety and Health Requirements Relating to Occupational Exposure to Asbestos E 849-82
- 1926.1101: Asbestos Standard for Construction -Building and Construction Trades Department. AFL-CIO
- “Guide Specification -02080 Asbestos AIA Service Corporation 1735 New York Ave. E NW, Washington, DC
- Guide Specification for the Abatement of Asbestos Release
- From Spray or Trowel Applied Materials in Buildings and Other Structure Designs.
- Asbestos Control Program NBSIR 87-2688
- Guidelines for Assessment and Abatement of Asbestos-Containing Material in Buildings May 1983
- U.S. Department OF Commerce National Bureau of Standards
- National Engineering Lab Center for Building Technology
- Technical Specifications for Term Construction Contract Asbestos Abatement

Project Design requirements specified in the document listed immediately below:

- i. EPA requirements which discuss asbestos abatement work or hauling and disposal of asbestos waste materials are listed below for the contractor’s information only. These documents do not describe the work and are not a part of the work of this contract. EPA maintains an information number (800)-334-8571, publications can be ordered from (800)-424-9065 (554-1404 in Washington, DC):
- j. Asbestos-Containing Materials in School Buildings A Guidance Document. Parts 1 & 2. (Orange Books) EPA C00090 (out of print)
- k. Guidance for Controlling Asbestos-containing Materials in Buildings (Purple Book) EPA 560/5-85-024
- l. Friable Asbestos-containing Materials in Schools: Identification and Notification Rule (40CFR Part 763), Evaluation of the EPA Asbestos-in-Schools Identification and Notification Rule. EPA 560/5-84-005
- m. Asbestos in Buildings: National survey of Asbestos-Containing Friable Materials. EPA 560/5-84-006
- n. Asbestos in Buildings: Guidance for service and Maintenance Personnel. EPA 560/5-85-018
- o. Asbestos Waste Management Guidance. EPA 530-SW-85-007 Asbestos Fact Book. EPA Office of Public Affairs
- p. *Asbestos in Buildings. Simplified Sampling Scheme for Friable*
- q. Surfacing Materials Commercial Laboratories with Polarized Light Microscopy Capabilities for bulk asbestos identification

- r. A Guide to Respiratory Protection for the Asbestos Abatement Industry. EPA-560-OPTS-86-001.
- s. Procurement under Assistance Agreements 40 CFR Part 33, FRL 2210-3 Federal Register, Vol. 48 No.60 March 28, 1983, P12922-12938
- t. Asbestos-containing Materials in Schools Final Rule and Notice 40 CFR Part 763, Federal Register, Vol. 52, No 210, December 14, 1987, P41826-41905
- u. National Emission Standards for Hazardous Air Pollutants, Asbestos NESHAP Revision Final Rule. November 20, 1990
- v. 29 CFR 1926.103 Respiratory Protection
- w. 29 CFR 1926.21 Safety Training and Education
- x. 29 CFR 1926.33 Access to Employee Exposure and Medical Records
- y. 29 CFR 1926.55 Gases, Vapors, Fumes, Dusts, and Mists
- z. 29 CFR 1926.59 Hazard Communication
- aa. 29 CFR 1926.62 Lead
- bb. 40 CFRs 262-279 Hazardous Waste
- cc. ARSD 74:28 Hazardous Waste

5.0 SUBMISSION REQUIREMENTS:

All offerors are required to attend a site visit **January 18th, from 8:30 a.m.-10:30 a.m. MT** at the Sanford Lab, 630 East Summit Street, Lead South Dakota. Pre-registration is required, email mbaumann@sanfordlab.org by close of business **January 15th 2019** to receive instructions and directions. Only companies represented at the site visit will be eligible to submit quotes.

Questions are to be submitted electronically to mbaumann@sanfordlab.org by 2:00 P.M **January 24th**. All questions along with their answers will be emailed to all prospective offerors and posted to the sanfordlab.org website no later than **January 29th, 2019**.

Offerors shall submit an electronic copy (.pdf format) of the proposals no later than 2:00 p.m **February 4th** to: mbaumann@sanfordlab.org. Late submissions will not be accepted.

The proposal period may be extended at the discretion of SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective offeror by SDSTA.

All communications regarding this procurement between RFP release and contract award shall be directed by email to mbaumann@sanfordlab.org. Communications with other SDSTA staff regarding this procurement in advance of the contract award are not allowed.

- **Sanford Laboratory will provide site specific training (60 minutes).**
- **Sanford Laboratory will provide assistance with the JHA development.**
- **SDSTA will be responsible for the management of hazardous waste beyond the contractor's collection work.**