AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST FOR
FEDERAL SUPPLY GROUP: PROFESSIONAL SERVICE
MULTIPLE AWARD SCHEDULE (MAS)
CONTRACT NUMBER 47QRAA19D00C6

CONTRACT PERIOD: September 6, 2019 through September 5, 2024

HZW Environmental Consultants, LLC
6105 Heisley Road (Main Corporate Office)
Mentor, Ohio 44060
www.hzwenv.com

POC Kevin Reaman
Phone: 330-208-2717
E-mail: kreaman@hzwenv.com

Branch Offices:
1234 Weathervane Lane 500 Euclid Avenue
Suite 110 Suite 305/306
Akron, Ohio 44313 Cleveland, Ohio 44103

Small, Woman Owned Business, Certified Disadvantage Business Enterprise

For More information on ordering from Federal Supply Schedule click on FSS Schedules button at www.fss.gsa.gov

“On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create on electronic delivery order are available through GSA Advantage!, a menu-driven database system. The INTERNET address GSA Advantage! Is: GSA Advantage.gov.”

Catalog effective through Modification:

47QRAA19D00C6
August, 2020
1.0 Customer Information

1a. Special Item Numbers(s):

<table>
<thead>
<tr>
<th>SIN</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>541620</td>
<td>Environmental Consulting Services</td>
</tr>
<tr>
<td>562910REM</td>
<td>Remediation and Reclamation Services</td>
</tr>
<tr>
<td>SIN OLM/RC</td>
<td>Order Level Materials (OLMs)</td>
</tr>
</tbody>
</table>

1b. Price List and Rates (see page 8) Labor rates are support of all awarded SINs are valid for Great Lakes Region

1c. Description of job titles, experience, functional responsibility, and education for services performed: List of HZW labor categories and descriptions (see page 8).

2. Maximum Order: $1,000,000

3. Minimum Order: $100

4. Geographic Coverage (delivery area). Domestic Only

5. Point(s) of production (city, count, and state or foreign country):

   Business Address
   6105 Heisley Road, Mentor, Ohio 44060

6. Discount from list prices or statement of net pricing:
   Government Net Prices discount already deducted.

7. Quantity discount: 5% for orders over $100,000

8. Prompt payment terms: Net 30 days; Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions
9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold: Yes, HZW will accept the Government purchase card for payments equal to or less than the micro-purchase threshold.

9b. Government purchase cards: are accepted above the micro-purchase threshold.

10. Foreign items: Not applicable.

11. Time of Delivery: The delivery schedule shall be specified for each project.

11b. Expedited Delivery: The delivery can be expedited contact Contractor for more information.

11c. Overnight and 2-day delivery: Contact the Contractor for more information.

11d. Urgent Requirements: Clause I-FSS-140-B, Urgent Requirements, applies to HZW Contract. Ordering agencies may contact either of the points of contact identified below to inquire about faster delivery. Contact the Contractor for more information.

12. F.O.B Point(s): Destination

13a. Customer Information Item:

HZW Environmental Consultants, LLC
6105 Heisley Road
Mentor, Ohio 44060
www.hzwenv.com

POC Kevin Reaman
Phone: 330-208-2717
E-mail: kreaman@hzwenv.com

13b. Ordering Procedures

For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3
14. **Payment Addresses**

HZW Environmental Consultants, LLC  
6105 Heisley Road  
Mentor, Ohio 44060

15. **Warranty provision**: Not applicable.

16. **Export Packing Charges**: Not applicable.

17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level)**: Government purchase cards may be accepted for payment above the micro-purchase threshold, if agreed to by the parties.

18. **Terms and conditions of rental, maintenance, and repair**: Not applicable.

19. **Terms and conditions of installation**: Not applicable.

20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices**: Not applicable.

20a. **Terms and conditions for any other services**: Not applicable.

21. **List of service and distribution points**: Not applicable.

22. **List of participating dealers**: Not applicable.

23. **Preventive maintenance**: Not applicable.

24a. **Environmental attributes**: Not applicable.

24b. **Section 508 compliance**: Ordering agencies shall state in delivery order solicitations their requirements for Section 508 compliance, if any. The price of Section 508 compliance shall be negotiated on a delivery order basis.

25. **Data Universal Numbering System (DUNS) number**: 623632478

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26.) Notification regarding registration in System for Awarded Management (SAM) database.

2.0 Overview of HZW Offerings

541620 Environmental Consulting Services:

GSA’s Environmental Consulting Services include, but are not limited, to groups of areas listed below.

- Planning and Documentation Services for the development, planning, facilitation, coordination, and documentation of and/or for environmental initiatives (or mandates such as Executive Order 13693 in areas of chemical, radiological, and/or hazardous materials; ISO 14001 Environmental Management System and sustainable performance measure development.

- Environmental Assessment and Environmental Impact Statement preparation under the National Environmental Policy Act (NEPA); endangered species, wetland, watershed, and other natural resource management plans; archeological and/or cultural resource management plans; environmental program and project management; Environmental regulation development.

- Climate change adaptation and resiliency planning and implementation support, including but not limited to, identifying climate risks and impacts; applying and interpreting climate and impact assessment model outputs; development and/or implementation of solutions to build climate resilience, reduce identified climate risks, and/or provide both climate change mitigation and adaptation benefits; climate decision support, risk management, and vulnerability assessments and analyses; and climate risk communications and training; economic, technical and/or risk analysis; other environmentally related studies and/or consultations.

- Homeland Security solutions that include biochemical protection; crime prevention through environmental design surveys; economical, technical and/or risk analysis; Identification and mitigation of threats inclusive of protective measures to mitigate the threats; and vulnerability assessments.

- Compliance services such as review, audit, and implementation/management of EMS and other compliance and contingency plans and performance measures; Permitting; Spill prevention/control and countermeasure plans; Pollution prevention surveys;
and Community Right to-Know Act reporting. Advisory Services for ongoing advice and assistance with data and information in support of agency environmental programs involving areas such as Hazardous material spills; material safety data sheets (MSDS), biological/medical data sheets; information hotlines; Poison control hotlines; Environmental regulations and environmental policy/procedure updates; management, furnishing, or inventory of MSDS; waste management consulting services to provide guidance in support of waste-related data collection, feasibility studies and risk analyses.

- Resource Conservation and Recovery Act/Comprehensive Environmental Response Compensation and Liability Act (RCRA/CERCLA) site investigations; hazardous and/or non-hazardous exposure assessments; waste characterization and source reduction studies; review and recommendation of waste tracking or handling systems; waste management plans and/or surveys; waste minimization/pollution prevention initiatives; and review of technologies and processes impacting waste management.

**Schedule 562910 REM Remediation and Reclamation Services**

Remediation services include, but are not limited to: excavation, removal and disposal of hazardous waste; site preparation, characterization, field investigation, conservation and closures; wetland restoration; emergency response clean up (ERC); underground storage tank/above-ground storage tank (UST/AST) removal; air monitoring; soil vapor extraction; stabilization/solidification, bio-venting, carbon absorption, reactive walls, containment, monitoring and/or reduction of hazardous waste sites, as well as unexploded ordnance removal; remediation-related laboratory testing (e.g., biological, chemical, physical, pollution and soil testing).

Reclamation services include, but are not limited to: land (e.g., creating new land from sea or riverbeds and/or restoring areas to a more natural state, such as after pollution, desertification, or salination have made it unusable); and water and refrigerant reclamation.

Services offered under this SIN shall NOT include any remediation / transportation / disposal of radioactive waste, asbestos and/or paint abatement, radon mitigation, construction and architect-engineer services as set forth in FAR Part 36 (including construction, alteration or repair of buildings, structures, or other real property). Disposal services performed under SIN must be ancillary to remediation services performed.

This SIN does not include Davis-Bacon Act work as described in Federal Acquisition Regulation Subpart 22.4. Ordering Contracting Officers utilizing this SIN for environmental
remediation projects/support must ensure the work being required is not covered by the Davis-Bacon Act prior to issuing a Request for Quotes.

### 3.0 HZW Labor Categories and Rates

<table>
<thead>
<tr>
<th>Labor Category</th>
<th>Description</th>
<th>Education</th>
<th>Years of Experience + Training</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal/CEO/President/Group Leader</td>
<td>Internal expert for significant area/discipline. Develops projects and solutions. Possesses strategic problem solving skills. Able to assist design team of application of specific technology. Excellent written and verbal communication skills. Develops complex presentations. Represents the company to internal and external clients. Recruits and motivates staff to achieve goals and objectives. Manages a significant team for the company. Establishes goals and objectives for the team or business unit consistent with the company's strategic direction.</td>
<td>Bachelor's Degree and minimum 25 years' experience plus appropriate continuing education</td>
<td>25 years of related experience</td>
<td>Certified Professional, Professional Geologist, Certified Professional Geologist</td>
</tr>
<tr>
<td>Program Manager</td>
<td>Professional/Technical: Recognized expert in technical or professional field. Excellent professional skills. Plans, conducts and supervises projects and solutions. Estimates and schedules work to meet completion dates. Directs project staff, reviews progress and evaluates results, makes changes in design or methods and or equipment as needed. Strategic problem solving skills.</td>
<td>Bachelor's Degree and minimum 20 years' experience plus appropriate continuing education</td>
<td>20 years of related experience</td>
<td>Professional Geologist, Certified Professional Geologist</td>
</tr>
<tr>
<td>Project Manager</td>
<td>Professional/Technical: Excellent professional skills. Plans, conducts and supervises projects and solutions. Estimates and schedules work to meet completion dates. Directs project staff, reviews progress and evaluates results, makes changes in design or methods and or equipment as needed. Strategic problem solving skills.</td>
<td>Bachelor's Degree and minimum 20 years' experience plus appropriate continuing education</td>
<td>20 years of related experience</td>
<td>Professional Geologist, Certified Professional Geologist</td>
</tr>
<tr>
<td>Labor Category</td>
<td>Description</td>
<td>Education</td>
<td>Years of Experience - Training</td>
<td>Certifications</td>
</tr>
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<td>--------------------------------</td>
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<td>-----------------------------------------------------------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Environmental Scientist III/Geologist III</strong></td>
<td>Professional/Technical Excellent professional skills Provides expert technical skills to the organization. Exercises independent judgment and demonstrates innovation Innovative problem solving skills Client contact with project manager direction for task packages. Directs project and junior staff.</td>
<td>Bachelor's Degree and minimum 10 years' experience plus appropriate continuing education</td>
<td>10 years of related experience</td>
<td>Professional Geologist, Certified Professional Geologist</td>
</tr>
<tr>
<td><strong>Environmental Scientist II / Geologist II</strong></td>
<td>Professional/Technical Excellent professional skills Provides expert technical skills to the organization. Exercises independent judgment and demonstrates innovation Innovative problem solving skills Client contact with project manager direction for task packages. Directs project and junior staff.</td>
<td>Bachelor's Degree and minimum 5 years' experience plus appropriate continuing education</td>
<td>5 years of related experience</td>
<td>Professional Geologist, Certified Professional Geologist</td>
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<tr>
<td><strong>Environmental Scientist I / Geologist I</strong></td>
<td>Utilizes technical knowledge and skills to perform environmental project activities including data organization and interpretation on environmental site assessments, subsurface investigations, feasibility studies, remedial action plans, property condition assessments, etc.; drills and logs exploratory borings and designs/constructs ground water monitoring wells, in accordance with applicable governmental requirements; collects or oversees collection of soil and groundwater samples for laboratory analysis of chemical parameters in accordance with EPA and other state and local guidelines; estimates direction of groundwater flow based on review of historical records and site-specific data; estimates the nature and extent of contamination in soil and groundwater at environmental sites; interprets data and observations; prepares technical report based on evaluation of data gathered. Directed by the project manager executes field studies, sampling, testing. Labeling and investigations. Qualification to a more advanced position dependent upon knowledge, skills and abilities.</td>
<td>Bachelor's Degree (B.A., B.S.) or higher in Geology, Engineering, or related field from an accredited college or university.</td>
<td>5 years of related experience</td>
<td></td>
</tr>
<tr>
<td>Labor Category</td>
<td>Description</td>
<td>Education</td>
<td>Years of Experience - Training</td>
<td>Certifications</td>
</tr>
<tr>
<td>--------------------------------</td>
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<td>-----------------------------</td>
</tr>
<tr>
<td>Field Technician / Inspector I</td>
<td>Works under supervision of project manager. Collects basic data and performs routine analysis. Professional / Technical Meets quality and quantity goals Implements routine tasks through application of standard techniques and methods</td>
<td>Bachelor's Degree (B.A., B.S.) or higher in Environmental Sciences or related science discipline from an accredited college or university.</td>
<td>3 years of related experience</td>
<td></td>
</tr>
<tr>
<td>Field Technician / Inspector</td>
<td>Works under supervision of project manager. Collects basic data and performs routine analysis. Professional / Technical Meets quality and quantity goals Implements routine tasks through application of standard techniques and methods</td>
<td>H.S. Diploma</td>
<td>1 years of related experience</td>
<td></td>
</tr>
</tbody>
</table>

**Principal/CEO/President/Group Leader**

Responsible for overall operations of the company, including human resources, finances, technical aspects in areas of expertise, and supervision of program manager and project managers. All staff (technical and clerical) report to the principals. Principal/CEO/President/Group Leader have over 25 years of experience.

**Program Manager**

Familiar with all technical aspects of the company's areas of expertise. Supervises and advises on projects both in the technical and financial (i.e. budgeting) sense. Program Managers have over 20 years of experience and advanced technical degrees.

**Project Manager**

Familiar with all technical aspects of the company's areas of expertise. Supervises and advises on projects both in the technical and financial (i.e. budgeting) sense. Project Managers have over 20 years of experience and advanced technical degrees. Project Managers report to Program Manager.

**Environmental Scientist III / Geologist III**

Supervises and advises on projects both in the technical and financial (i.e. budgeting) sense. At least 10 years of experience in area of expertise with at least a bachelor's degree in scientific field. Areas may include industrial environmental and safety compliance, site assessments, wetland delineation and permitting, ecological mitigation and asbestos and lead based paint testing. All state-required certification in area of expertise required. Environmental Scientists III / Geologist III report to Project Manager. Responsible for report writing, reviewing and interpretation of data.

**Environmental Scientist II / Geologist II**

Supervises and advises on projects both in the technical and financial (i.e. budgeting) sense.
At least 5 years of experience in area of expertise with at least a bachelor's degree in scientific field. Areas may include industrial environmental and safety compliance, site assessments, wetland delineation and permitting, ecological mitigation and asbestos and lead based paint testing. All state-required certification in area of expertise required. Environmental Scientists II / Geologist II report to Project Manager. Responsible for report writing, reviewing and interpretation of data.

**Environmental Scientist I / Geologist I**

Responsible for site assessments, landfill monitoring and certain field investigations. Have a bachelor's degree in Geology or Hydrogeology and 5-years of experience with at least a bachelor's degree in scientific field. Must be familiar with geological setting of specific project areas. Environmental Scientist I / Geologist I reports to Project Manager. Responsible for data interpretation, placement of groundwater monitoring wells and soil boring, soil boring log preparation and interpretation, report writing. Areas may include industrial environmental and safety compliance, site assessments, wetland delineation and permitting, ecological mitigation and asbestos and lead based paint testing.

**Field Technician I / Inspector I**

Works under supervision of project manager. Collects basic data and performs routine analysis. Professional / Technical Meets quality and quantity goals. Implements routine tasks through application of standard techniques and methods at least 3 years of experience with at least a bachelor's degree in scientific field. Field technician I/ Inspector reports to Environmental Scientist / Geologist.

**Field Technician / Inspector**

Responsible for field activities, including, but not limited to, operation of drilling equipment, GPS units, collection of field data specific to all projects, preparation of comprehensive field notes. At least 1 year of experience with at least a high school diploma Field Technician / Inspector reports to Environmental Scientist / Geologist.

<table>
<thead>
<tr>
<th>SIN</th>
<th>Service Proposed</th>
<th>Base Period</th>
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<tbody>
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<td></td>
<td>Year 1</td>
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<tr>
<td>541620, 562910</td>
<td>Principal/CEO/President/Group Leader</td>
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<th>SIN(s) Proposed</th>
<th>Service / Support Products</th>
<th>Time of Delivery ARO</th>
<th>Unit of Issue (e.g. Hour, Task, Sq Ft)</th>
<th>Contractor or Customer Facility or Both</th>
<th>Domestic or Overseas</th>
<th>Price Offered to GSA (including IFF)</th>
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<tr>
<td>541620, 562910</td>
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<td>Each</td>
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<td>541620, 562910</td>
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<td>Mold</td>
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<td>Each</td>
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<td>Domestic Only</td>
<td>$ 30.23</td>
</tr>
</tbody>
</table>

**Environmental Support Pricing Narrative Descriptions**

**VOC by Method 8260**

Volatile organic compounds (VOCs) are a class of chemical compounds that easily evaporate from liquid or solid form into the air at room temperature. VOCs can be naturally occurring in the environment, such as methane or isoprene, or human-made compounds like benzene, acetone or methyl tert-butyl ether (MTBE). Common household sources of VOCs include paints, glues, personal care products and cleaning supplies.

Method 8260 is used to determine VOC in a variety of solid waste matrices. This method is applicable to nearly all types of samples, regardless of water content, including various air sampling trapping media, ground and surface water, aqueous sludges, caustic liquors, acid liquors, waste solvents, oily wastes, mousse, tars, fibrous wastes, polymeric emulsions, filter cakes, spent carbon, spent catalysts, soils, and sediments.


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SVOC by Method 8270

Method 8270 is used to determine the concentration of semivolatile organic compounds (SVOC) in extracts prepared from many types of solid waste matrices, soils, air sampling media and water samples. SVOCs are a subgroup of VOCs that tend to have a higher molecular weight and higher boiling point temperature. SVOCs are of concern because of their abundance in the indoor environment and their potential for negative health effects on humans.

SVOCs are similar to VOC compounds in that they can vaporize from liquid or solid forms. However, SVOCs have a lower vapor pressure and boiling point, and cannot be quantified using purge and trap methods. Common SVOC compounds include polynuclear hydrocarbons, phthalates, phenol and nitrobenzene. SVOC compounds are subject to many of the same regulatory programs as VOCs on both state and federal levels.


PAH by Method 8270

Polycyclic aromatic hydrocarbons (PAHs) is comparable to SVOC by Method 8270 is used to determine the concentration of SVOC compounds. PAH’s are a subset of analytes from the SVOC’s Base/Neutral group is commonly requested.

TPH-GRO (C6-C12), DRO (C10-C20), and ORO (C20-C34) by Method 8015

Until the mid-1980s, most underground storage tanks were made of bare steel, which is likely to corrode over time and allow contents to leak into the environment. Faulty installation or inadequate operating and maintenance procedures also can cause releases into the environment. Sources of petroleum hydrocarbons in the environment can arise from leaking underground storage tanks (USTs) and spills of gasoline, diesel fuel, aviation and other fuels. It is often important to understand the source of the petroleum hydrocarbons on a site prior to remediation.

Petroleum Hydrocarbons - GRO corresponds to the range of alkanes from C6 to C10 and a boiling point range of approximately 60 C - 170 C. DRO corresponds to the range of alkanes from C10 to C28 and a boiling point range of approximately 170 C – 430 C

https://www.epa.state.oh.us/portals/30/rules/DI-033.pdf

Metals (RCRA 8) by 6000/7000 series methods

Metals are naturally occurring constituents in the environment and their concentrations vary based on geographic region. All environmental media have naturally occurring concentrations of metals. Some metals are essential for maintaining proper health for animals, plants and microorganisms. Industrial metals such as copper, nickel, titanium, chromium, molybdenum, selenium and others are used in various manufacturing processes. Other metals like mercury, arsenic and lead play an integral part in consumer and industrial products (batteries, ammunition, insecticides, etc.). Metals cannot be created or destroyed by either chemical or biological processes and, as the concentration of metals increases in the environment, so does the potential risk.

Designed to determine the appropriate hazardous classification by establishing the degree of concentration of certain regulated compounds. These eight metals include: arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver.

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PCB By Method 8082

Polychlorinated Biphenyls (PCBs) are a class of organochlorine compounds that were commercially produced for a wide variety of uses in the 1900’s. Their chemical properties and physical stability led to widespread commercial use as dielectric and coolant fluids in electrical equipment and in heat transfer fluids. Because of their stability, they are considered a persistent organic pollutant. PCB production was banned by the United States in 1979.


PLM Asbestos

Polarized Light Microscopy (PLM) is the utmost accepted method by the EPA and is the most accepted method for initial analysis of bulk building materials for asbestos content. By utilizing the polarized light microscope, analysts test the optical properties of the samples’ fibrous components and provide both the asbestos type and estimated percentages in the sample material.

PLM Asbestos Point Count

Polarized Light Microscopy Point Count determines the type of asbestos present and point counts quantify the percentage of asbestos. This method is primarily used to supplement the original PLM calibrated visual estimate.

TEM Asbestos NIOSH 7400

Transmission Electron Microscopy (TEM) Chatfield cooks the sample to create a residue followed by acid treatment and asbestos results are a derivative of the percentage of asbestos in the residue. This method is approved by the EPA to confirm low-level concentrations of asbestos in non-friable organically bound and some friable bulk building materials.

PCM Asbestos NIOSH 7400

Phase Contrast Microscopy (PCM) is performed on air filter samples that have been collected to monitor asbestos conditions prior to, during, and after asbestos remediation. THE PCM analyst counts fibers that are present on the filters in order to give a time-weighted average of the concentration of those fibers for the volume of air sampled. PCM results are fiber concentrations and do not distinguish between asbestos and non-asbestos fibers.

Lead Wipe

To capture and quantify lead levels from settleable dust, present on surface samples. This will assess whether the levels present suggest a lead problem. Wipe sampling is able to pick up settled dust which may have originated from nearby construction and current or previous renovation.
VOC TO-15 by Method 8260 Air are a class of chemical compounds that easily evaporate from liquid or solid form into the air at room temperature. VOCs can be naturally occurring in the environment, such as methane or isoprene, or human-made compounds like benzene, acetone or MTBE. Common household sources of VOCs include paints, glues, personal care products and cleaning supplies. Federal and state agencies have developed regulatory compliance levels for VOCs under the Clean Air Act, Clean Water Act, within NPDES permits and in the Safe Drinking Water Act.

Mold

Standards or Threshold Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no EPA regulations or standards for airborne mold contaminants. Surface sampling may be useful to determine if an area has been adequately cleaned or remediated. Sampling for mold should be conducted by professionals who have specific experience in designing mold sampling protocols, sampling methods and interpreting results. Sample analysis should follow analytical methods recommended by the American Industrial Hygiene Association (AIHA), the American Conference of Governmental Industrial Hygienists (ACGIH), or other professional organizations.

SCLS Matrix and Applicability Statement

"The Service Contract Labor Standards (SCLS), formally the Service Contract Act (SCA), applies to this contract and its includes SCLS applicable labor categories. Labor Categories and fixed prices services marked with a (**) are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS matrix. The prices awarded are in line with the geographic scope of the contract (i.e. nationwide)."

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