REQUEST FOR BID

FOR

FURNISHING AND DELIVERY

OF

TRANSPORT, TREATMENT, RECYCLING AND/OR DISPOSAL OF

CHEMICAL/HAZARDOUS WASTE

FOR

THE CURATORS OF THE UNIVERSITY OF MISSOURI

ON BEHALF OF

UNIVERSITY OF MISSOURI – COLUMBIA CAMPUS

RFB# 21013

DUE DATE: SEPTEMBER 4, 2020

TIME: 2:00 P.M. CT

THE CURATORS OF THE UNIVERSITY OF MISSOURI

Prepared by:
Wade A. Jadwin
Strategic Sourcing Specialist
University of Missouri Procurement
1201 North State Street – Suite GSC
Rolla, MO 65201

Date Issued: August 20, 2020
NOTICE TO RESPONDENTS

The University of Missouri requests bids for the Furnishing of TRANSPORT, TREATMENT, RECYCLING AND/OR DISPOSAL OF CHEMICAL/HAZARDOUS WASTE, RFB#21013, which will be received by the undersigned at University of Missouri Procurement, until September 4, 2020 at 2:00 P.M. CT. The University assumes no responsibility for any vendor’s on-time receipt at the designated location for bid opening. Faxed or emailed responses will not be considered.

Specifications and the conditions of Request for Bid together with the printed form on which Request for Bids must be made may be obtained by accessing the following website: http://www.umsystem.edu/ums/fa/procurement/bids or from the Strategic Sourcing Specialist identified within this document.

In the event a Respondent chooses to use the Word version of the RFB to aid in preparation of its response, the Respondent should only complete the response information. Any modification by the Respondent of the specifications provided will be ignored, and the original wording of the RFB shall be the prevailing document.

If you have any questions regarding the RFB, please send them to:

Wade A. Jadwin
University of Missouri Procurement
1201 North State Street – Suite G5C
Rolla, Missouri 65409
jadwinw@mst.edu

All questions regarding the RFB must be received no later than 2:00 P.M. CT on August 27, 2020.

The University reserves the right to waive any informality in Request for Bid and to reject any or all Request for Bids.

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A. General Terms and Conditions

1. Purpose: The purpose of these specifications is to require the furnishing of the highest quality equipment, supplies, material and/or service in accordance with the specifications. These documents, and any subsequent addenda, constitute the complete set of specification requirements and bid response forms.

2. Governing Laws and Regulations: Any contract issued as a result of this RFB shall be construed according to the laws of the State of Missouri. Additionally, the contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract to the extent that the same may be applicable.

3. Taxes: The contractor shall assume and pay all taxes and contributions including, but not limited to, State, Federal and Municipal which are payable by virtue of the furnishing and delivery of item(s) specified herein. Materials and services furnished the University are not subject to either Federal Excise Taxes or Missouri Sales Tax.

4. Sovereign Immunity: The Curators of the University of Missouri, due to its status as a state entity and its entitlement to sovereign immunity, is unable to accept contract provisions, which require The Curators to indemnify another party (537.600, RSMo). Any indemnity language in proposed terms and conditions will be modified to conform to language that The Curators are able to accept.

5. Preference for Missouri Firms: In accordance with University policy, preference shall be given to Missouri products, materials, services and firms when the goods or services to be provided are equally or better suited for the intended purpose. As long as quality is equal, preference by a differential not to exceed 5% shall be given. Firms are considered "Missouri firms" if they maintain a regular place of business in the State of Missouri.

6. Appropriation: The Curators of the University of Missouri is a public corporation and, as such, cannot create indebtedness in any one year (the fiscal year beginning July 1 to June 30) above what they can pay out of the annual income of said year as set forth in 172.250, RSMo. Therefore, if the University determines it has not received adequate appropriations, budget allocations or income to enable it to meet the terms of this contract, the University reserves the right to cancel this contract with 30 days’ notice.

7. Equal Opportunity and Non-Discrimination: In connection with the furnishing of equipment, supplies, and/or services under the contract, the contractor and all
subcontractors shall agree not to discriminate against any recipients of services, or employees or applicants for employment on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. The contractor shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment of minorities, women, persons with disabilities, and certain veterans. Contract clauses required by the United States Government in such circumstances are incorporated herein by reference.

8. Supplier Diversity Participation: The University of Missouri System is committed to and supports supplier diversity as an essential part of the University’s mission and core values. To qualify as a Diverse Supplier, the company must be at least 51% owned and controlled by someone in one of the recognized groups (see below). These firms can be a sole proprietorship, partnership, joint venture or corporation. Diverse suppliers should be certified from a recognized certifying agency.

The University of Missouri recognizes the following groups:

- MBE (Minority Owned Business Enterprise)
  - African American
  - Asian American
  - Pacific Asian American
  - Subcontinent Asian American
  - Hispanic American
  - Native American
- WBE (Women Owned Business Enterprise)
- DVBE (Service Disabled Veteran Owned Business Enterprise)
- VBE (Veteran Owned Business Enterprise)
- LGBT (Lesbian, Gay, Bisexual, Transgender)
- DBE (Disadvantaged Business Enterprise)

Tier 2 Diverse Supplier Spending and Reporting: The University strongly encourages Supplier Diversity participation in all of its contracts for goods and services. Tier 2 spend is spend reported by primary (non-diverse) suppliers of the University of Missouri who subcontract work to, or make purchases from a diverse supplier. Depending upon the contract, primary (non-diverse) suppliers may be asked to submit Tier 2 information with Women and Diverse Owned Companies. Suppliers have two options in reporting Tier 2 dollars depending on the terms on the contract: Direct and Indirect.

- **Direct dollars** – dollars directly spent with Women and Diverse Owned suppliers in the fulfillment of the contract.

- **Indirect dollars** – dollars based on a percentage of revenue the University represents to the supplier. An example is as follows:
  1) Supplier’s Total Revenues: $10,000,000
2) Revenues from University $: $4,000,000
3) University % of Total Revenues: 40% (#2 divided by #1)
4) Total MBE Dollars: $150,000
5) Total WBE Dollars: $150,000
6) Total University Attributable MBE $: $60,000 (#3 multiplied by #4)
7) Total University Attributable WBE $: $60,000 (#3 multiplied by #5)
8) Total University Attributable MWBE $: $120,000 (Sum of #6 and #7)
9) University % Attributable Revenue: 3% (#8 divided by #2)

Supplier Diversity Participation Form: If a respondent will be utilizing a diverse supplier as part of this contract, they must indicate their Supplier Diversity participation levels on the Supplier Diversity Participation Form included in this RFB (see Attachment A). The Respondent must describe what suppliers and/or how the Respondent will achieve the Supplier Diversity goals. Evaluation of bids shall include the proposed level of Supplier Diversity participation. Bids that do not meet the participation requirements for Supplier Diversity will not receive any of the points during bid review.

Suppliers/contractors will be responsible for reporting Tier 2 diverse supplier participation on an agreed upon timing (e.g. quarterly, annually) when business is awarded.

The University will monitor the supplier/contractor’s compliance in meeting the Supplier Diversity participation levels committed to in the awarded bid. If the supplier/contractor’s payments to participating diverse suppliers are less than the amount committed to in the contract, the University reserves the right to cancel the contract, suspend and/or debar the supplier/contractor from participating in future contracts.

9. **Applicable Laws and Regulations:** The University serves from time to time as a contractor for the United States government. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment opportunity and affirmative action in the employment of minorities (Executive Order 11246), women (Executive Order 11375), persons with disabilities (29 USC 706 and Executive Order 11758), and certain veterans (38 USC 4212 formerly [2012]) contracting with business concerns with small disadvantaged business concerns (Publication L. 95-507). Contract clauses required by the Government in such circumstances are incorporated herein by reference.

10. **Applicable Digital Accessibility Laws and Regulations:** The University affords equal opportunity to individuals with disabilities in its employment, services, programs and activities in accordance with federal and state laws, including Section 508 of the Rehabilitation Act, 36 C.F.R., Pt. 1194. This includes effective communication and access to electronic and information communication technology resources, and the University expects that all products will, to the greatest extent possible, provide equivalent ease of use for individuals with disabilities as for non-disabled individuals. The University of Missouri has adopted the Web Content Accessibility Guidelines (WCAG), as specified by the University of Missouri Digital Accessibility Policy.
Supplier shall: (1) deliver all applicable services and products in reasonable compliance with University standards (Web Content Accessibility Guidelines 2.0, Level AA or above); (2) provide the University with an Accessibility Conformance Report detailing the product’s current accessibility according to WCAG standards using the latest version of the Voluntary Product Accessibility Template (VPAT); (3) if accessibility issues exist, provide a “roadmap” plan for remedying those deficiencies on a reasonable timeline to be approved by the University; (4) promptly respond to assist the University with resolving any accessibility complaints and requests for accommodation from users with disabilities resulting from supplier’s failure to meet WCAG guidelines at no cost to the University; and (5) indemnify and hold the University harmless in the event of any claims arising from inaccessibility.

When installation, configuration, integration, updates, or maintenance are provided, the supplier must ensure these processes are completed in a way that does not reduce the original level of WCAG conformance. If at any point after procurement it is determined that accessibility improvements need to be made in order to comply with the WCAG standards, the supplier agrees to work with the University to remedy the non-compliance by submitting a roadmap detailing a plan for improvement on a reasonable timeline. Resolution of reported accessibility issue(s) that may arise should be addressed as high priority, and failure to make satisfactory progress towards compliance with WCAG, as agreed to in the roadmap, shall constitute a breach of contract and be grounds for termination or non-renewal of the agreement.

11. **Applicable Health Related Laws and Regulations:** If these specifications or any resulting contract involves health care services or products, the Contractor agrees to maintain, and will further assure such compliance by its employees or subcontractors, the confidential nature of all information which may come to Contractor with regard to patients of the University. All services provided pursuant to this contract shall be provided in accordance with all applicable federal and state laws including The Health Insurance Portability and Accountability Act of 1996, Public Law 104-191, sections 261-264 (the Administrative Simplification sections) and the regulations promulgated pursuant thereto and regulations of the Joint Commission on Accreditation of Healthcare Organization and The Centers for Medicare & Medicaid Services (CMS).

Respondents understand and agree that the Curators of the University of Missouri, in the operation of MU Health Care, is regulated under federal or state laws with regard to contracting with vendors. The Contractor represents that it is not currently excluded or threatened with exclusion from participating in any federal or state funded health care program, including Medicare and Medicaid. Contractor agrees to notify the University of any imposed exclusions or sanctions covered by this representation.

The University will regularly check the "List of Excluded Individuals/Entities" (LEIE), maintained by the Office of Inspector General, United States Department of Health and Human Services (“OIG”) to determine if any Respondents have been excluded from
participation in federal health care programs, as that term is defined in 42 U.S.C. §1320a-7b(f). The University reserves the sole right to reject any respondents who are excluded by the OIG, who have been debarred by the federal government, or who have otherwise committed any act that could furnish a basis for such exclusion or debarment.

12. **Inventions, Patents, and Copyrights:** The Contractor shall pay for all royalties, license fees, patent or invention rights, or copyrights and defend all suits or claims for infringements of any patent or invention right or copyrights involved in the items furnished hereunder. The Contractor shall defend, protect, and hold harmless the University its officers, agents, servants and employees against all suits of law or in equity resulting from patent and or copyright infringement concerning the contractor's performance or products produced under the terms of the contract.

Copyrights for any item developed for the University shall be the property of the University and inure to its benefit and the Contractor shall execute such documents as the University may require for the perfection thereof.

13. **Insurance:** The Contractor shall purchase and maintain such insurance as will protect the Contractor and the University against any and all claims and demands arising from the execution of the contract. Further, when stated in the Detailed Specifications and Special Conditions, the Contractor shall be required to procure and maintain the types and limits of insurance as specified.

14. **Performance Bond/Irrevocable Letter of Credit:** If a performance bond or irrevocable letter of credit is required in the Detailed Specifications and Special Conditions, the Contractor shall furnish to the University, along with their signed contract, a performance bond or unconditional irrevocable letter of credit payable to the Curators of the University of Missouri in the face amount specified in the Detailed Specifications and Special Conditions as surety for faithful performance under the terms and conditions of the contract.

15. **Vendor Gifts:** The contractor shall refrain in offering any offers of gifts to the University, and all University of Missouri employee’s, in accordance with University of Missouri Policy #26301, Suppliers.

**B. Instructions to Respondents**

1. **Request for Bid (RFB) Document:** Respondents are expected to examine the complete RFB document and all attachments including drawings, specifications, and instructions. Failure to do so is at Respondents’ risk. It is the Respondents’ responsibility to ask questions, request changes or clarifications, or otherwise advise the University if any language, specifications or requirements of the RFB appear to be ambiguous, contradictory, and/or arbitrary, or appear to inadvertently restrict or limit the requirements stated in the RFB to a single source.
Any and all communications from Respondents regarding specifications, requirements, competitive Request for Bid process, etc., should be directed to the University buyer of record referenced in this RFP. It is the responsibility of the person or organization communicating the request to ensure that it is received.

The RFB document and any attachments constitute the complete set of specifications and Request for Bid response forms. No verbal or written information that is obtained other than through this RFB or its addenda shall be binding on the University. No employee of the University is authorized to interpret any portion of this RFB or give information as to the requirements of the RFB in addition to that contained in or amended to this written RFB document. In case of any doubt or difference of opinion as to the true intent of the RFP, the decision of the University's Chief Procurement Officer shall be final and binding on all parties.

2. Preparation of Request for Bids: All Request for Bid responses shall include three (3) copies and one (1) thumb or jump drive and must be enclosed in a sealed envelope plainly marked: Request for Bid #21013 for TRANSPORT, TREATMENT, RECYCLING AND/OR DISPOSAL OF CHEMICAL/HAZARDOUS WASTE, mailed and/or delivered to University of Missouri Procurement, 1201 North State Street – Suite G5C, Rolla, MO 65409, ATTN: Wade A. Jadwin.

To receive consideration, Request for Bids must be received, at the above address, prior to the Bid due date and time stated in this RFP. It is the respondent’s full responsibility for the actual delivery of Bids during business hours at the specified address.

Unless otherwise specifically stated in the RFP, all specifications and requirements constitute minimum requirements. All Requests for Bids must meet or exceed the stated specifications or requirements. All equipment and supplies offered must be new, of current production, and available for marketing by the manufacturer unless the RFB clearly specifies that used, reconditioned, or remanufactured equipment and supplies may be offered. Unless specifically stated and allowed in the Detailed Specifications and Special Conditions, all pricing submitted in response to this RFB is firm and fixed.

Whenever the name of a manufacturer, trade name, brand name, or model and catalog numbers followed by the words "or equal" or "approved equal" are used in the specifications, it is for the purpose of item identification and to establish standards of quality, style, and features. Bids on equivalent items of the same quality are invited. However, to receive consideration, such equivalent bids must be accompanied by sufficient descriptive literature and/or specifications to clearly identify the item and provide for competitive evaluation. The University will be the sole judge of equality and suitability. Whenever the name of a manufacturer is mentioned in the specifications and the words "or equal" do not follow, it shall be deemed that the words "or equal" follow unless the context specifies "no substitution." Unless noted on the Request for Bid form, it will be deemed that the article furnished is that designated by the specifications. The University reserves the right to return, at contractor's expense, all items that are furnished which are not acceptable as equals to
items specified and contractor agrees to replace such items with satisfactory items at the original bid price.

Time will be of the essence for any orders placed as a result of this RFP. The University reserves the right to cancel any orders, or part thereof, without obligation if delivery is not made in accordance with the schedule specified by the respondents Bid and accepted by the University. Unless otherwise specified in the Detailed Specifications and Special Conditions, all bids shall include all packing, handling, and shipping charges FOB destination, freight prepaid and allowed.

3. **Submission of Bids:** Respondent shall furnish information required by the solicitation in the form requested. The University reserves the right to reject bids with incomplete information or which are presented on a different form. All bids shall be signed, in the appropriate location, by a duly authorized representative of the Respondent's organization. Signature on the bid certifies that the Respondent has read and fully understands all RFB specifications, plans, and terms and conditions.

By submitting a bid, the Respondent agrees to provide the specified equipment, supplies and/or services in the RFP, at the prices quoted, pursuant to all requirements and specifications contained therein. Furthermore, the Respondent certifies that: (1) the bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation, and is not submitted in conformity with any agreement or rules of any group, association, or corporation; (2) the Respondent has not directly or indirectly induced or solicited any other Respondent to submit a false or sham bid; (3) the Respondent has not solicited or induced any person, firm, or corporation to refrain from responding; (4) the Respondent has not sought by collusion or otherwise to obtain any advantage over any other Respondent or over the University.

Modifications or erasures made before bid submission must be initialed in ink by the person signing the bid. Bids, once submitted, may be modified in writing prior to the exact date and time set for the RFB closing. Any such modifications shall be prepared on company letterhead, signed by a duly authorized representative, and state the new document supersedes or modifies the prior bid. The modification must be submitted in a sealed envelope marked "Bid Modification" and clearly identifying the RFB title, RFB number and closing date and time. Bids may not be modified after the RFB closing date and time. Telephone and facsimile modifications are not permitted.

Bids may be withdrawn in writing, on company letterhead, signed by a duly authorized representative and received at the designated location prior to the date and time set for RFB closing. Bids may be withdrawn in person before the RFB closing upon presentation of proper identification. Bids may not be withdrawn for a period of sixty (60) days after the scheduled closing time for the receipt of bids.
All bids, information, and materials received by the University in connection with an RFB response shall be deemed open records pursuant to 610.021 RSMo. If a Respondent believes any of the information contained in the Respondent's response is exempt from 610.021 RSMo, the Respondent's response must specifically identify the material which is deemed to be exempt and cite the legal authority for the exemption; otherwise, the University will treat all materials received as open records. The University shall make the final determination as to what materials are or are not exempt.

4. **Evaluation and Award:** Any clerical errors, apparent on its face, may be corrected by the Buyer before contract award. Upon discovering an apparent clerical error, the Buyer shall contact the Respondent and request clarification of the intended bid. The correction shall be incorporated in the notice of award. The University reserves the right to request clarification of any portion of the Respondent's response in order to verify the intent. The Respondent is cautioned, however, that its response may be subject to acceptance or rejection without further clarification.

The University reserves the right to make an award to the responsive and responsible Respondent whose product or service meets the terms, conditions, and specifications of the RFB and whose bid is considered to best serve the University's interest. In determining responsiveness and the responsibility of the Respondent, the following shall be considered when applicable: the ability, capacity, and skill of the respondent to perform as required; whether the respondent can perform promptly, or within the time specified without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the respondent; the quality of past performance by the Respondent; the previous and existing compliance by the Respondent with related laws and regulations; the sufficiency of the Respondent's financial resources; the availability, quality and adaptability of the Respondent's equipment, supplies and/or services to the required use; the ability of the respondent to provide future maintenance, service and parts.

The University has established formal protest procedures. For more information about these procedures, contact the Buyer of Record.

In case of any doubt or difference of opinion as to the items and/or services to be furnished hereunder, the decision of the Assistant Vice President Management Services, UM System shall be final and binding upon all parties.

The University reserves the right to accept or reject any or all bids and to waive any technicality or informality.

5. **Contract Award and Assignment:** The successful Respondent(s) shall, within ten (10) days after the receipt of formal notice of award of the contract, enter into a contract prepared by the University. The Contract Documents shall include the Advertisement for Request for Bids, Specifications and Addenda, Exhibits, Request for Bid Form, Form of Contract, Statement of
Work, Letter of Award, University Purchase Order, and Form of Performance Bond, if required.

The contract to be awarded and any amount to be paid thereunder shall not be transferred, sublet, or assigned without the prior approval of the University.

6. **Contract Termination for Cause:** In the event the Contractor violates any provisions of the contract, the University may serve written notice upon Contractor and Surety setting forth the violations and demanding compliance with the contract. Unless within ten (10) days after serving such notice, such violations shall cease and satisfactory arrangements for correction be made, the University may terminate the contract by serving written notice upon the Contractor; but the liability of Contractor and Surety for such violation; and for any and all damages resulting there from, as well as from such termination, shall not be affected by any such termination.

7. **Contract Termination for Convenience:** The University reserves the right, in its best interest as determined by the University, to cancel the contract by given written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.

8. **Warranty and Acceptance:** The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished or adopted by the University, (2) be fit and sufficient for the purpose expressed in the RFP, (3) be merchantable, (4) be of good materials and workmanship, (5) be free from defect. Such warranty shall survive delivery and shall not be deemed waived either by reason of the University's acceptance of or payment for such equipment, supplies, and/or services.

No equipment, supplies, and/or services received by the University pursuant to a contract shall be deemed accepted until the University has had a reasonable opportunity to inspect said equipment, supplies and/or services. All equipment, supplies, and/or services which do not comply with specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.

9. **Payment:** Preferred settlement method is through the use of Electronic Accounts Payable solutions. Payment terms associated with these forms of payment will be issued as net 30 after the date of invoice. Payment terms associated with settlement by check will be considered to be net 30 days. Cash discounts for prompt payment may be offered but they will not be considered in determination of award unless specifically stated in the Detailed Specifications and Special Conditions. The University may withhold payment or make such deductions as may be necessary to protect the University from loss or damage on account of defective work, claims, damages, or to pay for repair or correction of equipment or
supplies furnished hereunder. Payment may not be made until satisfactory delivery and acceptance by the University and receipt of correct invoice have occurred.

For consulting services and/or contract labor services performed for MU Health Care, the hourly rate and the number of hours worked must be included in the agreement and/or on the invoice submitted. Payment will not occur unless this information has been provided.

The University encourages suppliers to opt into its Single-Use Account (SUA) credit card program for payment of invoices. The SUA is an electronic, credit card-based payment solution that acts like a check. It provides a single 16-digit virtual account number for each payment. Similar to a check, the credit limit on each SUA is set to the specific payment amount. Payment terms for Suppliers who participate in the SUA program are Net 0 as opposed to the standard Net 30 terms.

10. **Accounting Practices**: The Contractor shall maintain, during the term of the contract, all books of account, reports, and records in accordance with generally accepted accounting practices and standard for records directly related to this contract. The Contractor agrees to make available to the University, during normal business hours, all book of account, reports and records relating to this contract for the duration of the contract and retain them for a minimum period of one (1) year beyond the last day of the contract term.

11. **Debarment and Suspension Certification**: The contractor certifies to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency in accordance with Executive Order 12549 (2/18/86).

12. **Cooperative Purchasing**: The intended coverage of this RFP, and any Agreement resulting from this solicitation, shall be for the use by all faculty, staff, students, departments, locations and affiliates of the University of Missouri, including MU Health Care.

The University of Missouri System seeks to make the terms and prices of this contract available to other higher education institutions and public entities in the State of Missouri. Extension of the terms and prices to any or all other Missouri higher education institutions and public entities is at the discretion of respondents and shall not be considered in the award of this contract. The contractor shall further understand and agree that participation by other higher education institutions and public entities is discretionary on the part of these institutions, and the University of Missouri System bears no financial responsibility for any payments due the contractor by such entities, nor will the University be responsible for contract administration for other institutions.
UNIVERSITY OF MISSOURI

DETAILED SPECIFICATIONS AND SPECIAL CONDITIONS

1. **GENERAL:**

The Curators of the University of Missouri, a public corporation, on behalf of the University of Missouri, hereinafter referred to as “Generator” proposes to contract with an organization, company, or individual, hereinafter referred to as "Disposer" whereby Disposer will be granted the right to provide transport, treatment, recycling and/or disposal of hazardous waste materials for the University of Missouri. Services are to be provided at the direction of the Generator through the Department of Environmental Health and Safety. Disposer shall provide for the transport, treatment, recycling and/or disposal of chemical waste materials.

2. **CONTRACT PERIOD:**

The contract period shall be from the date of award for five (5) years with the option to renew for two (2) one-year periods.

The Curators of the University of Missouri is a public corporation and, as such, cannot create an indebtedness in any one year (the fiscal year beginning July 1 to June 30) above what they can pay out of the annual income of said year as set forth in Section 172.250 RS MO. Therefore, if the University determines it has not received adequate appropriations, budget allocations or income to enable it to meet the terms of this contract, the University reserves the right to cancel this contract with thirty (30) days’ notice.

Confidentiality of Information:

All records received from a Supplier will be deemed public records and presumed to be open. If the supplier submits with the Request for Bid any information claimed to be exempt under the Revised Statues of Missouri, Chapter 610, this information must be placed in a separate envelope and marked with:

"This data shall not be disclosed outside the University or be duplicated, used, or disclosed in whole or in part for any purpose other than to evaluate the Request for Bid; however, if a contract is awarded to this Supplier as a result of or in connection with the submission of such information, the University shall have the right to duplicate, use, or disclose this information to the extent provided in the contract. This restriction does not limit the University's right to use information contained herein if it is obtained from another source."
3. **PAYMENT TERMS AND CONDITIONS:**

Payment in full will be made within thirty (30) days after receiving invoices for good/services rendered as meeting all performance specifications. The University reserves the right to withhold a portion of the payment until the services have been completed. Any different payment terms desired by the respondent must be clearly stated and may or may not be accepted by the University.

Preferred settlement method is through the use of Electronic Accounts Payable solutions. Payment terms associated with these forms of payment will be issued as net 30 after the date of invoice. Payment terms associated with settlement by check will be considered to be net 30 days. Cash discounts for prompt payment may be offered but they will not be considered in determination of award unless specifically stated in the Detailed Specifications and Special Conditions. The University may withhold payment or make such deductions as may be necessary to protect the University from loss or damage on account of defective work, claims, damages, or to pay for repair or correction of equipment or supplies furnished hereunder. Payment may not be made until satisfactory delivery and acceptance by the University and receipt of correct invoice have occurred.

The University encourages suppliers to opt into its Single-Use Account (SUA) credit card program for payment of invoices. The SUA is an electronic, credit card-based payment solutions that acts like a check. It provides a single 16-digit virtual account number for each payment. Similar to a check, the credit limit on each SUA is set to the specific payment amount. Payment terms for Suppliers who participate in the SUA program are Net 10 as opposed to the standard Net 30 terms.

4. **CONTRACT REQUIREMENTS:**

A. The term of the Agreement shall be for a five-year period with an effective beginning date of the date of award unless otherwise specified. This effective constitutes the start of the “contract year.” After the initial term, the contract may be automatically renewed for each of three additional one-year periods unless either party provides written notice at least 60 days in advance of intent to terminate the contract at the end of the current contract year. The Disposer may submit a price increase bid NOT TO EXCEED 3% of each individual waste stream price, from the previous year no less than 60 days prior to the start of the next contract year. ANY SUCH REQUEST must include justification for each price increase. The Generator shall then accept or reject, in writing, the new price bid within 30 days.

B. Bids are requested for the transport, treatment, recycling and/or disposal of chemical waste materials generated by the Generator. The services to be rendered, the terms and conditions under which they are available and their cost shall be provided on the attached Bid Form. The services may be limited to those associated with current Generator waste management practices as outlined below.
C. Transfer of chemical waste materials and title to the same shall be at the time the Disposer takes possession of and removes the chemical waste materials from the Generator's premises.

D. Title, Risk of Loss, and all other incidents of ownership to the chemical waste materials shall be transferred from the Generator and shall be vested in the Disposer.

E. The Disposer must be prepared to warrant that the Disposer’s facility is not currently closed and that closure is not imminent.

F. The Disposer must be prepared to warrant that all Disposer services associated with the transport, storage, recycling, and/or disposal of chemical waste materials accepted from the Generator will be in full compliance with all governmental laws, regulations, and order and that all Disposer facilities are licensed and permitted to transport, store, recycle, and/or dispose of those chemical waste materials covered by the contract. Copies of the appropriate licenses or permits shall be submitted with the Respondent’s bid.

In matters of interpretation of law, the Generator reserves the right of final decision.

G. Any changes in the legal status of any of the Disposer's facilities must be promptly communicated in writing to the Director of Environmental Health and Safety, University of Missouri, 180 General Services Building, Columbia, Missouri, 65211. This notification is in addition to any other notifications required by the General Conditions.

H. The Disposer shall submit with their bid any generic agreements, terms and conditions, or contracts for review by the Generator's legal office. The Disposer shall clearly state any special condition and/or restrictions on acceptance of any of the chemical waste materials identified herein. This shall be done using the “Respondent’s Comments” section on the Bid Form. Should the Disposer and the Generator fail to reach agreement on the terms and conditions, the Generator reserves the right to award to another Disposer.

I. The Generator reserves the right to inspect and evaluate the Disposer’s facilities to determine whether the Disposer can meet the terms and conditions of the contract, and the Generator reserves the right to base the award on the inspection.

5. **AWARD OF CONTRACT:**

A. Award of the contract shall be made using the lowest total and/or item prices (based on the estimated quantities that will be shipped), and the best overall bid which conforms to the requirements stated in these specifications. The Disposer certifies
that they meet all requirements stated herein and any change during the life of the contract may result in contract cancellation without penalty to the Generator.

B. Award shall be made to a primary Disposer and at least one secondary Disposer. The Generator intends to use the Disposer with the best price whenever feasible. However, when prompt removal is required the Generator reserves the right to use the Disposer with the best removal schedule.

6. **MANDATORY SPECIFICATIONS OF BID:**

A. It is the purpose of this bid to obtain as complete data as possible from each Disposer to enable the Generator to determine which Disposers are best able to serve all of the criteria which are to be considered in the award of this bid. To this end, each Disposer must furnish as a part of their bid a complete general description of their capabilities in the field of the disposal of chemical waste materials. The “Company Information” form must be completed as part of this information.

B. Each Disposer must submit a list of client references which contains the names and address of a minimum of three (3) current Colleges and Universities which have used the Disposer’s services for a period of two (2) or more years and two (2) past College and University clients who are no longer using the Disposer’s services.

C. Each Disposer must submit a description of their ability to track and control waste from the Generator’s pick-up site to the Disposer’s final disposal site. This shall include a detailed description of their manual and electronic record-keeping ability pertaining to manifesting, shipping, and final disposal of chemical waste materials. These tracking procedures must provide, upon Generator request, up to date information pertaining to the current location and status of all chemical waste materials. Specifically, this is to include: location and status while in storage and location and status while awaiting disposal, including intended disposal method.

D. The Generator shall provide packaging for all chemical waste material shipments. This packaging shall meet Federal, State, and/or local requirements. In interpretation of these matters, the Generator’s interpretation shall be accepted by the Disposer, unless Disposer is able to provide written evidence documenting that the Generator’s interpretation does not meet Federal, State, and/or local requirements.

E. Each Disposer must be able to pick-up chemical waste materials no later than 14 days AFTER notification by the Generator that chemical waste materials are ready for pick-up.
F. Requirements for Payment include:

1) Invoice: An invoice for each individual shipment from any MU Site must be submitted to the Department of Environmental Health and Safety, University of Missouri, 180 General Services Building, Columbia, Missouri, 65211, for review and approval. The invoice must include a waste stream identifier (e.g. the MU Waste Stream name, the vendor’s profile number, etc.) which is applicable to each chemical waste material in the shipment.

2) Manifest: The Disposer must return to the Generator all “Designated facility to generator State (if required)” pages and all “Designated facility to generator” pages for a shipment before any invoice for services rendered will be processed for payment. All returned manifest pages of type EPA Form 8700-22 must bear the printed/typed name and signature of the person accepting the shipment for the facility as well as the date of acceptance in item 20, “Designated Facility Owner or Operator Certification of Receipt (Except as noted in Item 18A).”

3) Certificate of Destruction: A Certificate of Destruction must be submitted before any invoice for services rendered will be processed for payment. All chemical waste materials on a shipment must be destroyed before any invoice for services rendered will be processed for payment. At a minimum, the Certificate of Destruction must show the following information:

a) Manifest Document Number for the shipment
b) A cross reference between the line on the Certificate of Destruction and the corresponding page and line on the manifest
c) Name of the MU Generator Site that made the shipment
d) Name of the Hazardous Waste Facility that performed the destruction
e) Address of the Hazardous Waste Facility that performed the destruction
f) EPA ID number of the Hazardous Waste Facility that performed the destruction
g) Final handling code for each chemical waste material on the shipment showing how the chemical waste material was destroyed (exception for H141 code material)
h) Date of destruction for each chemical waste material on the shipment (exception for H141 code material)

G. The effective invoice issuance date will be equivalent to the most recent date associated with receipt of the last item described in F. (requirements for payment) is received by MU for all items on a given invoice.
7. **BACKGROUND & MISCELLANEOUS INFORMATION:**

A. The Generator is a large quantity generator (LQG), small quantity generator (SQG), and conditionally exempt small quantity generator (CESQG) of RCRA and Missouri State hazardous wastes as well as non-RCRA chemical wastes and non-hazardous chemical wastes.

B. Listed below is the current LQG site.

1. MU – Resource Recovery Center, 1710 E. Campus Loop, Columbia, MO, 65211, MOD 006 326 904

C. Listed below are the current SQG sites located throughout the State of Missouri. The Generator reserves the right to add or delete sites during the term of this contract.

**SMALL QUANTITY GENERATOR SITES**

**Columbia Area (within City limits)**

1. MU – Mizzou North, 115 Business Loop 70 West, Columbia, MO, 65211, MOD 985 772 037.
2. MU – Printing Services, 2800 Maguire, Columbia, MO, 65211, MOD 985 799 014.
3. MU – Women’s and Children’s Hospital, 404 Keene Street, Columbia, MO, 65211, MOD 070 337 415.

**Outside Columbia Area (Outside City limits)**

1. MU – South Farm, 3600 East New Haven Road, Columbia, MO, 65201, MOP 000 001 111.

D. Listed below are the current CESQG sites located throughout the State of Missouri. The Generator reserves the right to add or delete sites during the term of this contract.

**CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR SITES**

**Columbia Area (within city limits)**

1. MU – Allton Building, 301 Business Loop 70 West, Columbia, MO, 65211.
2. MU – Health Science Center – Facility Design and Development, 2401 Lemone Industrial Drive, Columbia, MO, 65211.
3. MU – Nephrology Research Laboratory, 3300 LeMone Boulevard, Columbia, MO, 65211.
4. MU – Fairview Clinic – 101 South Fairview Road, Columbia, MO, 65203.
5. MU – Green Meadows Clinic, 3217 S. Providence Road, Columbia, MO, 65211.
6. MU – Green Meadows Clinic, 3217 S. Providence Road, Columbia, MO, 65211.
7. MU – South Providence Medical Building, 551 East Southampton Drive, Columbia, Mo 65201
8. MU – Thompson Center, 205 Portland Street, Columbia, Mo 65211
9. MU – Bay Farm, 5601 South Rangeline Road, Columbia, Mo, 65201
8. MU – 4011 Discovery Drive, Columbia, MO 65201

**Outside Columbia Area (Outside city limits)**

1. MU – Middlebush Equine Center – Veterinary Pathobiology, Highway 63 South, Columbia, MO, 65211.
2. MU – South Farm – Research Support Services, 3600 East New Haven Road, Columbia, MO, 65211.
3. MU – Delta Center – College of Agriculture, P.O. Box 160, Portageville, MO, 63873.
4. MU – Southwest Center, 14548 Highway H, Mt. Vernon, MO, 65712.
5. MU – University Physicians – Fayette Clinic, 308 South Church, Fayette, MO, 65248.
6. MU – University Physicians – Fulton Clinic, 110 N. Hospital Drive, Fulton, MO, 65251.
7. MU – University Physicians – Jefferson City Clinic, 1620 Southridge Drive, Jefferson City, MO, 65109.

E. The Disposer’s bid response should indicate a single price that will cover all locations. If the Disposer is unable to comply with this, for any reason whatsoever, indicate this fact on the “Respondent’s Comments” section attached to the Bid Form. Additional fees for off-site locations will not disqualify the Disposer’s bid, but it will be taken into account in determining the award of bid.

F. The Generator requires the Disposer to provide a “waste stream approval to shipment date” turn-around time of 30 days or less, for as many of the Generator’s waste streams as possible.

G. The Generator will provide all chemical waste materials to the Disposer in properly labeled and marked DOT compliant packagings. The Generator will pack all lab packs per DOT requirements. The Generator will provide to the Disposer all Federal and State required shipping documentation for each shipment. The Generator will comply with any Disposer request to sign Disposer provided shipping documents except for manifests, which will always be provided by the Generator. The cost of
quality control activities (including any expendable supplies) performed by the Disposer during the pick-up of chemical waste materials, as well as the cost of transportation, must be factored into the per container disposal cost quotation.

H. The Generator will utilize 5 gallon, 10-gallon, 15- gallon, 30-gallon and 55-gallon steel and plastic non-removable head DOT compliant packagings for liquid wastes. The Generator will utilize DOT compliant 2-gallon, 5-gallon, 10-gallon, 15-gallon, 30-gallon, and 55-gallon steel and plastic removable head drums, and/or 4G cardboard boxes for solid wastes, special packs and lab packs. Appropriate absorbent material as selected by the Generator will be used in all lab packs and special packs. The Generator will utilize steel and plastic salvage drums as necessary. Containerization recommendations from the Disposer will be considered by the Generator. A disposal cost quotation is required for each of the container sizes applicable to each listed MU Waste Stream.

I. The Generator consolidates chemical waste materials and is impacted by the mixture rules and derived from rules. This impact causes the Generator’s chemical waste materials to have RCRA codes that may differ from those found at other generator sites. Specific drums may be described by various combinations of characteristic codes (D-codes) and listing codes (F-codes), including codes for unused chemicals (P-codes and U-codes). The description of specific drums may include characteristic codes for properties that the aggregate chemical waste material no longer exhibits. For each listed MU Waste Stream, the Generator is requesting the Disposer to provide a brief name or description of the management strategies which will lead to the lowest per container disposal cost. This description should primarily focus on segregation by RCRA codes, but may also include other parameters. A disposal cost quotation is requested for each of the management strategies described for each listed MU Waste Stream.

The Generator reserves the right to select the best management strategy for each and every MU Waste Stream.

J. The Generator requires the Disposer to allow for generic profiling of the waste streams generated at MU Generator Sites. The Generator is willing to supply container specific information either before each shipment for pre-approval or with each shipment. The Generator is willing to supply samples to the Disposer upon request, for the purposes of compliance with the Disposer’s TSDF permit and for treatability studies. The Disposer is required to provide the sampling containers and either pick-up the samples or arrange for their transport. The cost of handling and analyzing samples, if any, must be factored into the per container disposal cost quotation. The cost of waste stream approval, if any, must also be factored to the per container disposal cost quotation.
K. The Disposer is required to use the lowest quoted management strategy (i.e. cost), whether that is their primary strategy or not, unless written exception is requested and approved prior to shipment of material.

L. Exhibits 1-4 in the Bid Form show the required format for the response to this bid request.

Each disposal cost quotation must be for the total cost per container including approval costs, transportation costs, all fees and surcharges (including current or future fuel surcharges), as well as disposal costs. (REMINDER: All containers and packing materials are supplied by the GENERATOR.)

8. **Waste Stream Specifications**

A detailed description of each MU Waste Stream is contained in the following “Waste Stream Section”.

**Waste Stream Section**

The Waste Stream Section is divided into four subsections: Specific Streams, Generic Streams, Lab Pack/Special Pack Streams, and Poison Inhalation Hazard Streams. Subsection A, Specific Streams, contains the description of those bulk drum wastes that are relatively consistent and narrowly defined. Subsection B, Generic Streams, contains the description of those bulk drum wastes that vary from drum to drum and are generally defined. Subsection C, Halogenated and Non-halogenated Streams, contains a description of generic bulk drum wastes primarily containing organic solvents. Subsection D, Aqueous Solvent Streams, contains a description of generic bulk drum wastes primarily containing aqueous solvents.. Subsection E, Lab Pack Streams, contains how lab pack wastes are segregated by the Generator.. Subsection F, Special Pack Streams, contains how special packs are segregated by the Generator. Subsection G, Poison Inhalation Hazard Streams, contains a description of how PIH wastes are segregated by the Generator. Section H contains a description of the Universal Waste.

The following is a description of the format used to list the MU Waste Streams in Subsections A, B, C, and D. Certain elements of this format are also used in Sections E, F, G, and H.

- **Name:**
  
  *This element provides a unique name of the waste stream.*

- **Description:**
  
  *This element provides a unique description of the waste stream.*

- **Fixed Waste Code(s):**
  
  *This element, if present, contains a list of one or more hazardous waste codes that will always be assigned to the waste stream. If this element is not present,
then the Possible Waste Code(s) element described below, will instead be present.

Possible Waste Code(s):
This element, if present, will contain a list of one or more hazardous waste codes that may be independently assigned to the waste stream (i.e., no single container of the waste stream will necessarily have all of the codes listed). If this element is not present, then the Fixed Waste Code(s) element above will be present. If the Fixed Waste Code(s) element is also present, then these are additional hazardous waste codes that may be assigned to the waste stream under certain circumstances.

Typical Composition:
This element will list either the known or the estimated concentrations or concentration ranges for the constituents in the waste stream. This information is not for profiling purposes, it is provided for bidding purposes. More detailed constituent information will be provided to each Disposer awarded this contract for required profiling.

Estimated Annual Quantity:
This element will list the quantity of the waste stream that is anticipated to be generated in a typical year of the contract. The quantity may be expressed in either gallons for specific and generic wastes (both liquids and solids), or number of drums for lab pack, special pack, and PIH wastes. The Disposer must realize that responses to this bid may not result in a single award and no single Disposer is guaranteed of getting any or all of this quantity.

Comments:
If this element is present, it will list additional information concerning the waste stream such as pH ranges and composition details.

Containers:
This element will list the sizes and types of containers that will be used to ship the waste stream. All containers will be DOT compliant packagings. A disposal cost quotation is required for each of the container sizes listed.
Waste Stream Section, Subsection A – Specific Streams

1. Name: Barsol and water solution
   Description: Aqueous solvents from printing operations (flammable)
   Fixed Waste Code(s): D001
   Typical Composition: 2-8% Organic solvents
                       92-98% Water
   Estimated Annual Quantity: 1000 gallons
   Comments: Aqueous solvent with high percentage of water
               (flashpoint < 142° F)
   Containers: 15-gallon, 30-gallon, and 55-gallon plastic non-removable head

2. Name: Woodruff buffer
   Description: Woodruff Buffer Solutions
   Fixed Waste Code(s): None
   Typical Composition: 0.1% Calcium acetate
                       0.1% Calcium hydroxide
                       0.1% Salicylic acid
                       0.2% p-Nitrophenol
                       2.0% Soil
                       97.5% Water
   Estimated Annual Quantity: 200 gallons
   Comments: pH 6-12; not RCRA regulated waste; cannot be disposed of locally; shipped as non-RCRA regulated waste
   Containers: 15-gallon, 30-gallon, and 55-gallon plastic non-removable head

3. Name: Flammable paint rags with heavy metals
   Description: Rags contaminated with paint-related materials and potentially all inorganic TC elements including mercury
   Fixed Waste Code(s): D001
   Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, F003, F005
   Typical Composition: 1% Paint material with inorganic TC elements
2% Organic solvents
97% Rags, paper towels

Estimated Annual Quantity: 660 gallons
Comments: Contaminated solid refuse; mercury less than 260 ppm
Containers: 10-gallon, 15-gallon, 30-gallon, and 55-gallon removable head drums or fiberboard boxes.

4. Name: Soy based ink
Description: Printing ink containing no regulated elements (NR)
Fixed Waste Code(s): None
Typical Composition: 100% Soy based oil pigments
Estimated Annual Quantity: 240 gallons
Comments: Heavy Sludge, shipped as a solid; non-RCRA regulated waste; cannot be disposed of locally; shipped as Special Waste
Containers: 30-gallon removable head

5. Name: Medicines in vials
Description: Medicines, liquid
Possible Waste Code(s): D010, D011, D013, P042, P075, P081, U010, U035, U058, U059, U089, U150, U182, U188, U200, U206, U248
Typical Composition: 50% Liquid medicines
50% Solid refuse (glass vials, plastic bags, tubing, etc.)
Estimated Annual Quantity: 300 gallons
Comments: Non-Infectious, Non-Radioactive; Drums of this waste stream will contain intact bottles and bags of liquid medicines which will contain a range of volume from residue to full.
Containers: 5-gallon, 10-gallon, and 30-gallon removable head drums or fiberboard boxes.

6. Name: Oil based paint with heavy metals
Description: Oil based paints; potentially containing all inorganic TC elements including mercury
Fixed Waste Code(s): D001, D098
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, D035, D098, U002, U031, U140, U154, U159, U161, U220, U239
Typical Composition: 1% Paint related heavy metal compounds
49% Paint pigments
50% Paint related oil
Estimated Annual Quantity: 60 gallons
Comments: Flash point less than 141° F; mercury less than 260 ppm
Containers: 15-gallon, 30-gallon and 55-gallon plastic or non-removable head

7. Name: Water based paint with metals
Description: Water based paints; potentially containing all inorganic TC elements including mercury
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011
Typical Composition: 1% Paint related heavy metal compounds
49% Paint pigments
50% Water
Estimated Annual Quantity: 120 gallons
Comments: Flash point 142° F or greater; mercury less than 260 ppm
Containers: 15-gallon, 30-gallon and 55-gallon plastic or non-removable head

8. Name: Broken fluorescent bulbs
Description: Broken fluorescent bulbs
Fixed Waste Code(s): D009
Typical Composition: < 0.0001% Mercury salts
99.99+% Glass, metal, etc
Estimated Annual Quantity: 385 gallons
Comments: Mercury less than 260 ppm
Containers: 5 gallon, 10 gallon, 15-gallon, 30-gallon, and 55-gallon removable head drums or fiberboard boxes.

9. Name: Mercury containing devices
Description: Mercury containing devices
Fixed Waste Code(s): D009
Possible Waste Code(s): D008
Typical Composition: 2-4% Elemental mercury
96-98% Intact devices containing mercury*
Estimated Annual Quantity: 85 gallons
Comments: *Devices will include thermometers, barometers, mercury switches, sphygmomanometers, etc.; Mercury greater than 260 ppm
Containers: 5 gallon, 10 gallon, 15-gallon, 30-gallon, and 55-gallon removable head drums or fiberboard boxes.

Waste Stream Section, Subsection B - Generic Streams

10. Name: Aqueous Solutions (pH <2)
Description: Aqueous Solutions, Corrosive, Acids only
Fixed Waste Code(s): D002
Typical Composition: 10-30% Acids
70-90% Water
Estimated Annual Quantity: 690 gallons
Comments: pH less than or equal to 2; contains inorganic and organic acids (for example Hydrochloric, Sulfuric, Phosphoric, and Acetic Acids)
Containers: 15-gallon, 30-gallon and 55-gallon plastic non-removable head

11. Name: Aqueous Solutions (pH>12.5)
Description: Aqueous Solutions, Corrosive, Bases only
Fixed Waste Code(s): D002
Typical Composition: 10-30% Bases
70-90% Water
<table>
<thead>
<tr>
<th>Estimated Annual Quantity:</th>
<th>470 gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comments:</td>
<td>pH greater than or equal to 12.5; contains inorganic bases (for example sodium, potassium, and ammonium hydroxides)</td>
</tr>
<tr>
<td>Containers:</td>
<td>15-gallon, 30-gallon and 55-gallon plastic non-removable head</td>
</tr>
</tbody>
</table>

12. Name: Oxidizing Acids
Description: Aqueous Solutions, Corrosive, Oxidizing acids potentially containing all inorganic TC elements including mercury
Fixed Waste Code(s): D001, D002
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011
Typical Composition: 10-30% Acidic DOT oxidizers 30-70% Water <1% Inorganic salts
Estimated Annual Quantity: 180 gallons
Comments: pH less than or equal to 2; acid will be predominantly nitric acid; mercury less than 260 ppm.
Containers: 15-gallon, 30-gallon and 55-gallon plastic non-removable head

13. Name: Basic Cyanide/Sulfide Solutions
Description: Aqueous Solutions, Cyanide and/or sulfide solutions, basic, potentially containing inorganic TC elements including mercury
Fixed Waste Code(s): D002, D003
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, P098, P106, U188, U246
Typical Composition: 5-10% Inorganic bases and salts 5-10% Organic compounds 0.01-2% Cyanides and/or sulfides* 80-90% Water
Estimated Annual Quantity: 30 gallons
14. **Name:** Acidic heavy metal solution with Hg  
   **Description:** Aqueous, Inorganic Acidic solutions, potentially containing all inorganic TC elements including mercury  
   **Fixed Waste Code(s):** D002  
   **Possible Waste Code(s):** D004, D005, D006, D007, D008, D009, D010, D011, U134  
   **Typical Composition:** 1-5% Organic compounds  
   5-8% Inorganic acids and salts  
   90-95% Water  
   **Estimated Annual Quantity:** 210 gallons  
   **Comments:** pH less than or equal to 2; mercury less than 260 ppm  
   **Containers:** 15- gallon, 30-gallon and 55-gallon plastic non-removable head

15. **Name:** Basic heavy metal solution with Hg  
   **Description:** Aqueous, Inorganic, Basic solutions, potentially containing inorganic TC elements including mercury  
   **Fixed Waste Code(s):** D002  
   **Possible Waste Code(s):** D004, D005, D006, D007, D008, D009, D010, D011  
   **Typical Composition:** 1-5% Organic compounds  
   5-8% Inorganic bases and salts  
   90-95% Water  
   **Estimated Annual Quantity:** 180 gallons  
   **Comments:** pH greater than or equal to 12.5; mercury less than 260 ppm  
   **Containers:** 15-gallon, 30-gallon and 55-gallon plastic non-removable head
16. Name: Neutral heavy metal solution with Hg  
Description: Aqueous, Inorganic, neutral solutions, potentially containing all inorganic TC elements including mercury  
Fixed Waste Code(s): None  
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, U134  
Typical Composition: 1-5% Organic compounds  
5-8% Inorganic salts  
90-95% Water  
Estimated Annual Quantity: 1,850 gallons  
Comments: pH 2.1-12.4; mercury less than 260 ppm  
Containers: 15-gallon, 30-gallon and 55-gallon plastic non-removable head

17. Name: Acidic organic solutions with Hg  
Description: Aqueous, Organic (non-solvent, non-flammable), Acidic solutions, potentially containing inorganic TC elements including mercury  
Fixed Waste Code(s): D002  
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, D022, P042, P075, P105, P116, U007, U035, U103, U119, U122, U123, U134, U170, U182, U188, U191, U201, U202, U206, U219, U236  
Typical Composition: 1-2% Inorganic acids and salts  
6-12% Organic compounds  
86-93% Water  
Estimated Annual Quantity: 265 gallons  
Comments: pH less than or equal to 2; mercury less than 260 ppm  
Containers: 15-gallon, 30-gallon and 55-gallon plastic non-removable head

18. Name: Basic organic solutions with Hg  
Description: Aqueous, Organic (non-solvent, non-flammable), Basic solutions, potentially containing inorganic TC elements including mercury  
Fixed Waste Code(s): D002
### 19. Name:
Neutral organic solutions with Hg

### Description:
Aqueous, Organic (non-solvent, non-flammable), Neutral solutions, potentially containing inorganic TC elements including mercury

### Possible Waste Code(s):
D004, D005, D006, D007, D008, D009, D010, D011, D022, P042, P075, P105, P116, U007, U035, U103, U119, U122, U123, U134, U170, U182, U188, U191, U201, U202, U206, U219, U236

### Typical Composition:
1-2% Inorganic bases and salts
6-12% Organic compounds
86-93% Water

### Estimated Annual Quantity:
85 gallons

### Comments:
pH greater than or equal to 12.5; mercury less than 260 ppm

### Containers:
15-gallon, 30-gallon and 55-gallon plastic non-removable head

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### 20. Name:
Heavy metal CSR with Hg

### Description:
Bulk Mercury Contaminated Solid Refuse (CSR) potentially containing other inorganic TC elements

### Fixed Waste Code(s):
D009

### Possible Waste Code(s):
U151, D004, D005, D006, D007, D008, D010, D011
Typical Composition: 1-2% Mercury metal
1-2% Inorganic TC elements other than mercury
96-98% Glass, metal, paper, plastic, etc.

Estimated Annual Quantity: 665 gallons

Comments: Material includes solid refuse, such as filter paper, flooring, and PPE contaminated with mercury metal and other inorganic TC elements. Also contains equipment, such as broken thermometers and other laboratory equipment; mercury greater than 260 ppm

Containers: 5-gallon, 10-gallon, 15-gallon, 30-gallon and 55-gallon removable head drums or fiberboard boxes.

21. Name: Heavy Metal CSR (no Hg)
Description: Inorganic TC elements Contaminated Solid Refuse (CSR), no mercury
Possible Waste Code(s): D004, D005, D006, D007, D008, D010, D011
Typical Composition: 1-2% Inorganic TC elements
98-99% Glass, paper, metal, plastic, etc.
Estimated Annual Quantity: 60 gallons
Comments: Materials includes solid refuse, such as filter paper, laboratory equipment, and PPE contaminated with inorganic TC elements.
Containers: 5-gallon, 10-gallon, 15-gallon, 30-gallon and 55-gallon removable head drums or fiberboard boxes.

22. Name: Flammable CSR with Hg
Description: Flammable Contaminated Solid Refuse (CSR), potentially containing inorganic TC elements including mercury
Fixed Waste Code(s): D001
Possible Waste Code(s): D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D027, D028, D029, D032, D035, D038, D039, D040, D098, F002, F003, F004, F005
Typical Composition: <1% Inorganic TC elements
1-3% Organic solvents
97-99% Solid refuse
### 23. Name: Heavy metal bulk solid  
**Description:** Bulk Inorganic Solids, mercury content less than 260 ppm  
**Fixed Waste Code(s):** D009  
**Possible Waste Code(s):** D001, D003, D004, D005, D006, D007, D008, D010, D011  
**Typical Composition:**  
- 99+% Miscellaneous materials such as glass, plastic, dirt, PPE, etc.  
- 1% Inorganic heavy metal compounds  
**Estimated Annual Quantity:** 180 gallons  
**Comments:** Mercury less than 260 ppm  
**Containers:** 5-gallon, 10-gallon, 15-gallon, 30-gallon and 55-gallon removable head drums or fiberboard boxes.

### 24. Name: Leaking lead acid batteries  
**Description:** Lead acid batteries, leaking  
**Fixed Waste Code(s):** D002, D008  
**Typical Composition:** 100% Lead acid batteries  
**Estimated Annual Quantity:** 115 gallons  
**Comments:** None  
**Containers:** 5-gallon, 10-gallon, 15-gallon, 30-gallon, and 55-gallon removable head
25. Name: Paint solids containing flammable or corrosive liquids
Description: Paint solids containing flammable and/or corrosive liquids
Fixed Waste Code(s): None
Possible Waste Code(s): D001, D008
Typical Composition: <1% Lead salts
                       3-10% Organic solvents and/or hydroxides
                       90-97% Solid paint refuse
Estimated Annual Quantity: 330 gallons
Comments: This waste consists of paint solids and sludges that contain enough absorbed organic solvents and/or hydroxides to be considered hazardous, but not enough to yield a free flowing liquid
Containers: 15-gallon, 30-gallon and 55-gallon removable head

26. Name: Lead paint chips
Description: Paint chips contaminated with lead
Fixed Waste Code(s): D008
Typical Composition: <1% Lead salts
                       0-9% Lead CSR
                       90-99% Paint chips
Estimated Annual Quantity: 170 gallons
Comments: This waste consists of paint chips containing lead above regulated levels; may contain other lead contaminated solid refuse (i.e. plastic, PPE, etc.
Containers: 5-gallon, 10-gallon, 15-gallon, 30-gallon and 55-gallon removable head drums or fiberboard boxes.

27. Name: Organic Solvents
Description: Non-Halogenated solvents
Possible Waste Code(s): D001, D098, F003, F005
Typical Composition: 83-93% Organic solvents
                       5-10% Organic compounds
                       1-5% Inorganic compounds
                       1-5% Water
Estimated Annual Quantity: 4,600 gallons
Comments: pH 2.1-12.4; water content <10%. In addition to drums of mixed solvents, this waste stream will include drums of paint solvents, diesel fuel, and ethanol solutions.

Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon steel non-removable head

28. Name: Soil contaminated with gasoline
   Description: Soil contaminated with gasoline
   Fixed Waste Code(s): D001, D018
   Typical Composition: 1-9% Gasoline
   0-9% Gasoline CSR
   90-99% Soil
   Estimated Annual Quantity: 330 gallons
   Comments: This waste consists of soil contaminated with gasoline; may contain other gasoline contaminated solid refuse (i.e. plastic, PPE, etc.)
   Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon removable head

Waste Stream Section, Subsection C – Halogenated and Non-Halogenated Solvents

NOTE 1: For each MU waste stream in the Halogenated and Non-Halogenated Solvents Mixture substream division, separate disposal cost quotations are requested if there are price breaks available that depend on the final chlorine content of the drum, if that content falls within the constraints described below.

NOTE 2: MU Halogenated solvent waste streams may contain RCRA codes (i.e. P-codes) that will render a drum unacceptable for certain Management Strategies. Please designate any codes on the ‘Possible Waste Codes’ list that are not acceptable for any particular Management Strategy when providing a response for these streams.
29. Name: Acidic halogenated solvents with Hg
Description: Acidic Halogenated and Non-Halogenated solvent mixtures, potentially containing all inorganic TC elements including mercury
Fixed Waste Code(s): D002
Possible Waste Code(s): D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D032, D033, D034, D035, D036, D038, D039, D040, D098, F002, F003, F004, F005, P003, P005, P014, P022, P024, P028, P037, P042, P043, P048, P064, P068, P071, P075, P077, P087, P108, U001, U002, U003, U004, U006, U008, U009, U012, U019, U020, U023, U028, U030, U031, U035, U037, U041, U044, U048, U051, U052, U053, U055, U056, U057, U061, U067, U068, U069, U070, U071, U072, U075, U076, U077, U078, U079, U080, U081, U087, U088, U089, U092, U093, U094, U102, U103, U107, U108, U112, U114, U115, U117, U118, U119, U122, U123, U125, U127, U130, U131, U133, U140, U149, U152, U154, U156, U159, U161, U165, U167, U169, U170, U171, U188, U191, U194, U196, U197, U200, U210, U211, U213, U220, U223, U225, U226, U227, U228, U238, U239, U247, U328, U353, U359
Typical Composition: 83-93% Organic solvents
2-12% Organic and inorganic compounds
1-5% Water
Estimated Annual Quantity: 120 gallons
Comments: pH less than or equal to 2; mercury less than 260 ppm; chlorine concentration 5-25% (typically 10-15%); water < 10%.
Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

30. Name: Halogenated solvents with Hg
Description: Neutral Halogenated and Non-Halogenated solvent mixtures, potentially containing all inorganic TC elements including mercury
Fixed Waste Code(s): None
Possible Waste Code(s): D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025,
Typical Composition: 83-93% Organic solvents
2-12% Organic and inorganic compounds
1-5% Water

Estimated Annual Quantity: 540 gallons

Comments: pH 2.1-12.4, mercury less than 260 ppm; chlorine concentration 5-25% (typically 10-15%); water < 10%.

Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

31. Name: Basic halogenated solvents with Hg
Description: Basic Halogenated and Non-Halogenated solvent mixtures, potentially containing all inorganic TC elements including mercury

Fixed Waste Code(s): D002
Possible Waste Code(s): D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D032, D033, D034, D035, D036, D038, D039, D040, D098, F002, F003, F004, F005, P003, P005, P014, P022, P024, P028, P037, P042, P043, P048, P064, P068, P071, P075, P077, P087, P108, U001, U002, U003, U004, U006, U008, U009, U012, U019, U020, U023, U028, U030, U031, U035, U037, U041, U044, U048, U051, U052, U053, U055, U056, U057, U061, U067, U068, U069, U070, U071, U072, U075, U076, U077, U078, U079, U080, U081, U087, U088, U089, U092, U093, U094, U102, U103, U107, U108, U112, U114, U115, U117, U118, U119, U122, U123, U125, U127, U130, U131, U133, U140, U149, U152, U154, U156, U159, U161, U165, U167, U169, U170, U171, U188, U191, U194, U196, U197, U200, U210, U211, U213, U220, U223, U225, U226, U227, U228, U238, U239, U247, U328, U353, U359
Typical Composition: 83-93% Organic solvents
2-12% Organic and inorganic compounds
1-5% Water

Estimated Annual Quantity: 60 gallons

Comments: pH greater than or equal to 12.5, mercury less than 260 ppm: chlorine concentration 5-25% (typically 10-15%); water < 10%.

Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

Waste Stream Section, Subsection D – Aqueous Solvents

Note: MU Aqueous Solvents Waste Streams may contain RCRA codes (i.e. P-codes) that will render a drum unacceptable for certain Management Strategies. Please designate any codes on the ‘Possible Waste Codes’ list that are not acceptable for any particular Management Strategy when providing a response for these streams.

32. Name: Acidic aqueous solvents with Hg
Description: Acidic solvent/water mixtures, potentially containing all inorganic TC elements including mercury

Fixed Waste Code(s): D002
Possible Waste Code(s): D001, D004, D005, D006,D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D032, D033, D034, D035, D036, D038, D039, D040, D098, F002, F003, F004, F005, P003, P005, P014, P022, P024, P028, P037, P042, P043, P048, P064, P077, U001, U002, U003, U004, U006, U008, U009, U012, U019, U020, U023, U028, U030, U031, U035, U037, U041, U044, U048, U051, U052, U053, U055, U056, U057, U067, U068,
Typical Composition:
10-70% Organic solvents (Halogenated and non-halogenated)
1-12% Organic and inorganic compounds
28-89% Water

Estimated Annual Quantity: 990 gallons
Comments: pH less than or equal to 2; typically 50-60% water; mercury less than 260 ppm; chlorine <5%
Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

33. Name: Aqueous solvents with Hg
Description: Neutral solvent/water mixtures, potentially containing all inorganic TC elements including mercury
Possible Waste Code(s): D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D032, D033, D034, D035, D036, D038, D039, D040, D098, F002, F003, F004, F005, P003, P005, P014, P022, P024, P028, P037, P042, P043, P048, P064, P077, U001, U002, U003, U004, U006, U008, U009, U012, U019, U020, U023, U028, U030, U031, U035, U037, U041, U044, U048, U051, U052, U053, U055, U056, U057, U067, U068, U069, U070, U071, U072, U075, U076, U077, U078, U079, U080, U081, U087, U088, U089, U092, U093, U094, U102, U103, U107, U108, U112, U114, U115, U117, U118, U119, U122, U123, U125, U127, U131, U133, U140, U149, U152, U154, U159, U161, U165, U167, U169, U170, U171, U177, U188, U191, U196, U197, U200, U201, U210, U211, U213, U220, U225, U226, U227, U228, U234, U238, U239, U247, U328, U353, U359
Typical Composition: 10-70% Organic solvents (Halogenated and non-halogenated)
1-12% Organic and inorganic compounds
28-89% Water

Estimated Annual Quantity: 3,385 gallons

Comments: pH 2.1-12.4; typically 50-60% water; mercury less than 260 ppm; chlorine <5%

Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

34. Name: Basic aqueous solvents with Hg
   Description: Basic solvent/water mixtures, potentially containing all inorganic TC elements including mercury

   Fixed Waste Code(s): D002
   Possible Waste Code(s): D001, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D032, D033, D034, D035, D036, D038, D039, D040, D098, F002, F003, F004, F005, P003, P005, P014, P022, P024, P028, P037, P042, P043, P048, P064, P077, U001, U002, U003, U004, U006, U008, U009, U012, U019, U020, U023, U028, U030, U031, U035, U037, U041, U044, U048, U051, U052, U053, U055, U056, U057, U067, U068, U069, U070, U071, U072, U075, U076, U077, U078, U079, U080, U081, U087, U088, U089, U092, U093, U094, U102, U103, U107, U108, U112, U114, U115, U117, U118, U119, U122, U123, U125, U127, U131, U133, U140, U149, U152, U154, U159, U161, U165, U167, U169, U170, U171, U177, U188, U191, U196, U197, U200, U201, U210, U211, U213, U220, U225, U226, U227, U228, U234, U238, U239, U247, U328, U353, U359

Typical Composition: 10-70% Organic solvents (Halogenated and non-halogenated)
1-12% Organic and inorganic compounds
28-89% Water
Estimated Annual Quantity: 110 gallons
Comments: pH greater than or equal to 12.5; typically 50-60% water; mercury less than 260 ppm; chlorine <5%
Containers: 10-gallon, 15-gallon, 30-gallon and 55-gallon non-removable head

Waste Stream Section, Subsection E - Lab Pack Streams

**Lab Packs**

Wastes to be lab packed are first sorted into groups by physical state. Next, each group is sorted by DOT Hazard Class or Division. The exceptions for the shipment of waste materials in 49 CFR 173.12(b) are checked to make sure that only the DOT Hazard Classes or Divisions that can be lab packed are lab packed. Each DOT Hazard Class or Division that can be lab packed is then further sorted by chemical type. Finally, each chemical type is sorted by chemical compatibility for packing. The vendor should provide disposal cost quotations for each combination of MU Waste Stream and container size listed below.

Name: Class 3 lab pack  
Primary DOT Hazard Class or Division: 3, Packing Groups I, II, and/or III

Name: Class 4.1 lab pack  
Primary DOT Hazard Class or Division: 4.1, Packing Groups I, II, and/or III

Name: Class 4.2 lab pack  
Primary DOT Hazard Class or Division: 4.2, Packing Groups II, and/or III

Name: Class 4.3 lab pack  
Primary DOT Hazard Class or Division: 4.3, Packing Groups I, II and/or III

Name: Class 5.1 lab pack  
Primary DOT Hazard Class or Division: 5.1, Packing Groups I, II, and/or III

Name: Class 6.1 lab pack  
Primary DOT Hazard Class or Division: 6.1, Packing Groups II and/or III

Name: Class 8 lab pack  
Primary DOT Hazard Class or Division: 8, Packing Groups I, II, and/or III

Name: Class 9 lab pack  
Primary DOT Hazard Class or Division: 9
Estimated Annual Quantity:  Total of 30 to 75 lab packs of all types and sizes
Containers:  2-gallon, 5-gallon, 10-gallon, 30-gallon, and 55-gallon, removable head drums or fiberboard boxes.

Waste Stream Section, Subsection F - Special Pack Streams

DOT divisions 4.2 PG I and 6.1 PG I cannot be shipped as lab packs per DOT lab pack regulations (49 CFR 172.12(b)(3)). In addition organic peroxides, DOT division 5.2 PG II, require specific packagings and cannot be shipped as lab packs under 49 CFR 173.12. Packages of DOT 4.2 PG I, DOT 5.2 PG II, and DOT 6.1 PG I will be classified as "Special Packs". The Special Packs will conform to all additional requirements listed in 49 CFR 172.101 and described in 49 CFR 173 in addition to any lab pack guidelines required for similar materials specified in 49 CFR 173.12(b)(1). Special Packs will not include poison inhalation hazard (PIH) material. The Disposer should provide disposal cost quotations for each combination of MU Waste Stream and container size listed below.

Name: Class 4.2 special pack
DOT Hazard Class or Division: 4.2, Packing group I

Name: Class 5.2 special pack
DOT Hazard Class or Division: 5.2, Packing Group II

Name: Class 6.1 special pack
DOT Hazard Class or Division: 6.1, Packing group I

Estimated Annual Quantity:  Total of 10 to 15 special packs of differing types and sizes
Containers:  2 gallon, 5-gallon, 10-gallon, 30-gallon, removable head drums or fiberboard boxes.

Waste Stream Section, Subsection G - Poison Inhalation Hazards

All DOT Poison Inhalation Hazard (PIH) materials with a packing group of I and a hazard zone of A will be packaged according to 49 CFR 173.226(c) as specified in 49 CFR 172.101. PIH materials with a packing group of I and a hazard zone of B will be packaged according to 49 CFR 173.227(a) as specified in 49 CFR 172.101. The Disposer should provide disposal cost quotations for each combination of MU Waste Stream and container size listed below.

Name: Class 3 (6.1) PIH Group I, Zone A
DOT Hazard Class or Division: 3, Subsidiary DOT Division 6.1, Packing Group I, Zone A

Name: Class 3 (6.1) PIH Group I, Zone B
DOT Hazard Class or Division: 3, Subsidiary DOT Division 6.1, Packing Group I, Zone B
Name: Class 3 (6.1) PIH Group II, Zone B
DOT Hazard Class or Division: 3, Subsidiary DOT Division 6.1, Packing Group II, Zone B

Name: Class 6.1 PIH Group I, Zone A
DOT Hazard Class or Division: 6.1, Packing Group I, Zone A

Name: Class 6.1 PIH Group I, Zone B DOT Hazard Class or Division: 6.1, Packing Group I, Zone B

Name: Class 6.1 PIH Group II, Zone B
DOT Hazard Class or Division: 6.1, Packing Group II, Zone B

Name: Class 8 (6.1) PIH Group I, Zone A
DOT Hazard Class or Division: 8, Subsidiary DOT Division 6.1, Packing Group I, Zone A

Name: Class 8 (6.1) PIH Group I, Zone B
DOT Hazard Class or Division: 8, Subsidiary DOT Division 6.1, Packing Group I, Zone B
Name: Class 8 (6.1) PIH Group II, Zone B
DOT Hazard Class or Division: 8, Subsidiary DOT Division 6.1, Packing Group II, Zone B

Estimated Annual Quantity: Total of 5 to 10 PIH boxes
Containers: PIH shipping boxes or 5-gallon drums packed in 10-gallon, 15-gallon or 30-gallon removable head drums.

**Waste Stream Section, Subsection H – Universal Waste**

35. Name: Straight fluorescent bulbs
    Description: Straight fluorescent bulbs ranging from 1’ – 8’ in length
    Estimated Annual Quantity: 13,000 lbs
    Containers: Typically shipped in either fiber drums or boxes strapped to pallets

36. Name: Utube/circular bulbs
    Description: Utube/circular bulbs
    Estimated Annual Quantity: 1,000 lbs
    Containers: Typically shipped in either fiber drums or boxes strapped to pallets

37. Name: HID/Mercury/Halid/Sodium bulbs
Description: HID/Mercury/Halid/Sodium bulbs
Estimated Annual Quantity: 500 lbs
Containers: Typically shipped in either fiber drums or boxes strapped to pallets

38. Name: Compact fluorescent bulbs
Description: Compact fluorescent bulbs
Estimated Annual Quantity: 500 lbs
Containers: Typically shipped in either fiber drums or boxes strapped to pallets

Required Bid Response Formats

AN ELECTRONIC COPY OF THE BID RESPONSE FORMS CAN BE FOUND AT:
http://ehs.missouri.edu/haz/forms/bid-response.doc

Words in highlighted italics are for instruction only and are not to be reproduced by the vendor.

The following heading is to appear on each page of the response.

Hazardous Waste Management
Bid Response
Date: _____________________________
From: ______________________________
To: University of Missouri
Page: ______of______

Exhibit 1: Use the format presented in Exhibit 1 for the pricing of each waste stream listed in Subsections A, B, C and D of the Waste Stream Section. Detailed instructions for Exhibit 1 follow this template.

Name: ____________ Management Strategies:
Strategy #1 (Primary)
   Description: ______________________________________________________
   _________________________________________________________________
   Comments (if necessary): __________________________________________
   __________________________ Container Size: _________ Disposal Cost Per Container $_______
   _________________________________________________________________
   __________________________ Container Size: _________ Disposal Cost Per Container $_______
   Strategy #2
   Description: ______________________________________________________
Container Size: _________ Disposal Cost Per Container $_______
Container Size: _________ Disposal Cost Per Container $_______

Strategy #3
Description: _______________________________________________________

Container Size: _________ Disposal Cost Per Container $_______
Container Size: _________ Disposal Cost Per Container $_______

**Detailed Instructions for Exhibit 1**

Note: Complete Exhibit 1 for each stream listed in Subsections A, B, C, and D of the Waste Stream Section.

1. Complete this required header for every page – even for waste streams that require multiple pages.

2. Enter the waste stream being priced.

3. Provide at least one management strategy per waste stream. If providing more than one strategy, use strategy #1 as your primary strategy.

4. Optional: Add lines for comments as necessary.

5. Provide a price quotation for each container size listed in the Waste Stream Section for the named waste stream. Number of lines shall correspond to the number of container sizes listed for specific waste streams.

6. Use a separate strategy section for each strategy being quoted. Add strategy sections as necessary.

Then, start a new page for the next waste stream and repeat steps 2-6.

---

Hazardous Waste Management
Bid Response
Date: ___06/30/12___
From: _AAA Industries_______________
To: University of Missouri
Page: __1___of___2___

Name: _Aqueous Solvents____

Management Strategies:

Strategy #1 (Primary)
Description: __Treatment________________________________

Comments: Not an option if UXXX, UXXX, UXXX, or P-coded materials are present in the drum (See ‘Possible Waste Codes’) 

Container Size: 10 gallon Disposal Cost Per Container $###.##
Container Size: 30 gallon Disposal Cost Per Container $###.##
Container Size: 55 gallon Disposal Cost Per Container $###.##

Strategy #2
Description: Incineration
Comments: Necessary if UX, UX, UXX or P-coded materials are present in the drum (See ‘Possible Waste Codes’)
Container Size: 10 gallon Disposal Cost Per Container $###.##
Container Size: 30 gallon Disposal Cost Per Container $###.##
Container Size: 55 gallon Disposal Cost Per Container $###.##

Strategy #3
Description: Treatment
Container Size: 10 gallon Disposal Cost Per Container $###.##
Container Size: 30 gallon Disposal Cost Per Container $###.##
Container Size: 55 gallon Disposal Cost Per Container $###.##

**Exhibit 2:** Use the following table for the pricing of lab packs in Subsection E of the Waste Stream Section. Add strategies as necessary.

Hazardous Waste Management
Bid Response
Date: ____________________
From: ______________________________
To: University of Missouri
Page: ____ of ______

**Lab Pack Pricing Table**

<table>
<thead>
<tr>
<th>Strategy</th>
<th>2 gallon</th>
<th>5 gallon</th>
<th>Drum Size</th>
<th>10 gallon</th>
<th>30 gallon</th>
<th>55 gallon</th>
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<tbody>
<tr>
<td>Incineration</td>
<td>$_____</td>
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<tr>
<td>Fuel blending</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td></td>
</tr>
<tr>
<td>Treatment</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
<td></td>
</tr>
<tr>
<td>Retort</td>
<td>$_____</td>
<td>$_____</td>
<td>$_____</td>
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<tr>
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<tr>
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<td>$_____</td>
<td>$_____</td>
<td></td>
</tr>
</tbody>
</table>

**Indicate which strategy from the above table will be the primary strategy for the Lab Pack waste streams given below.**

<table>
<thead>
<tr>
<th>MU Waste Stream</th>
<th>Primary Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 3 lab pack</td>
<td>________________</td>
</tr>
<tr>
<td>Class lab pack</td>
<td>________________</td>
</tr>
<tr>
<td>Class 4.2 lab pack</td>
<td>________________</td>
</tr>
</tbody>
</table>
Class 4.3 lab pack
Class 5.1 lab pack
Class 6.1 lab pack
Class 8 lab pack
Class 9 lab pack

Comments (if necessary):

Exhibit 3: Use the following table for the pricing of Special Packs in Subsection F of the Waste Stream Section. Add strategies as necessary.

Hazardous Waste Management
Bid Response
Date: ____________________
From: ______________________________
To: University of Missouri
Page: ______of______

Special Pack Pricing Table

<table>
<thead>
<tr>
<th>Strategy:</th>
<th>2 gallon</th>
<th>5 gallon</th>
<th>Drum Size</th>
<th>10 gallon</th>
<th>30 gallon</th>
<th>55 gallon</th>
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<tbody>
<tr>
<td>Incineration:</td>
<td>$________ $________ $________ $________ $________</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuel blending:</td>
<td>$________ $________ $________ $________ $________</td>
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<td></td>
</tr>
<tr>
<td>Treatment:</td>
<td>$________ $________ $________ $________ $________</td>
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</tr>
<tr>
<td>Retort:</td>
<td>$________ $________ $________ $________ $________</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Indicate which strategy from the above table will be the primary strategy for the Special Pack waste streams below.

MU Waste Stream      Primary Strategy
Class 4.2 special pack

Class 5.2 special pack

Class 6.1 special pack

Comments (if necessary):

Use the Respondent’s Comments page for additional comments.

**Exhibit 4: Use the following table for the pricing of Poison Inhalation Hazards (PIH) in Subsection G of the Waste Stream Section. Provide all strategies that may be used.**

Hazardous Waste Management

Bid Response

Date: __________________

From: ______________________________

To: University of Missouri

Page: ______of______

Poison Inhalation Hazard Pricing Table

<table>
<thead>
<tr>
<th>Container Size</th>
<th>Strategy: PIH box (w/ 500cc bottle)</th>
<th>PIH box (w/ 1.0 L bottle)</th>
<th>5 gal. drum (in 10 gal.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$_________________</td>
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<tr>
<td></td>
<td>$_________________</td>
<td>$_________________</td>
<td>$_________________</td>
</tr>
</tbody>
</table>
Indicate which strategy from the above table will be the primary strategy for the PIH waste streams given below.

<table>
<thead>
<tr>
<th>MU Waste Stream</th>
<th>Primary Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 3 PIH Group I, Zone A</td>
<td></td>
</tr>
<tr>
<td>Class 3 PIH Group I, Zone B</td>
<td></td>
</tr>
<tr>
<td>Class 3 PIH Group II, Zone B</td>
<td></td>
</tr>
<tr>
<td>Class 6 PIH Group I, Zone A</td>
<td></td>
</tr>
<tr>
<td>Class 6 PIH Group I, Zone B</td>
<td></td>
</tr>
<tr>
<td>Class 6 PIH Group II, Zone B</td>
<td></td>
</tr>
<tr>
<td>Class 8 PIH Group I, Zone A</td>
<td></td>
</tr>
<tr>
<td>Class 8 PIH Group I, Zone B</td>
<td></td>
</tr>
<tr>
<td>Class 8 PIH Group II, Zone B</td>
<td></td>
</tr>
</tbody>
</table>

Comments (if necessary):
________________________________________________________________________
________________________________________________________________________

Use the Respondent’s Comments page for additional comments.
## Company Information

1. **Number of years in business:** ___________.  
   If not under present firm name, list previous firm names and types of organizations.

   ________________________________________________
   ________________________________________________
   ________________________________________________
   ________________________________________________

2. **Current contracts (minimum of three using disposer for a minimum of two years):**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contract start and end dates</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

3. **Former contracts (please list two former contracts and reasons for contract termination):**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contract start and end dates</th>
<th>Reasons for termination</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>
4. Management strategies available at company-owned sites:

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________

5. There has been no default in any contract completed or uncompleted except as noted below:

(a) Number of contracts on which default was made:__________
(b) Description of defaulted contracts and reason therefore:

_________________________________________________________________

_________________________________________________________________

_________________________________________________________________
HAZARDOUS WASTE DISPOSAL CONTRACTOR/HAULER

(High Risk)

Insurance

The Contractor shall provide insurance coverage as follows:

<table>
<thead>
<tr>
<th>Coverage</th>
<th>Minimum Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers Compensation</td>
<td>Statutory</td>
</tr>
<tr>
<td>Employers Liability</td>
<td>$500,000</td>
</tr>
<tr>
<td>Auto Liability (To include Owned, Hired, and Non-owned)</td>
<td>$1,000,000 Combined Single Limit, Per Occurrence and $2,000,000 Aggregate</td>
</tr>
<tr>
<td>Commercial General Liability (Commercial Form MUST include: Premises &amp; Operations, Contractual, and Products/completed Operations Exposure) Occurrence coverage is required.</td>
<td>$5,000,000 Combined Single Limit, Per Occurrence and $10,000,000 Aggregate</td>
</tr>
<tr>
<td>Pollution Liability</td>
<td>$10,000,000 Combined Single Limit, per Occurrence and Aggregate</td>
</tr>
</tbody>
</table>

Contract Language

The Curators of the University of Missouri, its officers, employees and agents are to be Additional Insured with respect to the project to which these insurance requirements pertain. A certificate of insurance evidencing all coverage required is to be provided at least 10 days prior to the inception date of the contract between the contractor and the University. The University must receive at least 10 days advance notice in the event of policy cancellation or material change to the policy.

The University reserves the right to require higher limits on any contract provided notice of such requirement is stated in the request for bids for such contract.

Failure to maintain the required insurance in force may be cause for contract termination. In the event the Contractor fails to maintain and keep in force the required insurance, the University shall have the right to cancel and terminate the contract without notice.

The insurance required by the provisions of this article is required in the public interest and the University does not assume any liability for acts of the Contractor, any Subcontractor, or their employees in the performance of the contract.

Indemnification

The Contractor agrees to defend, indemnify, and save harmless The Curators of the University of Missouri, their Officers, Agents, Employees and Volunteers, from and against all loss or expense from any cause of action arising from the Contractor’s operations. The contractor agrees to
investigate, handle, respond to and provide defense for and defend against any such liability, claims, and demands at the sole expense of the Contractor, or at the option of the University, agrees to pay to or reimburse the University for the defense costs incurred by the University in connection with any such liability claims, or demands.

The parties hereto understand and agree that the University is relying on, and does not waive or intend to waive by any provision of this Contract, any monetary limitations or any other rights, immunities, and protections provided by the State of Missouri, as from time to time amended, or otherwise available to the University, or its officers, employees, agents or volunteers.
The undersigned proposes to furnish the following items and/or services at the prices quoted and agrees to perform in accordance with all requirements and specifications contained within this Request For Bid issued by the University of Missouri.
## AUTHORIZED RESPONDENT REPRESENTATION

<table>
<thead>
<tr>
<th>Authorized Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Name</td>
<td>Title</td>
</tr>
<tr>
<td>Company Name</td>
<td></td>
</tr>
<tr>
<td>Mailing Address</td>
<td></td>
</tr>
<tr>
<td>City, State, Zip</td>
<td></td>
</tr>
<tr>
<td>Phone No.</td>
<td>Federal Employer ID No.</td>
</tr>
<tr>
<td>Fax No.</td>
<td>E-Mail Address</td>
</tr>
<tr>
<td>Number of calendar days delivery after receipt of order:</td>
<td>Payment Terms:</td>
</tr>
<tr>
<td>Note: Net 30 is default. Early pay discounts encouraged.</td>
<td></td>
</tr>
</tbody>
</table>

Select Payment Method: SUA ACH Check

Circle one: Individual Partnership Corporation

If a corporation, incorporated under the laws of the State of

Licensed to do business in the State of Missouri? yes no

Maintain a regular place of business in the State of Missouri? yes no

This signature sheet must be returned with your bid.
ATTACHMENT A
SUPPLIER DIVERSITY PARTICIPATION FORM

The University of Missouri System is committed to and supports supplier diversity as an essential part of the University’s mission and core values. The University’s Supplier Diversity efforts reflect this mission.

Tier 2 Supplier Diversity Information - The University strongly encourages Supplier Diversity participation in all of its contracts for goods and services. Tier 2 Spend is spend reported by primary (non-diverse) suppliers of the University of Missouri who subcontract work to, or make purchases from a diverse supplier. Depending upon the contract, primary (non-diverse) suppliers will be asked to submit Tier 2 information with Women and Diverse Owned companies. Suppliers have two options in reporting Tier 2 dollars depending on the terms of the contract: Direct and Indirect. Awarded suppliers may be asked to utilize CVM Solutions for reporting Tier 2 spend.

- **Direct dollars** - those dollars directly spent with Women and Diverse Owned suppliers in the fulfillment of the contract.

- **Indirect dollars** - based on a percentage of revenue the University represents to the supplier. An example is as follows:
  - Supplier's Total Revenues: $10,000,000
  - Revenues from University $: $4,000,000
  - University % of Total Revenues: 40% (#2 divided by #1)
  - Total MBE Dollars $: $150,000
  - Total WBE Dollars $: $150,000
  - Total University Attributable MBE $: $60,000 (#3 multiplied by #4)
  - Total University Attributable WBE $: $60,000 (#3 multiplied by #5)
  - Total University Attributable MWBE $: $120,000 (Sum of #6 and #7)
  - University % Attributable Revenue: 3% (#8 divided by #2)

1. Does your company have a Supplier Diversity Program? If so, describe efforts your company has made to increase business with Women and Diverse Owned businesses (i.e. does your company have a policy statement, participate in outreach activities, promote diverse firm subcontracting, publicize contract opportunities, provide certification assistance, etc.?) Please provide examples (use additional pages if needed): ___________________________________
   ____________________________________________________________________
   ____________________________________________________________________
   ____________________________________________________________________
2. If you are a non-diverse owned company, what percentage of your company's total contracting and procurement spend for the prior year was with Women and Diverse Owned businesses? Are you able to provide this information specific to University of Missouri business?

____________________________________________________________________________
____________________________________________________________________________

3. If you are a non-diverse owned company, complete the following table indicating the percentage your company will subcontract with certified Women and Diverse Owned businesses should your company be the successful bidder. Note: If your company does not plan to use Women and Diverse Owned businesses to fulfill your contract obligations, please explain why not.

<table>
<thead>
<tr>
<th>Supplier Name</th>
<th>% of Contract</th>
<th>Specify Direct or Indirect</th>
</tr>
</thead>
<tbody>
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</table>

If there are questions regarding supplier diversity at the University, contact Teresa Vest, vestt@umsystem.edu.

---------------------------THIS FORM MUST BE SUBMITTED WITH THE RESPONSE-------------------------
ATTACHMENT B
SUPPLIER REGISTRATION INFORMATION

Completion of this section is strongly encouraged. Please review and check ALL applicable boxes.

SMALL BUSINESS CONCERN: _____Yes _____No

The term “small business concern” shall mean a business as defined pursuant to Section 3 of the Small Business Act and relevant regulations issued pursuant thereto. Generally, this means a small business concern organized for profit, which is independently owned and operated, is not dominant in the field of operations in which it is bidding. We would consider any firm with 500 employees or less a “small business concern”.

WOMAN OWNED BUSINESS (WBE): _______Yes _______No

A woman owned business is defined as an organization that is 51% owned, controlled and/or managed, by a woman. The determination of WBE status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 106-554 for more detail.

MINORITY BUSINESS ENTERPRISE (MBE): _____Yes _____No

A minority business is defined as an organization that is 51% owned, controlled and/or managed by minority group members. The determination of minority status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 95-507 for more detail. Place an X by the appropriate space below.

1. Asian-Indian - A U.S. citizen whose origins are from India, Pakistan and Bangladesh _____ (A)

2. Asian-Pacific - A U.S. citizen whose origins are from Japan, China, Indonesia, Malaysia, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Thailand, Samoa, Guam, the U.S. Trust Territories of the Pacific or the Northern Marianas. _______ (P)

3. Black - A U.S. citizen having origins in any of the Black racial groups of Africa. _______ (B)

4. Hispanic - A U.S. citizen of true-born Hispanic heritage, from any of the Spanish-speaking areas Mexico, Central America, South America and the Caribbean Basin only. _______ (H)

5. Native American - A person who is an American Indian, Eskimo, Aleut or Native Hawaiian, and regarded as such by the community of which the person claims to be a part. _______ (N)
A Veteran or Service Disabled Veteran business is defined as an organization that is 51% owned, controlled and/or managed by Veterans. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 109-461 for more detail.

VETERAN BUSINESS ENTERPRISE  _____Yes   _____No

SERVICE DISABLED VETERAN BUSINESS ENTERPRISE  _____Yes   _____No

MISSOURI FIRM:  _____Yes   _____No

A Missouri Firm is defined as an organization which has and maintains within the State of Missouri a regular place of business for the transaction of their business.

BUSINESS TYPE:

Manufacturer  _____(M)
Distributor/Wholesaler  _____(D)
Manufacturer’s Representative  _____(F)
Service  _____(S)
Retail  _____(R)
Contractor  _____(C)
Other  _____(O)

SOLE PROPRIETORSHIP:  _____Yes   _____No

SUPPLIER’S CERTIFICATION:

The undersigned hereby certifies that the foregoing information is a true and correct statement of the facts and agrees to abide by the laws of the State of Missouri and the rules and regulations of the University of Missouri System now in effect including any subsequent revisions thereof. Supplier acknowledges that it is his/her responsibility to keep the information current by notifying the University of Missouri of any changes.

Signature of Person Authorized to Sign this Supplier Registration Information Form

Title: ____________________________  Date: ________________