

REQUEST FOR INFORMATION

Four Rivers Nuclear Partnership– Paducah Deactivation Project (FRNP)

Decision 2029 – General RI/FS Support

1.0 Description

1.1 This Statement of Work is being developed to secure technical resources to support the Decision 29 (D29) regulatory decisions being pursued at the DOE Paducah Site.

1.2 THIS IS A REQUEST FOR INFORMATION (RFI) ONLY. This RFI is issued solely for information and planning purposes – it does not constitute a Request for Proposal (RFP) or a promise to issue an RFP in the future. This request for information does not commit the FRNP to contract for any supply or service whatsoever. Further, FRNP is not at this time seeking proposals and will not accept unsolicited proposals. Respondents are advised that FRNP will not pay for any information or administrative costs incurred in response to this RFI; all costs associated with responding to this RFI will be solely at the interested party's expense. Not responding to this RFI does not preclude participation in any future RFP, if any is issued. If a solicitation is released, it will be sent to the qualifying Contractor.

2.0 Background

The D29 process will pursue comprehensive regulatory documents and decisions for Waste Disposition Alternatives (WDA), Decommissioning and Demolition (D&D) and Environmental Media (EM). All three decision paths will involve the development of independent Remedial Investigation/Feasibility Studies (RI/FS) evaluations for each decision under the NCP (40 CFR 300), leading to Proposed Plans and a Record of Decision (ROD) no later than the end of fiscal year 2029.

The services secured under a statement of work (SOW) of this nature will support each of the three decision paths (i.e., WDA, D&D and EM) in parallel. There will be an integrated team developing the RI/FS that will include FRNP team members and other subcontract resources including from existing staff augment subcontractors. In some specific areas, there will be “specialty” subcontractors (e.g., waste disposition engineering design, natural resources identification and mitigation, groundwater modeling, seismic/geotechnical, ARAR management) that are under separate SOWs. This SOW is being issued for general support to supplement the team developing the D29 decision documents up to the issuance of the final RODs.

The work being requested is to provide individuals to become part of a larger RI/FS team. This effort does not include support for groundwater modeling, for engineering support, nor for support for identifying natural and cultural resources and associated mitigation techniques. More than one award may be made to obtain the needed resources so it is not necessary for any single bidder to fulfill all capabilities listed below.

2.1 Planned Execution: The work being requested is to provide individuals to become part of a larger RI/FS team. This effort does not include support for groundwater modeling, for design engineering support, nor for support for identifying natural and cultural resources and associated mitigation techniques. The identified resources can work remote but are expected to be able to travel to Paducah for relevant meetings, site tours, etc. They will be expected to participate in routine as well as specialized meetings and provide progress updates. The individuals will work under the direction of a FRNP or existing subcontract staff augment manager. More than one award may be made to obtain the needed resources so it is not necessary for any single bidder to fulfill all capabilities listed below.

The successful bidder for this SOW will have personnel with any or all of the following capabilities:

1. Experience in writing CERCLA regulatory decision documents at Department of Energy (DOE) facilities (Sampling and Analysis Plans, RI/FS Reports, Proposed Plans, and RODs for D&D, environmental remediation, and waste disposal decisions).
2. Experience in manipulating and statistically evaluating data.
3. GIS and other graphics experience.
4. Experience in surface water and groundwater fate and transport of contaminants.
5. Experience in compliance with other environmental regulations, especially the Clean Water Act, RCRA, TSCA, and the Clean Air Act.
6. Experience in conceptual engineering of soil and groundwater remediation options.
7. Experience in human health or ecological risk assessments under CERCLA.
8. Experience in developing preliminary remediation goals for chemical and radiological environmental media contaminants.

The resources needed for this effort will be finalized in the RFP, but are expected to include most or all of the following:

1. RI Lead for EM (Lead writer and team leader) – Part Time for 6 months and then Full Time
2. FS Lead for EM (Lead writers and team leaders) – Full time
3. RI Lead for WDA (Lead writer and team leader) – Full time
4. FS Lead for WDA (Lead writer and team leader) – Full time
5. RI/FS Lead for D&D (Lead writer and team leader) – Full time
6. Hydrogeologist – Full time as needed.
7. Groundwater Engineer – Full time as needed.
8. Junior Regulatory Document Writer (multiple) – Full time as needed.
9. Senior Regulator Document Writer (multiple) – Full time as needed.
10. GIS/Graphics Expert – Full time as needed.
11. Data Compilation Expert/Statistician – Full time as needed.
12. Human Health Risk Assessment Experts (multiple) – Full Time as needed.
13. Ecological Risk Assessment Experts (multiple) – Full time as needed.

2.2 Delivery Period: To support DOE PPPO contractual milestones, the following key tentative deliverable dates are provided:

- August 1, 2024 – Initiate development of the D0 WDA RI/FS Report.
- March 17, 2025 – Complete development of the D0 WDA RI/FS Report.
- August 31, 2026 – Initiate development of the D0 WDA Proposed Plan.
- October 28, 2024 – Initiate development of SAP for EM RI/FS.
- April 10, 2025 – Initiate development of the D0 EM RI/FS Report.

- June 14, 2026 – Complete development of the D0 EM RI/FS Report.
- October 12, 2026 – Initiate development of the D0 EM RI/FS Report.
- August 1, 2024 – Initiate development of SAP for D&D RI/FS.
- July 30, 2025 – Initiate development of the D0 D&D RI/FS Report.
- March 9, 2026 – Complete development of the D0 D&D RI/FS Report.
- May 7, 2026 – Initiate development of the D0 D&D Proposed Plan.

2.3 Estimated Proposal Period: The bid package, including reference documents, is currently expected to be issued to prospective bidders on June 15, 2024. Proposals are anticipated to be due on July 3, 2024.

2.4 Estimated Award Date: The contract is currently expected to be awarded on, or about, August 1, 2024. Contractor is expected to start work immediately upon award.

2.5 Estimated Contract Value: \$750,000 - \$2,000,000

3.0 Requested Information

3.1 Interested parties are requested to respond to this RFI with a Capability Statement.

3.2 Capability Statements in Microsoft Word for Office 2000 compatible format are **due no later than 22 May 2024 9:00 A.M. CST**. Responses shall be submitted via e-mail only to john.snyder@pad.pppo.gov. Proprietary information, if any, should be minimized and MUST BE CLEARLY MARKED.

4.0 Responses

4.1 Section 1 of the Capability Statement shall provide administrative information, and shall include the following as a minimum:

4.1.1 Name, mailing address, overnight delivery address (if different from mailing address), phone number, fax number, and e-mail of designated point of contact, and CAGE Code.

4.1.2 Business type (large business, small business, small disadvantaged business, 8(a)-certified small disadvantaged business, HUBZone small business, woman-owned small business, very small business, veteran-owned small business, service-disabled veteran-owned small business) based upon North American Industry Classification System (NAICS) code 541620, Environmental Consulting Services.

4.2 Section 2 of the Capability Statement shall provide responses to the following questions, as well as any additional information that is considered pertaining.

- 1) Describe briefly the capabilities of your company including a description of your staff composition and management structure.
- 2) Describe your company's capabilities and experience in developing CERCLA RI/FS Reports, including the generation of technical data and calculations.
- 3) Describe your company's past experience on previous projects similar in complexity to this requirement. Include contract numbers, a brief description of the work performed, period of performance, agency/organization supported, and individual point of contact (Contracting Officer or Program Manager). Include quantities, customer, and date of delivery and period of

performance.

- 4) What quality assurance processes and test qualification practices does your company employ, including Software Quality Assurance? Please provide a description of your quality program (NQA-1, ISO 9000, QS-9000, EIA-599, or otherwise)?
- 5) Would your company be interested in participating in this solicitation to award? Please explain your response.

5.0 Discussions

FRNP representatives may or may not choose to meet with potential offerors. Such discussions would only be intended to get further clarification of potential capability to meet the requirements, especially any development and certification risks.

6.0 Questions

Questions regarding this announcement shall be submitted by e-mail to the FRNP Procurement department john.snyder@pad.pppo.gov **within 3 days after receipt of this RFI.** Verbal questions will NOT be accepted.

7.0 Summary

THIS IS A REQUEST FOR INFORMATION (RFI) ONLY to identify sources that can provide the technical resources to support the Decision 29 (D29) regulatory decisions being pursued at the DOE Paducah Site.