

RFP 21-67553
DOUGLAS ROAD LANDFILL SUPERFUND SITE SERVICES
TECHNICAL PROPOSAL
ATTACHMENT F

The Technical Proposal must be divided into the section as described below. Every point made in each section must be addressed in the order given. The same outline numbers must be used in the response. RFP language should not be repeated within the response. Where appropriate, supporting documentation may be referenced by a page and paragraph number. However, when this is done, the body of the technical proposal must contain a meaningful summary of the referenced material.

Instructions: Please supply all requested information in the areas shaded yellow and indicate any attachments that have been included to support your responses.

2.4.1 Overall Company Experience

Please describe in detail your company's experience providing Operations and Maintenance service for Superfund sites. Provide specific examples and references of any experience managing Operations and Maintenance activities for Superfund or other large environmental remediation projects.

Patriot Engineering and Environmental, Inc.'s personnel are experienced with environmental inspections, low flow and micro purge sampling of monitoring wells, well installation, abandonment and redevelopment, landfill gas monitoring, inspection and maintenance of landfill caps, maintenance of vegetation, security fencing, and signs, coordination of sampling activities and reporting to the IDEM. Patriot has performed groundwater monitoring and O&M activities at the Douglas Road Landfill since 2016. Patriot has also performed several other groundwater monitoring and O&M activities for Superfund Sites, Resource Conservation and Recovery Act (RCRA) Corrective Action Sites, leaking underground storage tanks (LUST) sites and Voluntary Remediation Program (VRP) sites throughout Indiana. Related project experience/ government contracts relative to this project includes:

- Auburn Foundry CR 48 Hazardous Waste Landfill Site, DeKalb County, Indiana, IDEM Contract Number A305-3-29-S1, Contract amount: \$31,736.01.

O&M activities conducted include: groundwater monitoring well and surface water sampling, landfill inspections, mowing, tree removal and vegetation control, well inspections and maintenance, fence inspection and repair, burrowing animal control, and IDEM reporting.

- Neal's Landfill (New Castle Quarry), New Castle, Indiana: Work include environmental sampling, geotechnical investigation, and closure of the filled in quarry.

- Littleton Lake Landfill, Indiana: Work included soil sampling and RCRA Closure.

2.4.2 Team Structure / Qualifications and Experience

The State requests detailed information about the team that would work with the State during the transition and implementation of a resulting contract.

Please describe in detail your company's proposed team and leadership structure. Additionally, please describe in detail the qualifications and experience of the anticipated staff for the following:

- Landfill Gas Vent Monitoring
- Landfill Gas Sampling
- Groundwater Sampling
- Hydrogeological Evaluation
- General Subcontractor Management

Patriot field personnel will be potentially staffed from various offices and have similar core training and experience in environmental monitoring and testing standard operating procedures (SOPs). Project management staff and technical experts will be generally provided by the Indianapolis office. Their resumes are included to detail the qualifications and experience.

Kendra Gutowski will be the primary manager of all subcontractors and general work activities for Douglas Road Landfill. Doug Lam will be the Senior Project Manager that is also a QAQC and hydrology expert, and Janna Stathyelich and Douglas B. Zabonick will assist as the Senior Engineers for this Superfund site.

The subcontractors that will be utilized for this project are included in the team structure organization chart. Services provided by subcontractors include:

Raimonde Drilling - Rehabilitation/redevelopment of well and/or abandonment of wells.

Pace National – Analyzation of air samples for VOCs using Method TO-15 and analyzing groundwater samples for VOCs, arsenic, iron and lead.

US Lawns – Lawn care maintenance including mowing, vegetation control, as well as the access road maintenance/repairs.

2.4.3 Customer Service

Please describe in detail your company's capacity to respond to situations requiring immediate attention or on short notice.

Fulfilling client needs is a core value of Patriot that we know is not possible without continuously being responsive to situations that may arise during a project. A key element to customer service is the ability to provide immediate attention and service where the client inquires concern. Patriot employees trained to handle emergency requests that require prompt solutions and are available by email, mail, and phone. With numerous offices within reasonable mobilization distance from the site, each staffed with cross-disciplined personnel, Patriot is equipped to respond to environmental logistical needs at any time. A strong communication network between personnel increases responsiveness and decreases response times to most situations.

2.4.4 Problem Resolution

Please describe your company's standard process for problem resolution, including standard response times. Please describe the escalation process if the standard resolution process cannot resolve an issue.

Patriot has an implemented Health and Safety Plan (HASP), which includes our standard process for problem resolution and includes response times. Patriot is the current contract holder for the Douglas Road Landfill active contract and has a HASP specific to this site that identifies and evaluates all safety and health hazards present. The current Health and Safety Plan has been attached as additional reference.

2.4.5 Project Documents and Reports

Please describe in detail your company's reporting capabilities. What are the standard reports that your company provides to your customers? Please include report examples as an attachment.

As the current contractor for the Douglas Road Landfill Superfund site, Patriot has proven our reporting capabilities to provide timely reports of all necessary tasks. We have attached our most recent reports for Douglas Road Landfill as report examples.

2.4.6 Implementation and Schedule

Please submit a detailed description of the process and implementation schedule.

The process and implementation schedule Schedule

Patriot is prepared to initiate project activities within five (5) days of execution of contract or at the convenience of the IDEM Project Manager whichever comes later.

Patriot understands that the duration of the contract is for three (3) years. The following annual schedule of activities are listed below. Specific dates are yet to be determined (TBD) and will be based upon the actual contract start date.

Project Planning

- Kick-off Meeting - one (1) time event
- Initial Site Visit/Tour/Meeting - one (1) time event
- Progress Conference Calls - monthly
- Additional Conference Calls - as needed, ten (10) events or more per year at the discretion of the IDEM PM.
- Additional Site Visits – at least six (6) events per year

Inspections

- Perimeter Fencing - one (1) time per month
- Landfill Cap/Drainage System - one (1) time per month
- Detailed Landfill Cap/Drainage System – one (1) time per quarter
- Landfill Gas Collection System Inspection - two (2) times per month
- Groundwater Monitoring Network Inspection - one (1) times per year, fall.

Mowing

- Landfill Cap - twice a year in the spring and fall
- Landfill Perimeter Areas - twice a year in the spring and fall
- Landfill Drainage Ditch - twice a year in the spring and fall
- Perimeter of the Wetland treatment System - twice a year in the spring and fall

Vegetative Growth Control

- Chemical Treatment of Nuisance Plant Growth for the perimeter of the Drainage Ditch and Road. Spraying will occur two (2) weeks before mowing event - once a year.
- Chemical Treatment around Perimeter Fence - once a year
- Manual Removal of Vegetation entwined within perimeter fence - once a year.

Compliance Monitoring

- Landfill Gas Monitoring Probes and Landfill Gas Extraction Wells - once per quarter
- 8-hour exhaust Sampling of the Landfill Gas Extraction System - once per quarter
- Constructed Wetland Treatment System Influent/Effluent Sampling - once per month.
- Groundwater Monitoring Network Sampling - once a year in the Spring

Other

- Painting/Sealing of the Landfill Gas System Building - one time event
- Replace Filters on the Landfill Pump System - twice a year.
- Nuisance Animal Control - as needed at the discretion of the IDEM PM.
- Groundwater Well Redevelopment, as needed, up to four (4) wells.
- Groundwater Well Abandonment, as needed, up to four (4) wells.

Reporting

- Update/Revisions to HASP- once a year
- Produce/Update QAPP/SAP- one (1) time event.
- Progress Report for Landfill - quarterly
- Groundwater Monitoring Reports –annually