

August 20, 2007

To: All bidders and interested parties

Subject: File No. 761/07186.SAR
Department of Environmental Quality
Remediation and Redevelopment Division
Investigation and Feasibility Study Services
Hoskins Manufacturing Mio Site, 830 East Kittle Road, Mio, Oscoda County
Request for Proposal
Addendum No. 1

Please acknowledge receipt of this Addendum in your proposal.

The due date has been extended to Tuesday August 28, 2007 at 2:00 p.m.

Below are the additional information and questions received for the above-noted project with the answers.

Additional Information

1. Please see the attached Meeting Attendance Record for the mandatory walk-through held on August 14, 2007 at 1:00 p.m. at the site (*Attachment I*).
2. Please see the attached **revised Attachment V – Task Cost Sheet** (*Attachment II*).
3. Modification to Task 3b: Vertical Aquifer Sampling:

The following statements shall be considered deleted from Task 3b in the Attachment II - Scope of Work in the Request for Proposal:

Groundwater samples will be drawn to the surface using a pump and disposable tubing set within a stainless-steel screen attached to the leading end of the rods or from within a push ahead discrete type sampling device, or within a temporary well in deeper Rotasonic[®] borings. Before sampling, approximately three volumes of groundwater inside the sampling tubing will be removed. If recharge is slow or intermittent, groundwater will be pumped at a rate consistent with the rate of recharge until relatively free of fine-grained sediment or for a minimum of five minutes, whichever is less.

The following statement will replace the deleted portions above:

Groundwater samples will be collected utilizing a push-ahead discrete sampling device that requires no purging of the groundwater preceding sample collection.

4. Modification to Task 3: Soil and Groundwater Investigation:

The following text is added to Task 3: Soil and Groundwater Investigation and pertains to all tasks in Task 3, including Tasks 3a, 3b, 3c, 3d, 3e, and 3f.

A current access agreement between the DEQ and the owner of the Forrester Construction property located east of Perry Creek Road prohibits all access to the property between November 1 and December 31. Due to this access agreement, the estimated time of contract award to the Professional and the upcoming winter conditions; it is assumed all Task 3 work will start in the early spring of 2008. In no circumstances will soil cuttings be left on the Forrester Construction property more than three days and cannot be left over weekends. All

drilling support vehicles and the drilling rig, if possible, must be moved off the Forrester Construction property overnight and no vehicles or drilling rig will be left on the Forrester Construction property over a weekend. Please also assume there will be no drilling locations within a floodplain or wetland.

5. Added Task 11: Travel Expenses

This task includes all travel costs (allowable meals, lodging and mileage) for all other tasks in this Scope of Work over the 200-mile round trip from the firm's nearest office to the project site. Expenses incurred by the Professional for travel greater than 100 miles from the office, will be reimbursed in accordance with Guidelines for Travel Reimbursement of Contractors. Meals and lodging are reimbursable costs only if there is travel more than 100 miles one-way from the Professional firm's nearest office on the same day and if an overnight stay would be a cost savings to the state.

6. Modification to Task 9: Treatability Study and Pilot Tests:

The following text is added to Task 9: Treatability Study and Pilot Tests

The allowance provided in the Task Cost Sheet is for conducting treatability study and/or pilot tests. The Professional will only be compensated for work that was actually completed. Compensation includes fees and reimbursables according to Article 2 in the Contract for Professional Services.

Questions - The following questions have been compiled to clarify answers to questions in portions of the RFP package:

Q1. Figures 1 and 2 referenced in the Scope of Work appear to be missing, will they be provided?

A1. Figures 1 and 2 are posted on the DMB website in the same location as the Request for Proposal.

Q2. Are per diem and lodging allowable reimbursable costs?

A2. Meals and lodging are reimbursable costs only if there was travel more than 100 miles one-way from the nearest Professional firm's office on the same day and if an overnight stay would be a cost savings to the state. The current reimbursable rates for meals and lodging are at the State of Michigan's "Schedule of Travel and Meal Reimbursement Rates".

Q3. What does the term "extent" refer to in Item 4 of the Objectives regarding the extent that Perry Creek is being impacted by groundwater contamination discharge to the creek?

A3. The term extent refers to the horizontal extent as determined by the surface water sampling in Task 6b.

Q4. How will the cleared and grubbed tree material be handled? Will it be left on site as cut wood or wood chips or is disposal required?

A4. Cleared and grubbed tree material will be left on the individual properties. Chipping is not necessary. The tree material must be located so as to not block any driveway, trail or deer blind.

Q5. How many confining layers are anticipated between the ground surface and 450 feet below the ground surface and what are the estimated intervals of each confining layer?

A5. Assume up to two significant confining layers will be encountered during vertical aquifer sampling activities with the top of the upper confining layer located between 60 and 120 feet below ground surface. Assume the top of the second confining layer will be located between 170 and 220

feet below ground surface. Assume the thickness of both confining layers to be up to 60 feet in thickness.

- Q6. Will low flow monitoring methods and sampling methods be required for sampling of groundwater from borings or just minimum requirements of purging 3 well volumes and sediment free flow for 5 minutes?

A6. Low flow sampling techniques in accordance with MDEQ RRD Operational Memorandum No. 2 is NOT required for groundwater sampling during the vertical aquifer sampling and deep soil boring events. Professional shall use methods that ensure the water being sampled is from the natural formation, not stagnant water from the well casing or potable water introduced during drilling.

- Q7. Is it necessary to collect QA/QC samples in accordance with MDEQ Op Memo No. 2 requirements for sampling during the RI? If so will the Attachment 5 Task Cost Sheet be revised to reflect additional sample quantities?

A7. The following type of QA/QC samples will be collected, as minimum, for each of these tasks:

- *Task 3b - Vertical Aquifer Sampling: Daily Field Blank samples, Equipment Blank prior to first VAS sample collected in this event and Equipment Blanks after each decontamination of drilling/sampling equipment between borings.*
- *Task 3c - Shallow Soil Borings: Daily Replicate samples per analytical group*
- *Task 3d - Deep Soil Borings: Daily Replicate samples per analytical group and matrix*
- *Task 6a - New Monitoring Well Sampling: One Trip Blank sample per every VOC sample shipping container, one equipment blank per analytical group prior to the start of new monitoring well sampling and daily equipment blanks afterwards*
- *Task 6b - Semi-Annual Monitoring Well Sampling: Replicate, MS/MSD, Field Blank, Equipment Blanks and Trip Blank samples in accordance with MDEQ Op Memo No. 2. One Equipment Blank will also be collected per analytical group prior to the start of new monitoring well sampling.*

The professional will be required to follow the industry standard protocols to assure QA/QC for sampling the soil and water. QA/QC sample collection is a required part of the sampling events and will not be included as a separate line item in the Task Cost Sheet.

- Q8. What are the assumed depths of the shallow, intermediate, and deep intervals for the nested monitoring wells?

A8. Assume for your proposal the nested wells will be set at 100', 200' and 300' below ground surface. Field conditions will determine the actual well depths.

- Q9. Will in person progress meetings be required during the RI, or will the weekly and monthly progress reports be the only progress updates provided?

A9. In-person progress meetings will not be required other than a meeting prior to monitoring well installation to determine location and depth of the monitoring wells. Please note that Task 1b of the Scope of Work (Project Administration) includes up to four meetings with the MDEQ. The timing and topic of these meetings are at the discretion of the SPM and could include a progress meeting during the Remedial Investigation.

- Q10. For the FS, will 4 interim response measures be evaluated for each impacted media (soil and groundwater) or just a total of 4 interim response measures evaluated?

A10. Four interim response measures will be evaluated for EACH impacted media.

- Q11. For the FS, will No Action be considered one of the 4 interim response measures evaluated?

A11. No Action may be one of the four response measures evaluated if it is one of the remedial alternatives retained after the screening for effectiveness, implementability, cost and duration.

Q12. Will soil cuttings from the borings be considered native soils for backfilling or will all soil cuttings from borings be transported and stock piled for disposal?

*A12. **Non impacted** soil cuttings may be used for backfilling in areas where the vadose zone is not contaminated.*

Q13. As noted by MDEQ-RRD and DMB, MACTEC previously provided investigative engineering services, including writing the current Scope of Work for the RI/FS RFQ, under the LOE Contract and will be allowed to bid on RI/FS Services through DMB. Does DMB view this as a conflict on interest?

A13. MACTEC Engineering and Consulting, Inc. (MACTEC) has provided services as a Level of Effort (LOE) firm from 2003 to 2007 for the Hoskins Manufacturing Mio site. In the fourth and most recent augmentation to the LOE Scope of Work, the MDEQ specifically requested MACTEC to provide the bid specifications (now Scope of Work) for the Remedial Investigation/Feasibility Study (RI/FS) contract. The most recent LOE Scope of Work as written by the SPM is included as Attachment III to this addendum. Objective 8 of the LOE Scope of Work requires MACTEC to provide bid specifications for a trade contract; however, it was determined at a later date that a Professional Services Contract would be utilized instead. MACTEC provided a DRAFT of the PSC scope of work from the tasks indicated in Objective 8 – Bid Specifications for the Additional Remedial Investigation/Feasibility Study. The DRAFT scope of work provided by MACTEC has been modified by the MDEQ to accomplish the State's goal. Also please note that MACTEC is no longer tasked with Objective 9 – Professional Consultant Procurement Assistance for the RI/FS contract of the LOE Scope of Work, as that was only needed if the contract was a trade contract. The DEQ and DMB do not view MACTEC's participation in the current PSC Scope of Work as a conflict of interest. The proposals will be reviewed and evaluated by an ad hoc committee formed of State employees and the proposals will be scored based on their qualifications and cost to accomplish the stated scope of work.

Q14. Can DMB provide an estimated cap value for implemented Scope of Work?

A14. An estimated cap value for the implemented Scope of Work is not available.

Q15. Will DMB provide a list of Firms attending Pre-Bid Meeting August 14, 2007?

A15. See Item 1 of the Additional Information.

Q16. Will an extension be allowed beyond the Proposal Due Date of August 23, 2007 at 2:00 pm?

*A16. **The due date has been extended to Tuesday August 28, 2007 at 2:00 p.m.***

Q17. May both an example of Technical Memorandum (TM) for related RI Investigation AND a separate Feasibility Study be submitted as part of the Proposal?

A17. Each Professional must provide a copy of a Technical Memorandum from a past project that is similar to the work requested in the RFP. Additional examples of work may be provided that directly relate to the work requested in the RFP, however, the additional example documents may or may not be reviewed in consideration of the proposals.

Q18. MDEQ-RRD and DMB noted during Pre-Bid Meeting that alternative (different from Scope) investigative ideas would be evaluated and considered by DMB. May an alternative or modified conceptual approach and Attachment V – Task Cost Sheet be provided if technically justified? (e.g. Item No. 3a: Engineer elects to perform only 3000 feet of VAS profiling, not 4500 feet).

A18. The Revised Task Cost Sheet as included as Attachment II of this Addendum may not be modified as a part of the Professional's proposal. Alternative approaches to how the work can be conducted may be included in the proposals as additional information in the proposal. For example, the use of alternative drilling methods may be considered in Task 3e – Deep Soil Borings, such as Rotasonic drilling methods, instead of hollow stem auger. However, the advantages, disadvantages and costs to implement the alternate should be provided as additional information for the State's review.

Q19. Will tremie-line introduction of bentonite slurry grout or comparable flowable grout be required for all boreholes and VAS points that are abandoned?

A19. Collapse will be allowed to several feet below a confining unit. The placement of grout with the use of a tremie pipe is required through the confining unit to several feet above it with further collapse above. Collapse is only allowable in the saturation zone, so the placement of grout with the use of a tremie pipe will be required above the water table.

Q20. For labor estimation purposes, can a maximum purge time per VAS sampling depth be provided?

A20. This PSC Scope of Work will be amended in this addendum to include this statement in Task 3b: Vertical Aquifer Sampling:

“Groundwater samples will be collected utilizing a push-ahead discrete sampling device that requires no purging of the groundwater preceding sample collection.”

Q21. What is anticipated time-line for Hoskin's Manufacturing Plant Demolition?

A21. The demolition is anticipated to be conducted between November 2007 and January 2008.

Q22. MACTEC's Figure 2 refers to 2006 Aerial Photograph. Was a fly-by performed for the site?

A22. A fly-over was performed on April 17, 2006 specifically for the Hoskins Manufacturing Mio project.

Q23. As in many DMB RFP's there is reference to a maximum multiplier of 2.7. There does not appear to be any reference to this in the RFP. Can we assume that we can use the firms audited multiplier assuming we provide written documentation of the audit?

A23. This project doesn't require the use of a multiplier.

Q24. What past site activities/involvement would be considered a conflict of interest for prospective bidders?

A24. Any involvement in the project or site work by the firm or their staff on behalf of other parties that may be part of future disputes between the State and any of the other parties will be considered a conflict of interest.

Q25. Regarding Task 1a, how thick is the file (ft)?

A25. The Remediation and Redevelopment Division Hoskins Manufacturing Mio site fills five full lateral file drawers in the Gaylord Field Office. In many cases, there are duplicate copies of reports within the file.

Q26. Regarding Task 3 Soil and Groundwater Investigation, VAS activities, does the Department want permanent casings installed and grouted to confining layers, with the multiple string drilling to advance to lower aquifers, or shall temporary casing be placed and grouted as the casing is removed?

A26. Temporary casing and grout shall be used as necessary to prevent potential contamination across confining units.

Q27. Regarding Task 3 Soil and Groundwater Investigation, VAS activities, for proposal purposes, would the Department specify assumed numbers and depths for outer and inner casing strings, since these assumptions make a large difference in cost?

A27. See the answer to Question 5.

Q28. Regarding Task 3 Soil and Groundwater Investigation, VAS activities, since low flow procedures will not be required for groundwater sampling during drilling, will field filtering be required?

A28. Field filtration will not be required for the vertical aquifer sampling.

Q29. Regarding Task 3 Soil and Groundwater Investigation, VAS activities, does the Professional's trailer need to have an office for the Department to use?

A29. The DEQ does not anticipate needing office space at the site, other than occasional use in onsite meetings with Professional's staff.

Q30. Regarding Task 3 Soil and Groundwater Investigation, VAS activities, is the Professional responsible for: Porta-potty? Utility fees? What is the amperage rating of the existing power drop?

A30. It is assumed the Professional will provide all necessary facilities to assure the health and safety of onsite workers which would include providing restroom facilities during the vertical aquifer sampling event. A temporary electric drop has already been provided on the Hoskins Manufacturing Mio site that can be used by the Professional. The electricity usage is billed directly to the DEQ and will continue to do so throughout this project. Article 2 of the Contract for Professional Services states that the Professional's hourly billing rates shall include the cost of all telephone-related services, including cellular telephones. All other utilities costs must be covered by the Professional. The temporary electric is a 200 amp service with six 110 volt, 20 amp receptacles and one 220 volt, 50 amp 3 prong receptacle as appropriate for the MDEQ Mobile VOC laboratory.

Q31. Regarding tree cutting (tasks 3a and 3e), the amount of tree cutting for a well pad is rather straight forward, however, the amount of cutting and grubbing to create an access road for the drill rig is not. To provide a common basis for estimates, please specify an assumption for access road length (lineal ft).

A31. The longest access road that had to be cleared to date is approximately 500 ft long. However, effort was made to locate the access road along existing clearings and to avoid the very largest of trees.

Q32. Regarding Task 3f, are the groundwater samples to be collected at/near the water table?

A32. In the Scope of Work in Task 3f, it states the following:

“One groundwater sample will be collected from the water table at each boring.”

Q33. Regarding Task 5, will survey notes and data from previous investigations be available? Are the existing wells already tied to a USGS benchmark?

A33. In the Scope of Work under Responsibilities of MDEQ, it states the following:

The MDEQ will be responsible for the following:

- *Obtaining all Site access*
- *Providing the PROFESSIONAL with a CAD file of the Site map*
- *Providing the PROFESSIONAL with Excel files of all previous laboratory analytical results*
- *Providing the PROFESSIONAL with latitude, longitude and elevation of all monitoring wells and surveyed points in NAD 1983, Michigan State Plane Coordinate System Central Zone, International Feet.*

Q34. Regarding Laboratory Analysis, the last paragraph states "Costs for laboratory analysis, both mobile and stationary laboratory services, will be billed directly to the project. Sample analysis costs may not be charged by the Professional and will not be included in the cost for this contract." Does this include the contract mobile lab specified in Tasks 3d and 3f?

A34. Contract mobile laboratory costs will be billed directly to the DEQ and may not be charged by the Professional.

Q35. On page 4 of the RFP under Section II-2 "Management Summary and Work Plan" there are two references to a PERT-type display. It seems like this is really one chart. If they are different, how do they differ? Will one chart that identifies each sequence related, but undated event, task, and decision point suffice?

A35. Yes. One time-related chart, showing sequence of events (but undated event), tasks, and decision point in your work plan will suffice.

Q36. On page 5 of the RFP in the last paragraph a reference is made to Article 5, "Compensation Text". Article 5 is "Insurance". Should the reference be to Article 2, "Compensation"?

A36. Yes.

Q37. Does Oscoda County have a waste stream ordinance that requires disposal at a county-designated landfill(s)? Where has non-hazardous waste from the Hoskins Site been disposed in the past?

A37. Non-hazardous waste from the Hoskins Manufacturing Mio site has gone to the Montmorency County Landfill and Waters Landfill.

Attachments

Attachment I – Meeting Attendance Record

Attachment II – Revised Task Cost Sheet

Attachment III – LOE Scope of Work