



*Technical and Cost Proposal*  
for the  
City of Marquette  
Cliffs-Dow EPA Brownfield Cleanup Grant



Your Priority. **Our Promise.**

# ***TECHNICAL AND COST PROPOSAL***

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**Appendix I Resumes**

## 1. BUSINESS ORGANIZATION

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TriMedia Environmental & Engineering Services, LLC (TriMedia) is located at 830 W. Washington Street, Marquette, Michigan 49855. We are a Limited Liability Corporation operating from the State of Michigan. We appreciate having the opportunity to present this *Technical and Cost Proposal* for the Cliffs-Dow Environmental Protection Agency (EPA) Brownfield Cleanup Grant Project. Our physical location, available resources, and experience working on similar projects for other private, public, and institutional clients make our team uniquely qualified for this contract with the City of Marquette (City).

Established in 1995, TriMedia is a Native American-Owned, Indian Small Business Economic Enterprise, operating multiple regional offices. TriMedia provides professional consulting services on complex engineering and scientific subject matter concerns. We successfully complete hundreds of projects for governmental, private, and institutional clients every year under six disciplines including: environmental, industrial hygiene, health & safety, utility services, GIS/mapping, and land surveying. For more information regarding our corporate qualifications, experience, and capabilities please also visit us at [www.trimediaee.com](http://www.trimediaee.com).

TriMedia will provide expert, timely, and cost-effective services for this contract. Our staff will work closely with the City to understand project objectives and implement schedules that meet essential time constraints; we will collect necessary data and information in a professional manner to support the project; we will prepare final documents in accordance with state and federal guidelines; and we will communicate our progress every step of the way.

At TriMedia, health and safety are not just priorities, they are core values. We operate under a corporate behavior-based safety concept including regular staff and vendor interactions, including on-going task risk assessments. We have Certified Safety Professionals (CSPs) and Certified Industrial Hygienists (CIHs) to support internal health and safety, as well as project design considerations. As reflected by the following metrics, you can be assured that TriMedia will perform all assigned tasks in a safe and effective manner:

- Total Recordable Incident Rate since 2008 = 0
- Experience Modification Rate = 0.91

TriMedia has extensive experience in the technical, environmental, and economic aspects of projects involving contaminated properties. We also have significant experience with demolition and abatement projects including the successful completion of several power plant abatement, decommissioning, and demolition projects.

TriMedia has successfully completed thousands of projects for governmental, private, and institutional clients in the last 20+ years, including millions of dollars in environmental design and remediation projects for the State of Michigan. Some of TriMedia's most recent and notable contract awards with the State include: *Environmental ISID Contract Numbers 00553 and 00782*, and the *2013 Environmental Expanded Triage ISID Contract Number 0042*. In addition to our State of Michigan contracts, TriMedia has recently completed projects for: the City of Marshall, the City of Livonia, the City of Midland, the City of Marquette, the City of Negaunee, City of East Lansing, City of Taylor, Eastern Upper Peninsula Transportation Authority, Michigan Department of Transportation, Michigan Department of Corrections; the State of Wisconsin Departments of Administration, Commerce, Corrections, Natural Resources, State Facilities, and Transportation; the U.S. Fish & Wildlife Service; U.S. Department of Agriculture; U.S. Army Corps of Engineers; U.S. Geological Survey; U.S. Department of Interior; and U.S. Coast Guard.

## **2. STATEMENT OF THE PROJECT**

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TriMedia understands the objectives for this project include preparing a *Remedial Action Plan* (RAP) for submittal to the EPA and the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to outline a remedial approach at the Site. We understand all services provided (and all work by others) are to be done in accordance with the grant requirements. The selected consultant will provide a recommended approach to achieve the project goals and facilitate the selection of a qualified contractor for remediation activities (i.e., in-situ chemical oxidation (ISCO), etc.). The selected consultant will support community involvement activities with information and data and prepare all necessary cleanup planning documentation in conjunction with the selected remediation contractor. The selected consultant will oversee and monitor cleanup activities; prepare all necessary reports to comply with EPA and EGLE requirements; and communicate with EPA, the City, and EGLE as necessary to achieve the goals and objectives of the project.

### **3. MANAGEMENT SUMMARY**

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TriMedia will provide project management under this contract including, but not limited to:

- Communicating with City and/or Project Directors to accurately define the scope, deliverables, and identify required project close-out documentation.
- Assigning appropriate and qualified staff to each project and specified task based on the project's scope and deliverables.
- Providing routine project updates and draft documents to appropriate City staff during the development of project scope/specification/construction documents for review and comment prior to finalization.
- Providing contractor procurement, proposal review, contractor recommendation, contract award, coordination, review/negotiate/process change order requests, and review/process payment requests/invoices.
- Scheduling and oversight of field activities, staff, and contractors.
- Performing internal time and expense approvals on a weekly basis.
- Developing/submitting contract documents and pay requests as directed.
- Participating in/overseeing progress meetings with City staff or designated representatives.

TriMedia will provide the necessary written reports, verbal presentations, and documentation required for the successful completion of the project. The following summary provides a general project overview of the services typically provided by TriMedia under this task:

- Conduct a project kick-off meeting to discuss project requirements, establish lines of communication, review relevant documentation, and potential issues related to completion of the project.
- Maintain project records that include field documentation, laboratory results, maps, diagrams, and project documents and revisions.

- Provide detailed monthly invoices and summary work statements in any format deemed necessary by the City.

TriMedia personnel are experienced in the performance of project management and administration tasks, including document development; contractor procurement; value engineering analysis; constructability reviews; critical path schedule preparation, document updating and review; responding to requests for information or clarification; and evaluation of potential contract change orders, including cost and schedule impacts. TriMedia minimizes potential change orders by identifying potential areas of risk or conflict while developing the procurement strategy and project design documents. However, we recognize that unforeseen issues often arise during construction, and we are well prepared to evaluate the issue, determine the reasonable cost and schedule impact, and perform necessary contract negotiations.

TriMedia maintains a strict Quality Assurance / Quality Control (QA/QC) Program to ensure all project data meets the most stringent standards. We place significant priority in the QA/QC of all projects, including internal procedures, employee training, documentation generation, and data evaluation. TriMedia utilizes effective project management, peer review, standard operating procedures, work orders, and equipment maintenance to execute the QA/QC program. TriMedia reviews past work products, regulatory changes, and client feedback. In doing so, TriMedia enforces existing standards, revises the program as needed, and continues the process of improving the accuracy of the final product/deliverable(s).

TriMedia is intent on proving that engineering solutions can be practical and cost-effective and will only charge for services required and expended during the course of a project. Our proven track record reflects a majority of projects that have been completed on-time and within budget. Using Deltek Vantagepoint Software, TriMedia employees input their time and assign their hours to each project number. Other project-related costs, such as sub-contractor invoices, are also input under the same project number. At any time, a Project Manager can have an accurate accounting of all expenses being charged to a project. Invoices are generated and reviewed by Project Management personnel before being submitted to the City for payment.

## 4. WORK PLAN

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TriMedia has performed extensive assessment and monitoring activities associated with the Site since 1999 and is very familiar with the existing conditions, previous reports, scope of the project work and surrounding conditions, and has considered all Federal, State and local laws and regulations that may affect the cost, progress, and performance of the work.

Based on the provided scope of work for the EPA Cleanup Grant project, the following work plan framework has been developed:

1. Project Initiation and Planning
  - Kick-off meeting with all stakeholders (City Staff, EPA, EGLE, etc.).
  - Review and finalize project scope, objectives, and requirements.
  - Identify and secure necessary permits and regulatory approvals.
  - Develop project management plan, including communication protocols, risk management, and QA/QC procedures.
  - Develop initial cleanup plan, site specific quality assurance project plan (SSQAPP), Part 22 Groundwater Discharge Permit exemption.
2. Site Characterization and Assessment
  - Review existing site data, reports, and historical information.
  - Conduct additional site investigations, if necessary (e.g., soil borings, groundwater monitoring wells).
  - Evaluate hydrogeological conditions, groundwater flow patterns, and potential migration pathways.
  - Determine the nature and concentration of contaminants of concern (COCs).
3. Remedial Action Plan Development
  - Evaluate feasible in-situ remediation technologies (i.e., ISCO, bioremediation, air sparging, etc.).
  - Conduct treatability studies and/or pilot tests.
  - Develop a detailed RAP outlining the selected remediation approach.
  - Prepare design specifications, drawings, and engineering calculations.
  - Obtain regulatory approvals for the RAP.

4. Remediation Contractor Procurement
  - Develop a Request for Proposal (RFP) for solicitation of qualified contractor proposals/bids.
  - Review proposal/bid responses to select qualified and cost-effective contractor that will meet project objectives.
  - Perform contractor selection with input from project team.
5. In-Situ Remediation Implementation
  - Implement the selected in-situ remediation technology.
  - Monitor and optimize performance.
  - Conduct groundwater sampling and analysis.
  - Evaluate contaminant concentrations and migration patterns.
6. Monitoring and Reporting
  - Develop and implement an application-specific monitoring plan.
  - Collect and analyze groundwater samples at specified intervals.
  - Prepare and submit periodic monitoring reports to the project team.
  - Evaluate the effectiveness of the remediation efforts.
7. Project Closure and Demobilization
  - Determine when remediation objectives have been achieved (contaminant levels below Mixing-Zone Based GSI Criteria).
  - Prepare a project closure report.
  - Decommission and remove remediation components, if applicable.
  - Conduct site restoration activities (e.g., well abandonment, site grading), if applicable.
8. Project Management and Quality Assurance/Quality Control
  - Manage project schedule, budget, and resources.
  - Conduct regular progress meetings and provide project updates.
  - Implement QA/QC procedures for data collection, analysis, and reporting.
  - Maintain project documentation and records.

The anticipated tasks for the implementation of the EPA Brownfield Cleanup Grant per the RFP are as follows:

**Task 1: Evaluation and Procurement**

TriMedia will assume primary responsibility to outline the ISCO or alternative remediation contractor procurement process, identify and evaluate capabilities for qualified contractors, develop specifications, performance requirements and evaluation criteria for a RFP, evaluate responses and make a recommendation to City Staff and the City Commission for selection. TriMedia will serve as the Owner's Representative. The deliverable for this project task will include an RFP package to solicit proposals/bids from qualified contractors.

**Task 2: Community Involvement**

TriMedia will have a significant role in preparing information and reports, participating in the community public input session to discuss the approach and answer questions, interaction with the City attorney. and supporting City staff to establish and maintain an Information Repository as required under the EPA grant. The City anticipates three community public meetings through the Project. TriMedia will develop and provide support material for this project task.

**Task 3: Cleanup Planning**

TriMedia will be responsible for all required cleanup planning activities. These activities are anticipated to include the development, review, revision, and approval of the following documents: Initial Cleanup Plan, SSQAPP, Part 22 Groundwater Discharge Exemption Permit, and RAP.

**Task 4: Cleanup Implementation Oversight**

TriMedia will have primary responsibility for the following anticipated activities:

- Design plan review and approval.
- Prepare project specific Health and Safety Plan (HASP).
- Establish objectives, approach, and criteria of effectiveness for a bench scale and pilot study in conjunction with the selected remediation contractor, evaluating bench scale and pilot cleanup results and formulate recommendation for full scale remediation.
- Cleanup implementation oversight, installation inspection and review.
- On-going remediation contractor oversight and documentation.

## **Task 5: Monitoring, Evaluation, and Reporting**

TriMedia will perform monitoring, evaluation and reporting as outlined in the City of Marquette EPA Cleanup Grant RFP, dated February 15, 2024. The following anticipated activities, as well as any other activities required by EGLE and / or EPA associated with the project are as follows:

- Monitoring and Reporting Plan – preparation of a Monitoring and Reporting Plan for review and approval by EPA and EGLE, including the protocol and approach for sampling and analysis associated with the proposed remediation activities.
- Pilot Cleanup Evaluation – conduct site inspections to ensure compliance with the RAP, collect and analyze samples in accordance with the Monitoring and Reporting Plan, review results and prepare report with recommendations for implementing full scale remediation activities.
- Cleanup Evaluation – conduct site inspections to ensure compliance with RAP, collect and analyze samples in accordance with the Monitoring and Reporting Plan, review results and prepare final Monitoring Report and Cleanup documentation.

## **5. AUTHORIZED NEGOTIATORS**

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By action of its duly elected Board of Directors, TriMedia has elected Mr. Robert R. Lehto (906-228-5125) as its President and Mr. Thomas L. Anthos (906-228-5125) as its Vice President. These individuals have been granted the authority to contractually bind TriMedia. Based on our review of the proposed Master Services Agreement, TriMedia agrees to abide by the terms and conditions contained therein.

## **6. PRIOR EXPERIENCE DISCLOSURE**

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TriMedia has been selected by both municipalities and developers as they plan, develop, and implement projects involving the safe re-use of contaminated property. Some of the notable organizations include the City of Marquette and the effort to redevelop the former Cliffs-Dow property and the South and West Railyard properties; the City of Sault Ste. Marie involving re-development of the former Union-Carbide brownfield site; O'Dovero Development and Negaunee Township and its re-use of the former Marquette County Airport; Marquette County and the re-development of the former Pellestar property and its inventory of underutilized properties within the County; the Cummins Group/Lakeshore Park Place, LLC, and its re-development of the former

Lake Shore Inc. site (Marquette) into luxury townhomes and condominiums; and the City of Munising with redevelopment of brownfield properties along the lakefront.

Our environmental experience is broad and extensive. Project management, budgeting, and scheduling experience includes coordination with a variety of governmental agencies, public and private entities, and developers. A representative summary of TriMedia project experience with tasks similar to those anticipated for this contract is presented below along with references. Please contact any one of them for a better understanding of the quality of our professional services.

### **TriMedia Project: Lake Superior State University**

Client: Lake Superior State University, Stacey Charles, [scharles1@lssu.edu](mailto:scharles1@lssu.edu)

Description: TriMedia was contracted by LSSU as the environmental consultant for the Center for Freshwater Research and Education (CFRE) Brownfield Redevelopment Project. LSSU sought to redevelop a portion of the former Union Carbide properties at East Portage Avenue and Salmon Run Way in Sault Ste. Marie. On behalf of LSSU, the City of Sault Ste. Marie Brownfield Redevelopment Authority applied for and received an EGLE Brownfield Grant and Loan to fund environmental response activities, lead and asbestos abatement, and demolition. TriMedia performed investigation and sampling activities under the brownfield eligible activity, "Assessment and Investigation," in order to develop appropriate due care activities before and during construction at the historical site. The environmental investigation sought to quantify potential risk across the site with regards to utility corridors and the proposed building footprint, and 27 soil test pits were excavated from which soil and groundwater samples were collected. Based on laboratory results, TriMedia performed waste characterization of the future excavated material which supported remediation of site impacts through disposal of excavated material at an approved offsite disposal facility.

Laboratory results also indicated mercury was a chemical of concern for the vapor intrusion pathway. TriMedia pursued the installation of a vapor barrier with a passive venting system that could be converted to an active venting system as an option for addressing mercury and the vapor intrusion pathway. Given the time constraints of the project and the active construction conditions, the vapor mitigation design and installation work were completed outside of the EGLE Loan and

Grant funding. TriMedia provided third-party oversight of the vapor intrusion mitigation system installation in December 2020.

### **TriMedia Project: LifePoint Hospital**

Client: Duke LifePoint Hospital, Greg Zarnick, 615.920.7313, [greg.zarnick@lifepointhealth.net](mailto:greg.zarnick@lifepointhealth.net)

Description: TriMedia was contracted by Duke LifePoint to provide due diligence services of three properties in Marquette, Michigan. The effort was part of their evaluation to select new property for the construction of a \$500 million hospital facility. TriMedia prepared a Phase I Environmental Site Assessment (ESA) of the properties. Multiple recognized environmental conditions (REC) were identified, most notably historic rail operations and suspected off-site contaminant migration. As a result, a Phase II ESA was initiated. The Phase II ESA included advancement of multiple borings to collect soil and groundwater samples. Direct push drilling (track-mounted Geoprobe®) was used to advance borings and install groundwater monitoring wells at key areas throughout the site, allowing for the assessment of potential contamination. A Phase II ESA report was written upon completion of field activities, analysis, and receipt of analytical sample data.

Utilizing the results of the ESA's and background data acquired, TriMedia developed a Baseline Environmental Assessment (BEA) for the site. TriMedia also assisted the client and the city with preparing an Act 381 Brownfield Work Plan. Duke LifePoint moved forward with the demolition of existing facilities to construct the new hospital. TriMedia was retained to provide environmental and safety oversight during the construction phase, including oversight of remedial excavation work in impacted areas, waste characterization and landfill approvals, dust monitoring, preparing Soil Erosion and Sedimentation Control permits, and hazardous materials assessment prior to demolition of the facilities. TriMedia has also prepared three Phase I ESA's and one BEA for adjacent properties. Two of the adjacent properties required hazardous material assessments prior to demolition.

### **TriMedia Project: Brownfield Redevelopment**

Client: City of Marquette, Michigan, City Manager

Description: TriMedia conducted an assessment of contaminated groundwater at the former Cliffs-Dow property located on the shore of Lake Superior. This federal CERCLA project required the completion of a Groundwater-Surface Water Interface (GSI) assessment to verify whether contaminated groundwater was venting to Lake Superior. The project site was historically used

to manufacture charcoal pig iron until 1930, and later wood processing operations were installed to manufacture charcoal and related by-products including pyroligneous acid, methanol and acetic acid. TriMedia's responsibilities involved completion of the GSI investigation and assessment, including sampling and analytical analysis of groundwater samples and the preliminary development of an Industrial Closure request under the requirements stipulated in Part 201, Environmental Remediation, of the Michigan *Natural Resources and Environmental Protection Act* (NREPA), Public Act 451 of 1994, as amended.

### **TriMedia Project: South and West Railyard Redevelopment**

Client: City of Marquette, Michigan, City Manager

Description: TriMedia was retained by the City of Marquette to support redevelopment of over 40 acres of historic industrial property. The project was completed under the requirements stipulated by EGLE as part of its *Site Assessment Fund* program. These requirements, as well as those imposed by the City of Marquette, included development of technical Work Plans and budgets, formulation and presentation of a public education program, presentations to the City Commission, coordination with EGLE representatives, negotiation with the responsible party regarding existing liability and cost recovery, and project documentation and reporting required by the SAF program. TriMedia assisted the City in its development of a Clean Michigan Initiative Site Assessment Fund Grant application. TriMedia completed a *Phase I ESA*, identifying over 190 Recognized Environmental Conditions. An invasive sampling program was designed and completed by TriMedia involving the installation of 117 soil borings and 24 monitor wells for purposes of collecting 178 samples. Following completion of the field work, TriMedia authored a *BEA* and *Section 7a Compliance Analysis* governing safe re-use of the property. Ultimately, redevelopment of this property will include recreational, residential, commercial, and/or light industrial uses. Given the size of the property parcels, TriMedia utilized GIS technology to conduct and document environmental conditions affecting re-use. The environmental assessment and land-use planning phases of the project are complete. The GIS data is currently being utilized to facilitate completion of site engineering and related construction activities.

### **TriMedia Project: Gas Station Site**

Client: Zurich Insurance Company, Chris Hagerman, [christopher.hagerman@zurichna.com](mailto:christopher.hagerman@zurichna.com)

TriMedia was retained by the insurance carrier for a gas station site in Negaunee, Michigan to provide professional environmental consulting services associated with the suspected release of

gasoline from a UST system. Initial assessment activities performed by TriMedia confirmed that a release had occurred. TriMedia then conducted a remedial investigation at the site that included the advancement of numerous soil borings and installation of groundwater monitoring wells to define the extent of vertical and horizontal soil and groundwater impacts. Reporting submitted to EGLE includes an Initial Assessment Report (IAR), a FAR, and quarterly monitoring reports in accordance with Part 213. As a means to address areas of groundwater contamination, a Corrective Action Plan was developed that detailed the use of ISCO as a remediation approach. Upon approval of the plan and the completion of bench scale and pilot treatability studies, a series of full ISCO events were performed to chemically oxidize groundwater contaminants and enhance aerobic bioremediation. Performance of ISCO remediation activities have reduced groundwater contaminants to concentrations in which the site is eligible for regulatory closure.

As demonstrated above, TriMedia has an established project history of working with municipalities, regulatory agencies, property developers and the general public. In a number of instances, our work has been directly guided by EGLE under current EPA authority, and in other instances our work has been successfully completed in compliance with various Michigan grants.

## 7. PERSONNEL

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TriMedia’s goal is to provide the greatest value for our clients. We accomplish this, due in no small part to a support staff that is highly specialized and skilled, who ensure project details are handled correctly and efficiently. TriMedia will provide an appropriately licensed, experienced, and technically proficient project team to complete the project. Project supervision will be provided by Mr. Ryan Whaley, Environmental Manager. Other TriMedia staff with commensurate credentials will be utilized to assist with specific tasks. Qualifications for the following project team members are included in *Appendix I: Resumes*.

NAME	TITLE	ESTIMATED HOURS
1. Ryan J. Whaley, CHMM, REHS	Environmental Manager	88
2. James A. DeLiefde, EIT	Project Environmental Engineer	184
3. Dan A. Deaton, PE	Project Environmental Engineer	216
4. Helen A. Amiri, EIT	Staff Environmental Engineer	46
5. Ken G. Kaiser, GISP	GIS Manager / Brownfield Redevelopment Authority	54

NAME	TITLE	ESTIMATED HOURS
6. Michele L. Thomas	Project Coordinator	57
7. Nick A. Kosinski	Senior Field Technician	40

Given the resources that TriMedia maintains in-house (e.g., drilling, equipment, staffing), it is not anticipated that subcontractors will be used to complete project work. TriMedia recognizes that analytical laboratories may be needed for portions of the project work. Those selected laboratories will maintain the appropriate state certifications and requirements to complete project work. If other subcontractors are deemed necessary for project-specific tasks, TriMedia will seek approval from the City in advance.

## 8. TIME FRAME AND PROPOSED SCHEDULE

TriMedia understands the project is expected to begin April 1, 2024, and be completed by September 30, 2025. We will meet project assignment requirements by adhering to a schedule and clearly communicating with City project representatives throughout the project. At the beginning of the project, TriMedia's point of contact will discuss with the City specific project goals and expectations. These goals will be translated to a published schedule with subtasks relevant to the project for review by the project team. TriMedia will track project progress and provide project stakeholders with relevant updates to the project schedule. We conduct project progress meetings routinely with project managers and specific staff members to ensure labor allocation, equipment availability, timelines, expectations, and goals are being met.

The proposed project schedule is as follows:

TASK	START DATE	END DATE
<b>Task 1: Evaluation and Procurement</b>		
Project kick off	4/1/24	4/5/24
Identify and evaluate contractor capabilities	4/8/24	5/7/24
Develop specifications, performance requirements and evaluation criteria for RFP	4/22/24	5/15/24
RFP Dissemination and Response Period	5/15/24	6/14/24
Contractor recommendation to City	6/14/24	6/21/24
Task 1 Estimated Number of Staff Hours		65
<b>Task 2: Community Involvement</b>		
Prepare information and reports	4/8/24	6/30/25
Participate in the community public input sessions (3)	4/29/24	6/1/25

Task 2 Estimated Number of Staff Hours		32
<b>Task 3: Cleanup Planning</b>		
Initial Cleanup Plan	5/1/24	6/14/24
Site Specific Quality Assurance Project Plan	5/1/24	6/2/24
Part 22 Groundwater Discharge Exemption Permit	5/1/24	6/2/24
Remedial Action Plan	5/1/24	6/14/24
Task 3 Estimated Number of Staff Hours		224
<b>Task 4: Cleanup Implementation Oversight</b>		
Design plan review and approval	7/1/24	7/31/24
Prepare Health and Safety Plan	6/21/24	7/5/2024
Bench, pilot scale study and recommendation for full scale remediation	7/12/24	8/30/24
Cleanup implementation oversight, installation inspection and review	10/7/24	12/30/24
On-going Cleanup contractor oversight	7/12/24	12/30/24
Task 4 Estimated Number of Staff Hours		182
<b>Task 5: Monitoring, Evaluation and Reporting</b>		
Monitoring and Reporting Plan	5/1/24	7/1/24
Pilot Cleanup Evaluation	8/30/24	9/27/24
Cleanup Evaluation	12/30/24	9/1/25
Task 5 Estimated Number of Staff Hours		182

## 9. COST AND PRICE ANALYSIS

In an effort to provide the City with a reasonable means of estimating expenses for the project, TriMedia proposes to complete the aforementioned tasks on a time and expense basis for the not-to-exceed fee of **\$125,000.00**. In no case will the project estimate be exceeded unless so authorized by the City, in writing. In this way, should some of the project contingencies not be necessary, the City will limit expenses related to this project because TriMedia will only invoice for costs incurred. The project cost is further defined as follows:

TASK DESCRIPTION	COST
Task 1: Procurement	\$11,200.00
Task 2: Community Involvement	\$5,600.00
Task 3: Cleanup Planning	\$38,720.00
Task 4: Cleanup Implementation Oversight	\$31,210.00
Task 5: Monitoring, Evaluation and Reporting	\$28,110.00
Expenses	\$10,160.00
Total	\$125,000.00

This cost and price analysis is submitted in full compliance with the provision of the paragraph titled 'Independent Price Determination' in Part V of the RFP to which this proposal is a response.

## 10. ADDITIONAL INFORMATION

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TriMedia has a proven track record of successful projects of this type; is familiar with the contractor market in the region; is well versed in Federal and State of Michigan requirements; and well respected by regulators and contractors alike. TriMedia's geographical location coupled with its experience and expertise make it well positioned to best serve the needs of the City to oversee all aspects of the contract. Considering the nature of the services we propose to provide, we believe value (experience and technical approach) and proven ability should weigh heavily in the selection process.

**Your Priority. Our Promise.** On behalf of the professional staff at TriMedia, we look forward to your review and the opportunity to be of service on this project. If additional information is required, please contact us at (906) 228-5125.

**APPENDIX I**  
**RESUMES**

## **Ryan J. Whaley, CHMM, REHS**

Environmental Manager

*rwhaley@trimediaee.com*

### **Summary of Professional Experience**

Mr. Ryan Whaley serves as manager for the environmental team. Over the course of his 20-year career, Mr. Whaley has managed all aspects of site assessment, contaminant clean-up, regulatory compliance assessment, and natural resource and environmental management projects. He has a working knowledge of state and federal regulations/guidelines associated with a wide range of environmental and natural resource projects.

Mr. Whaley has considerable experience in the environmental and regulatory compliance industry. Areas of expertise include: underground storage tank management, site characterization and investigation, remediation, environmental monitoring and permitting, waste management, brownfield redevelopment, environmental drilling and investigation and cleanup of accidental spills.

Prior to joining TriMedia in 2007, he was the Noncommunity Public and Private Water Supply Coordinator for the Luce-Mackinac-Alger-Schoolcraft District Health Department.

### **Certifications**

- Certified Hazardous Material Manager – Institute of Hazardous Material Management
- Registered Environmental Health Specialist/Registered Sanitarian – National Environmental Health Association
- OSHA 40-Hour Hazardous Waste Operation and Emergency Response
- OSHA 30-Hour Construction Safety and Health
- MSHA Experienced Miner Training – Metal and Non-Metal, Aboveground

### **Affiliations**

- Michigan Association of Hazardous Materials Professionals
- Alliance of Hazardous Materials Professionals
- Michigan Association of Environmental Professionals

### **Education**

- B.S. – Natural Resources & Environmental Management, Ball State University, Muncie, Indiana.

### **Areas of Specialty**

- Environmental Due Diligence
- Regulatory Compliance
- Soil & Groundwater Remediation
- Brownfield Redevelopment
- Hazardous Waste Management/Waste Minimization
- Environmental Drilling
- Risk Assessment
- Natural Resources Management
- Compliance Assessments
- Emergency Response/Accidental Spills
- Facility Audits

**James A. DeLiefde, EIT**  
Project Environmental Engineer  
*jdelifde@trimediaee.com*

### **Summary of Professional Experience**

Mr. DeLiefde is an environmental engineer with a strong background in environmental studies and engineering, research, laboratory analysis, and the use of the latest environmental computer resources and programs.

As a Project Engineer with TriMedia, Mr. DeLiefde has conducted air, noise, and vibration monitoring during large scale construction and remediation projects. Mr. DeLiefde has managed soil, groundwater, and vapor intrusion assessments on a variety of projects regulated under MI Part 201 and 213 programs.

He is proficient in the use, calibration, and maintenance of environmental instrumentation, including photoionization devices, water level probes and interface probes, water quality meters, Trimble data collection devices, combustible gas meters, and select utility locating devices including electromagnetic locators and ground penetrating radars.

Mr. DeLiefde's efforts also focus on environmental compliance, risk assessment, contaminant clean-up, and remedial treatment system operation and maintenance. He assists senior personnel on environmental projects throughout the Midwest. He has provided contractor oversight during in-situ remedial discharges to enhance microbial biodegradation, and the installation and retrofitting of groundwater and soil remediation systems, including excavation and back filling activities.

### **Certifications**

- E.I.T., State of Michigan
- American Red Cross First Aid and CPR
- OSHA 40-Hour Hazardous Waste Operations and Emergency Response
- OSHA 30-Hour for General Industry
- State of Michigan Storm Water Management Operator-Construction Site A-1j
- State of Michigan Industrial and Commercial Waste Water Treatment Plant Operator Certification A-2d (air stripping) and B-3b (carbon adsorption).

### **Education**

- B.S. – Environmental Engineering, Michigan Technological University, Houghton, Michigan

### **Areas of Specialty**

- Site Investigation
- Remedial Treatment System Operation, Maintenance and Installation
- Environmental Software & Programs
- Hazardous Waste Management/Waste Minimization
- Environmental Assessments
- Environmental Audits
- Environmental Sampling and Monitoring
- Emergency Response

## Daniel A. Deaton, PE

Project Engineer

*ddeaton@trimediaee.com*

### Summary of Professional Experience

Mr. Daniel Deaton is an environmental engineer with six years of experience working on environmental compliance projects, consulting, project leadership, and data analysis for manufacturing and mining industries.

Mr. Deaton provides environmental consulting by supervising environmental due diligence, regulatory compliance, lead-containing paint removal, asbestos consulting, and brownfield redevelopment projects.

Mr. Deaton has specialized skills associated with PARCview - enterprise resource planning software, PI processbook - software that allows creation of dynamic, interactive graphics and trends with real-time data, SAP - enterprise resource planning software, Hach Water Information Management Solution - water information system used to capture data for reporting, analysis and monitoring of common industrial water processes, Proficy - data management software that collects and analyzes data, and Microsoft 365.

Prior to joining TriMedia, he was an Environmental Engineer in the steel mill / aggregate mining industry where he provided environmental compliance support for 15 domestic steel mill services sites and provided input on initial site design and permitting for additional expansions at existing operations.

### Certifications

- Professional Engineer License No. 6201309887
- Industrial Storm Water Operator No. 15650

### Education

- B.S. – Environmental Engineering, Michigan Technological University, Houghton, Michigan.

### Areas of Specialty

- Industrial Stormwater Compliance and Permitting
- NPDES Compliance and Permitting
- Groundwater Monitoring and Reporting
- Potable Water Monitoring and Reporting
- SPCC – Spill Prevention, Control and Countermeasure
- PIPP – Pollution Incident Prevention Plan
- FRP – Facility Response Plan
- SARA 311/312/313 (TRI)
- Waste Characterization
- TSCA Reporting
- CERCLA Reporting
- DMR
- DMR-QA
- Solid and Hazardous Waste Compliance
  - Landfill Management, Compliance and Reporting
  - Universal Waste
  - Hazardous Waste
  - Biosolids Management
- Emergency Preparedness and Response Plans
- Air permit renewals

## **Helen Amiri, E.I.T**

Staff Engineer

*hamiri@trimediaee.com*

### **Summary of Professional Experience**

Ms. Helen Amiri is an environmental engineer with an extensive educational background. As part of her master's program, she served in the South Pacific as a Peace Corps Water and Sanitation Hygiene Specialist, working with rural island communities, government agencies, and international nongovernmental organizations to improve water and sanitation infrastructure.

Ms. Amiri has experience which includes consulting with industry for stormwater compliance, wastewater treatment and hazardous material disposal. She has experience writing Phase I Environmental Site Assessments and has assisted with air quality compliance reporting. She has written environmental baselines to establish conservation easements and has experience performing conservation compliance monitoring.

Ms. Amiri has years of experience in drilling environments, supporting domestic well water and geotechnical drilling teams in isolated settings. Prior to joining TriMedia, she co-owned a drilling company in Vanuatu, where she coordinated with diverse teams on a variety of development projects.

### **Certifications**

- E.I.T., State of Michigan
- OSHA 40-Hour Hazardous Waste Operation and Emergency Response (HAZWOPER)
- MSHA Experienced Miner – Metal and Non-Metal - Aboveground
- Storm Water Operator – Construction Sites (#23518)
- Storm Water Operator – Industrial Sites (#18931)
- CPR/AED Certified, American Heart Association

### **Education**

- M.S. – Environmental Engineering, Michigan Technological University, Houghton, Michigan.
- Graduate Certificate – Sustainable Water Resource Systems, Michigan Technological University, Houghton, Michigan.
- M.A. (Hons.) – International Relations and Film Studies, University of St. Andrews, St. Andrews, United Kingdom.

### **Areas of Specialty**

- Environmental Due Diligence
- Regulatory Compliance
- Environmental Drilling
- Risk Assessment
- Natural Resources Management
- Compliance Assessments
- Environmental Sampling and Monitoring
- Emergency Response



## **Ken G. Kaiser, GISP**

GIS Manager

*kkaiser@trimediaee.com*

### **Summary of Professional Experience**

Mr. Kaiser serves as Geographic Information Systems (GIS) Manager providing Geospatial Data services at TriMedia. He has over 20 years of experience with the last 17 being as a GIS consultant. Previous to that, Mr. Kaiser served as both GIS Director and GIS Specialist at the County and City Government level. He also has a strong background in custom field data collection apps, custom web maps, and data dashboards.

Mr. Kaiser has managed a wide variety of GIS projects. While at Marquette and Ottawa Counties, he managed the implementation of GIS across all county departments. While at the City of Marquette, he developed the initial GIS and integrated it into multiple departments. As a GIS consultant, he has managed many GIS projects such as transportation feasibility studies, environmental site historic data management, E-911 GIS/GPS integration, wind farm siting, project metrics, enterprise GIS planning and integration, high hazard dam flood inundation mapping, utility mapping, field data collection/GIS integration, and large scale environmental response geospatial data management.

### **Certifications**

- Geographic Information Systems Professional (GISP)
- ESRI ArcIMS
- ESRI ArcSDE
- Zoning Administration
- OSHA 40-Hour Hazardous Waste Operation and Emergency Response

### **Education**

- B.S. – Earth Science, Northern Michigan University, Marquette, Michigan
- Graduate Studies –GIS/Resource Analysis, Saint Mary's University, Winona, Minnesota

### **Areas of Specialty**

- Geographic Information Systems
- GIS Software Integration
- Emergency Response GIS
- GIS Implementation Planning
- GPS Field Data Collection Apps
- Geospatial Data Management and Design
- Parcel Mapping
- E-911 Data Collection and Implementation
- Location Analysis
- Facilities Mapping
- Cemetery Mapping
- Project Metrics/Dashboards
- Comprehensive Planning and Zoning

**Michele L. Thomas**

Project Coordinator

*mthomas@trimediaee.com***Summary of Professional Experience**

Ms. Thomas has a strong background and experience as a project coordinator and cost controls analyst. She brings administrative expertise, leadership, communication, and organizational skill to her position and in service to TriMedia clientele.

As Project Coordinator, responsibilities include compiling and formatting project information and data consistent with TriMedia's Quality Assurance/Quality Control standards. Specific duties include preparing outgoing documents, field data entry, and the tracking and coordinating of field assignments. In addition, she is cost analyst for a multi-million-dollar project.

Ms. Thomas is proficient in many of the latest computer software applications. She coordinates, manages, and records site-specific information and data, including analytical laboratory documentation, project correspondence, field measurements and analytical analysis, as well as provides cost controls including work order management and accounting processing. She is involved with many aspects of client service and administration.

Ms. Thomas has an extensive background in administration and facilities management for engineering and environmental firms. Prior to joining TriMedia she served as a Regional Facilities Manager and managed several administrative offices. Her effective communication and organization skills make Ms. Thomas a great asset to both TriMedia and our clients.

**Education**

- A.A. Business Management – Northern Michigan University

**Areas of Specialty**

- Quality Assurance/Quality Control
- Cost Control
- Report Data Dissemination
- Computer Applications: MicroSoft Word, Excel, Access, Power Point
- Client Service
- Facilities Management
- Written Communication
- Internal Policies and Procedures

## Nicholas A. Kosinski

Senior Field Technician and  
Drilling Manager  
[nkosinski@trimediaee.com](mailto:nkosinski@trimediaee.com)

### Summary of Professional Experience

Mr. Kosinski specializes in the application of environmental field activities and accurate data collection. He is particularly experienced with environmental drilling techniques and possesses expertise in the advancement of soil borings and the installation of monitoring wells in accordance with applicable regulations as well as various sampling methods and applications. He is skilled in the safe use and maintenance of drilling equipment to ensure on-site safety and efficiency, having led direct push and hollow stem auger environmental drilling initiatives at sites throughout the United States.

Additionally, Mr. Kosinski has worked extensively on emergency chemical and petroleum product spills, most recently on crude oil pipeline releases in Grand Marsh, WI and Marshall, MI. He managed environmental drilling activities in Grand Marsh and served as an Environmental Inspector during submerged oil clean-up activities on the Kalamazoo River (Marshall) spill - one of the largest pipeline releases in Midwest history.

As an experienced environmental professional, Mr. Kosinski routinely leads and assists with contamination investigations, environmental monitoring, waste management, and operation and maintenance of remedial treatment systems. He is proficient in the use, calibration and maintenance of environmental instrumentation, including photoionization devices, water level probes and interface probes, water quality meters, data loggers, and combustible gas meters among others.

### Education

- B.S. – Environmental Science and Conservation, Northern Michigan University, Marquette, Michigan

### Certifications

- OSHA 40-Hour Hazardous Waste Operation and Emergency Response
- OSHA 30-Hour Construction Safety and Health
- MSHA (surface)
- Operator Qualification (OQ) Covered Tasks – Locate Line, Install Temporary Marker, Inspect and Maintain Temporary Marker, General Abnormal Operating Conditions
- Veriforce (OQ) Covered Tasks – Locate Line, Install Temporary Marker, Inspect and Maintain Temporary Marker, General Abnormal Operating Conditions
- Geographic Information Systems (Certificate)
- North Dakota Certified Monitoring Well Contractor

### Areas of Specialty

- Environmental Drilling (Direct Push and Hollow Stem Auger and Geotechnical drilling) Techniques
- Managing Environmental Drilling Activities
- Safe Use and Maintenance of Drilling Machinery
- Installation of Monitoring Wells
- Ditch Witch Hydrovac operator
- Monitoring Well Abandonment
- Groundwater, Soil, Sludge and Waste Sampling
- Groundwater dating
- Surface water monitoring and flow data collection
- Environmental and Geotechnical Subsurface Investigations
- Remedial Treatment System Construction, Operation and Maintenance
- Emergency Spill Response
- Four-Way Sweeps
- Utility Locating
- Safety Inspector
- Environmental inspector
- Survey123
- Community air monitoring



### ENVIRONMENTAL

Spill Response  
Brownfield Redevelopment  
Remedial Treatment Systems  
Hazardous Waste Management  
Property Due Diligence/Permitting  
Wetlands Management  
Permitting



### INDUSTRIAL HYGIENE

Air Sampling  
Risk Assessments  
Personnel Monitoring  
Community Air Monitoring  
Hearing Conservation  
Building Contaminant Assessments  
-Asbestos, Mold, Mercury, Lead



### HEALTH & SAFETY

Safety Audits  
Project Safety Oversight  
Employee/Work Task Safety  
Written Safety Programs  
Employee Training  
ISO 1900 Assessments  
OSHA Mitigation



### UTILITY SERVICES

Engineering Design and Support  
Utility Locating/4-Way Sweep and GPR  
Land Surveying  
GIS Mapping  
CADD Services  
Ground Disturbance Coordination  
Hydrostatic Testing  
Drone Work  
Field Inspection



### GEOSPATIAL DATA (GIS) SERVICES

GIS Planning/Budgeting  
Parcel/Tax Mapping  
E-911 Mapping  
Database Development  
Data Management  
CAD Data Conversion & Integration  
Aerial Photo Acquisition & Interpretation



### SURVEYING

Construction Surveying  
Boundary Surveying  
GPS Machine Controls  
Geodetic & Control Surveys  
Topographic Surveying  
Bathymetric Surveying  
ALTA Surveys