Mullins Rubber Products
Riverside, Ohio
Site-Specific Health and Safety Plan (HASP)

1. General Information

Client Name:	Dinsmore & Shohl, LLP	Project #:	243854.0000.0000	Task #:
Project Name:	Mullins Rubber Products – SVE Pilot Test	Project Manager:	Brooks Bertl	
Street Address:	2949 Valley Pike	City, State, ZIP	Riverside, Ohio 45404	
Prepared By:	David Kreeger	Date:	October 29, 2015	
Approved By:	(PM) Brooks Bertl	Approved By:	(Safety Network Member) Colin Daining	
Date:	October 29, 2015	Date:	October 29, 2015	

Proposed Date(s) of Work: November 2015 – February 2016

Proposed Scope of Work On Site:

Design, install, operate, maintain, and monitor a pilot-scale soil vapor extraction (SVE) treatment system for VOC-affected soil at the Mullins Rubber Products.

Specific tasks include:

- Advance and install SVE recovery wells
- Advance and install subsurface vacuum monitoring points
- Install pilot-scale SVE treatment system
- Perform SVE operation and maintenance tasks
- Collect SVE system performance data, including sampling tasks

Sub-Contractor Safety Qualification (qualified to work for TRC):

Drilling: **TBD** **Qualification Method:** PICS ☐ Internal ☐ Not Qualified ☐

SVE Installation: **TBD** **Qualification Method:** PICS ☐ Internal ☐ Not Qualified ☐

Other: **TBD** **Qualification Method:** PICS ☐ Internal ☐ Not Qualified ☐

Risk Analysis (RA)

Mullins Rubber Products (Riverside, Ohio)

TRC Role(s) On Site:

☐ TRC Staff Will Not Be On Site (RA is for subcontractor information only)

☒ Resident Project Representative (*e.g.,* "Observe and Document")

☐ Construction Manager (*e.g.,* CM, Managing/General Contractor)

☒ Representative for Client (*e.g.,* "Agent for Owner")

☐ General On-site Consulting/Engineering Services

☒ Other

☒ Soil Sampling	☒ Solid Waste Sampling	☐ Liquid Waste Sampling
☐ Groundwater Sampling	☐ Surface Water Sampling	☒ Soil Vapor Sampling
☒ SVE O&M	☒ SVE Performance Monitoring	☐ Confined Space Entry

Major Project Tasks	TRC Task	Subcontractor Task	Minimum PPE Level Required see HASP for details (suggested levels for Subcontractor work)
1. SVE Recovery Well Installation	☒	☒	☐ N/A ☒ D ☐ C ☐ B ☐ A
2. Subsurface Vacuum Monitoring Point Installation	☒	☒	☐ N/A ☒ D ☐ C ☐ B ☐ A
3. Pilot-Scale SVE Treatment System Installation	☒	☒	☐ N/A ☒ D ☐ C ☐ B ☐ A

2. Contingency Planning

LOCAL EMERGENCY RESOURCES:	
Ambulance: 911	Emergency Room: Miami Valley Hospital (937) 208-8000
Police: 911	Fire Department: 911
USEPA Contact: ☐ N/A ☒ Sonia R. Vega (630) 481-5025	Poison Control Center: 1-800-222-1222 ☐ Specify:
Other (client services offered, etc.):	

SITE RESOURCES:			
Drinking Water Supply	☒ TRC	☒ Subcontractor	☐ Client
Wash Water Supply	☐ TRC	☐ Subcontractor	☒ Client
Telephone – Land Line		☐ Subcontractor	☒ Client
Telephone - Cellular	☒ TRC	☒ Subcontractor	
First Aid Kit	☒ TRC	☒ Subcontractor	
Fire Extinguisher	☒ TRC	☒ Subcontractor	☐ Client
Emergency Shower	☐ TRC	☐ Subcontractor	☐ Client
Eye Wash	☒ TRC	☐ Subcontractor	☐ Client
Other:	☐ TRC	☐ Subcontractor	☐ Client

EMERGENCY/SAFETY CONTACTS:	
TRC Project Coordinator	Kevin Kallini (513) 489-2255 (work) (513) 505-5217
TRC Technical Coordinator / Project Manager (PM):	Brooks Bertl (317) 517-2616
TRC Field Coordinator:	David Kreeger (614) 655-5368 (work) (734) 904-3312 (mobile)
TRC National Safety Director (Mike Glenn): TRC Safety Manager (Tim Johnson):	Mike Glenn (949) 727-7347 (office) (949) 697-7418 (cell) Tim Johnson (949) 727-7363 (office) (925) 260-9491 (cell)
Radiation Safety Officer (RSO):	(NA)
TRC Practice Safety Manger: – Air Monitoring Plans – Confined Space Permits – Demolition Plan Approval – Excavation Permits – Hot Work Permits – Lighting Plan Approval – Lockout/Tagout Permits – Scaffolding Permits – Traffic Control Plan Approval	Dave Sullivan (978) 656-3565 (work) (978) 758-2809 (cell)
TRC Field Contact:	Andrew Davis (513) 315-6748
Contractor Contact:	**TBD**
Client Contact:	Timothy Hoffman – Dinsmore & Shohl, LLP

Emergency Route (provide detailed directions and attach a map on following page):

Hospitals or clinics identified for emergency medical care should be contacted, to verify that emergency care is provided at that location. Verify the exact location of the medical facility during this call.

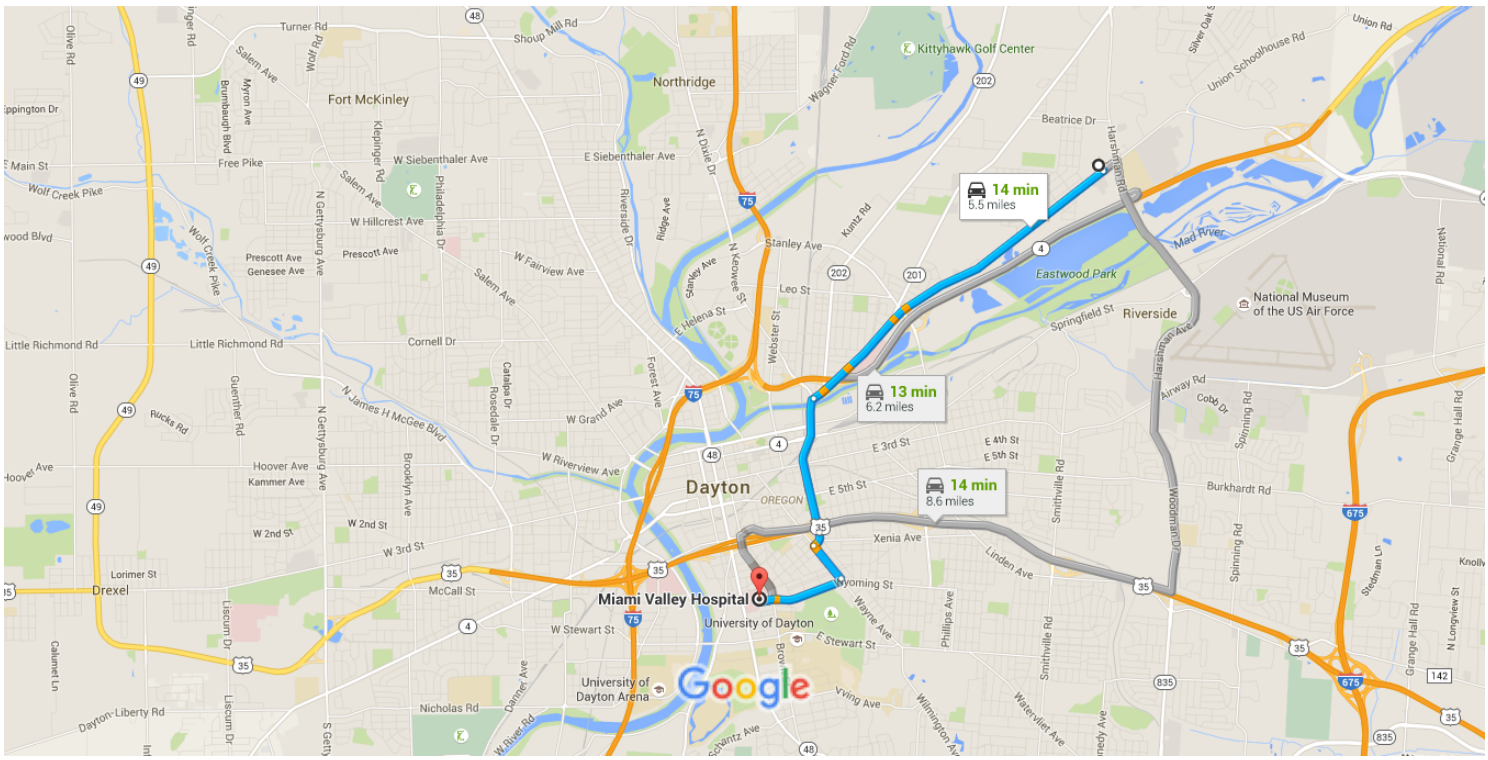
Hospital: Miami Valley Hospital
1 Wyoming Street
Dayton, Ohio 45409
(937) 208-8000

Other:

Google Maps

2949 Valley Pike, Dayton, OH 45404 to Miami Valley Hospital

Drive 5.5 miles, 14 min



Map data ©2015 Google 1 mi

2949 Valley Pike

Dayton, OH 45404

1. Head southwest on Valley St toward Mercury Dr — 3.1 mi
2. Valley St turns left and becomes N Keowee St — 1.1 mi
3. Continue straight onto S Keowee St — 0.1 mi
4. Turn left onto Wayne Ave — 0.4 mi
5. Turn right onto Wyoming St — 0.7 mi
6. Turn right onto Colby Ln — 161 ft
   Destination will be on the right

Miami Valley Hospital

1 Wyoming Street, Dayton, OH 45409

These directions are for planning purposes only. You may find that construction

Emergency Procedures:

If an emergency develops at the site, the first responder should take the following course of action:

- Notify the proper emergency services for assistance.
- Notify other personnel at the site.
- As soon as possible, contact the TRC National Safety Director and Project Manager to inform them of the incident.
- For non-emergency situations, immediately contact WorkCare at (888) 449-7787.
- Complete the TRC Incident Report within 24 hours of the incident and an client notifications, as required.

Investigation of Near Miss Incident and Initial Report of Incident/Exposure:

TRC employees are required to report any incident, near miss, or injury, as soon as possible, by contacting the following:

☒ TRC National Safety Director
Mike Glenn (949.697.7418 cell); or

Office H&S Coordinator
Curt Kugler (513.505.5359); or

TRC National Safety Manager
Tim Johnson (949.727.7363 office)

☐ Notify supervisor

☒ Notify project manager

Brooks Bertl
(317) 517-2616

☐ Notify client
(name): _____
(phone number) _____

☐ Complete client report:

Note: Pursuant to TRC's "Drug and Alcohol-Free Workplace" policy (#TRC Academy Course #900013753), TRC may require employees or subcontractors to be tested upon reasonable suspicion, following accidents or incidents during work activities, or during travel to or from a project site. Client policies may be more stringent in regard to procedures following an accident. Project managers must be aware of these and inform employees and subcontractors of any additional requirements.

Emergency Equipment Required On Site:

☒ First Aid Kit

☒ Emergency Eye Wash

☐ Emergency Shower

☒ Fire Extinguisher

☐ Spill Control Media

☐ Tripod/Hoist/Harness for non-entry confined space rescue

3. Site Classification

	Identification of Potential Hazards	YES	NO	SITE TYPE(1)
1.	Is the work a Phase I ESA (i.e., supervised plant walk-through, etc.)?	☐	☒	1
2.	Is the work being performed solely by a subcontractor (i.e., TRC not on site)?	☐	☒	1
3.	Is the work just a supervised inspection for process evaluation, other inspections, meetings, records review, or a tour?	☐	☒	1
4.[1]	Is the work completely absent any chemical, physical, biological, or radiological hazards which would require a site specific health and safety plan?	☐	☒	1
5.	Does the work include any mandatory client H&S requirements?	☐	☒	1, 2, or 3
6.	Does the project include on-site work other than office type areas?	☒	☐	2 or 3
7.	Does the proposed work scope involve any of the following:			
	Known and controlled chemical or biological hazards	☒	☐	2
	Unprotected work at elevation (fall protection required)	☐	☒	2
	Invasive activities (*i.e.,* Phase II ESA, UST Removal, sampling, etc.)	☒	☐	2 or 3
	Exposure to ionizing radiation (i.e., using nuclear gauges, etc.)	☐	☒	2 or 3
	Open excavations/trenches (Competent Person may be required on site)	☒	☐	2 or 3
	Confined space entry (permit may be required)	☐	☒	2 or 3
	The use of scaffolding (qualified inspections are required)	☐	☒	2 or 3
	Heavy equipment	☒	☐	2 or 3
	Facility maintenance (O&M, piping, electrical, lockout/tagout, etc.)	☒	☐	2 or 3
	Underground utilities may be encountered	☒	☐	2 or 3
	Overhead utilities may be encountered	☒	☐	2 or 3
	Stack testing	☐	☒	2 or 3
	Geotechnical drilling (SVE Well Installation & Soil Sampling)	☒	☐	2 or 3
	Demolition Activities with known or suspected contamination	☐	☒	2 or 3
	Unknown or uncontrolled chemical or biological hazards	☐	☒	3
	Known and uncontrolled chemical or biological hazards	☒	☐	3
	Waste sampling	☒	☐	3
	Construction activities with known or suspected contamination	☒	☐	3
	Remedial activities (RCRA, CERCLA, EnviroBlend®, Oxigent, etc.)	☒	☐	3
8.	Is the work regulated by 29 CFR 1910.120 (OSHA) or 30 CFR (MSHA)?	☐	☒	3
9.	Is the work regulated by NPL, CERCLA, RCRA, TSD, or SARA?	☒	☐	3

(1) Denotes typical site level (based on activities).

Site Type Designation:

☐ **Type 1** Known and controlled hazards associated with consulting/engineering services.

☐ **Type 2** Known and controlled hazards, but with invasive, hazardous activities and/or civil/mechanical construction related services, or sampling.

☒ **Type 3** Unknown and/or uncontrolled hazards associated with corrective action clean-up, and/or remediation of hazardous substances.

4. Site Characterization

Client Requirement(s)[1]:	☒ None	☐ Site Orientation	☐ H&S Orientation
	☐ Permits or Other Requirements (specify and attach, if available):		
Site Information:	☒ Map/Diagram (attach)	☐ Map/Diagram Unavailable	
	☐ Inactive Site	☒ Active Site (specify below)	
General Environmental Concerns:	☒ Contaminated Water	☐ Wastewater	☒ Dust
	☒ Contaminated Soil	☐ Solid Waste	☒ Noise
	☒ Contaminated Air	☐ Waterways	☐ Other:
Site Security/Access Control:	☐ None	☒ Site is fenced	
	☐ Other (explain):		
Amenities Available for Work:	☐ None	☐ Waste Storage	X Restrooms
	☒ Tools/Equipment Storage	☐ Office/Trailer Space	X Supplies Storage
Utilities Available For Work:	☐ None	☒ As Listed: Water, electric	
Medical Services Available:	☒ None On Site	☐ As Listed: First aid	
Facility Alarms/Signals:	☐ None	☒ As Listed: Fire Alarm	
Traffic/Parking/Railway Issues:	☐ None	☒ As Listed (On-Site/Off-Site): On-site parking	
☐ Permits Required (specify)[2]:	☐ TRC: Confined Space Entry	☐ Local:	☒ State: Air Emissions
	☐ Federal:	☐ Other:	☐ N/A
☒ Utility Locate Service(s):	☒ On Site	☒ Client	☐ Other:
	☐ Off Site	☒ Diggers Hotline	☐ One Call
		☐ Julie, Inc.	☐ N/A

[1] If relying on the client for any specific hazard identification and control, implemented control and effectiveness should be documented prior to beginning any work activities. This is recommended for all field projects.

[2] Permit examples: Utilities (electrical, water, gas, etc.); Excavations; Explosives; Cranes; Burning; Fuel storage; Traffic control; Hoists; Cutting; Welding; Demolition; Confined space; Restricted access areas; etc.

Detailed Physical Description of Site/Facility: ☒ Map/Diagram Attached

Site Activities/Current Operations: ☐ None ☒ Rubber manufacturing

Other Concurrent Site Activities, Work, and/or Other Adjacent Hazards or Concerns:

☐ None

As Specified:

☒ Schools	☐ Daycare	☐ Hospital	☐ Airport
☐ Residential	☒ Offices	☒ Shopping	☐ Active parking lot in work space

Legend

Parcel

VOC = Volatile Organic Compounds

Source: Aerial Imagery, Bing Maps 2010

100 0 100

Feet

Mullins Rubber Products
Riverside, Montgomery County, Ohio

Site Detail

Prepared For: US EPA | Prepared By: Tetra Tech

File Path: G:\GIS\R26-START IV\Ohio\Valley Pike VI Site\mxd\2015-01\Fig2-SiteFeatures.mxd

Date Saved: 3/5/2015

EPA Contract No.: EP-S5-13-01

TDD No.: 0001/S05-0001-1404-011

5. Hazard Evaluation

Complete (1) Substance Name (be specific)	Specific Applicable OSHA Standard (if any)	Physical State (2) (S, L, G, Aq, Vap, F, P)	Max. (3) Conc. Level Per Physical State	General (4) Control Measures (Eng., Admin., PPE)
Tetrachloroethene (PCE)	**N/A**	**S, Aq, Vap**	**2,040 mg/kg** **19.43 mg/L** **3,550,000 ug/m³**	**PPE**
Trichloroethene (TCE)	**N/A**	**S, Aq, Vap**	**411 mg/kg** **0.028 mg/L** **44,400 ug/m³-v**	**PPE**
1,2-Dichloroethene (1,2-DCE)	**N/A**	**S, Aq, Vap**	**<0.22 mg/kg** **<0.05 mg/L** **4,040 ug/m³**	**PPE**
Vinyl Chloride	**1910.1017**	**S, Aq, Vap**	**<0.22 mg/kg** **<0.02 mg/L** **<258 ug/m³**	**PPE**

(1) Use OSHA regulated name, not elemental forms. If available, attach SDS. Identify any sample preservative or O&M chemicals or subcontractor chemicals in this table also.
(2) S = Solids, L = Liquid, G = Gas, Aq = Aqueous, Vap = Vapor, F = Fume, P = Airborne Particulate.
(3) If available, attach laboratory results or summary tables.
(4) See the following sections for detailed control measures: personal protection equipment (PPE), Air Monitoring (Admin), or Site Control (Admin and Eng.).
(6) IP = Ionization Potential, VP = Vapor Pressure, LEL = Lower Explosive Limit, UEL = Upper Explosive Limit, N/A = Not Applicable, N.D. = Not Determined
(7) IDLH = Immediately Dangerous to Life and Health. NEVER enter IDLH conditions on site without proper respiratory protection.
(8) C = Ceiling Value, ST = Short-Term Exposure Limit, TWA = Time-Weighted Average, None Est. = None Established
(9) R = Respirable Limit, T = Total Limit
(10) Warning Properties: Good (G), Poor (P), None (N)

5. Hazard Evaluation (continued)

Site-Specific Physical Hazards

HAZARD	SPECIFIC CONTROL MEASURE

Risk Analysis (RA)

Mullins Rubber Products (Riverside, Ohio)

Other Common Physical Hazards

(modify as needed, but include with all project hazard assessments)

☒	PHYSICAL HAZARD	GENERAL CONTROL MEASURE
☒	Aboveground Storage Tanks (AST)	Be aware of any aboveground storage tanks and the type of material being stored in them. Be aware of the potential of spills, fires, explosions, etc., while working near the tanks. Stay clear of tanks whenever possible, and be aware of any equipment operators near the tank(s).
☒	Business Traffic	Be aware of traffic patterns associated with local businesses near the work site. Allow traffic to enter and exit the businesses in such a manner to avoid creating traffic hazards, back-ups, delays, or potential accident situations.
☒	Cement Dust	Stay clear of mixing operations and avoid contact with, or breathing of the dust.
☒	Cleaning Agents	Use caution when applying cleaning agent to equipment. Use gloves, safety glasses, splash shields, and protective clothing as needed.
☒	Client Activities	Be aware of client activities at or adjacent to the site. Work activities should be coordinated with other site activities to avoid conflicts.
☒	Cold Stress	Work schedules may be modified when temperatures are below 20° F as measured by the wind chill factor. Take frequent breaks to warm up. Drink plenty of fluids. Wear appropriate clothing, and monitor for cold stress symptoms (frostbite, hypothermia, etc.).
☒	Compressed Air or Gas Cylinders	Compressed air or gas cylinders should be clearly marked, and they should be stored, transported, and secured in an approved manner.
☒	Compressed Air/Gas or Pressurized Liquids Hoses, Lines & Fittings	Compressed air or gas, or pressurized liquid lines or hoses should be inspected at least daily, or in the event a leak develops, or if a line or hose is run over or crimped.
☒	Cutting Tools	Stay clear of contractors' cutting tools, especially saws and torches. Be aware that cutting operations could create other hazards, such as falling objects, or shifting materials, etc. Safety glasses should be worn while using cutting tools. Spark-proof tools should be used when working in areas of potential explosive or flammable conditions. Fixed-open blade knives are prohibited.
☒	Drums	If drums are used on-site, they should be clearly labeled with the name of the contents and the appropriate label. Drums should only be handled with the appropriate equipment. Drums discovered during excavations, etc., shall not be opened or moved until appropriate identification can be performed. At a minimum, Level B protection is required for sampling any unlabeled drums discovered during remediation procedures.
☒	Dust/Particulates (Particulates Not Otherwise Regulated) (PNOR) (OSHA PEL = 15 mg./m^3, total) (OSHA PEL = 5 mg./m^3, respirable)	For general dust, work should be performed up-wind if possible. If conditions warrant it, monitoring should be done with a PM-10. Monitoring should occur at least 3 times per day, and every time re-entering the site. Readings should be taken downwind from the work area or inside the equipment as indicated by the conditions on site. If the OSHA PEL is exceeded, or is likely to be exceeded, engineering or administrative controls should be used, or a dust respirator must be worn. For hazardous dusts, a detailed air monitoring plan and a respiratory protection plan should be developed for the site activities.
☒	Energized Sources (electrical equipment or hookups, lines, etc.,) (Lockout/Tagout)	Contractors for all electrical activities, and any facility equipment with moving parts should follow proper lock-out/tag-out procedures, and only properly trained employees will perform the work. Employees will not perform any lock-out/tag-out activities unless personnel are properly trained in lockout/tagout procedures. Heed any caution signs or labels.
☒	Equipment Exhaust	Equipment exhaust should be ventilated away from the work area while drilling inside structures. Industrial fans can be used to move exhaust out of the area.
☒	Ergonomic Issues (job hazard analysis)	Ergonomic hazards will be addressed on a site-specific basis once mobilization to the field has occurred. Workstations will be evaluated on an individual basis.

Risk Analysis (RA)

Mullins Rubber Products (Riverside, Ohio)

Other Common Physical Hazards

(modify as needed, but include with all project hazard assessments)

☒	PHYSICAL HAZARD	GENERAL CONTROL MEASURE
☒	Excavations	Stay clear of excavation walls. TRC personnel will not enter an excavation, in accordance with 1926 Sub Part P. Subcontractor must provide a Competent Person on site, if one is required by the planned activities. Side cuts should conform to 1926 Subpart P requirements, or shoring should be used. All open excavations should be secured using traffic cones, barrier tape, or barricade signs stating "Do Not Enter Excavations", especially if left open overnight.
☒	Facility Equipment/Machinery	Be aware of active and moving client equipment on site.
☒	Facility Piping - aboveground	Stay clear of aboveground pipes. Client is responsible to identify all applicable aboveground facility pipes prior to any work activities in the area. Pipes can be overhead hazards, or trip hazards. Pipes can be hazardous because of the material flowing through them, such as steam, natural gas, toxic chemicals, etc. Some pipes are also coated with hazardous material such as asbestos.
☒	Facility Piping - belowground	Client is responsible to identify all applicable underground facility pipe locations prior to any subsurface activities.
☒	Field Equipment	If field equipment is heavy or awkward to carry, get assistance or use carts to help move around the site.
☒	Field Vehicle	TRC personnel shall follow all applicable state and federal traffic laws while traveling to and from the site, and while working on the site. In particular, the following laws should be followed: speed limits, parking restrictions, use of wipers and lights during precipitation events, limiting cell phone use, etc. It is the responsibility of the driver to verify that all safety equipment on the vehicle is working properly before driving the vehicle. In particular, the following items should be checked: tire pressure, tire tread, windshield wipers, windshield washer, headlights, tail lights, brake lights, spare tire, fire extinguisher, first aid kit, etc.
☒	Fire Hazards	Eliminate sources of ignition in work areas that have ignitable materials. Provide an ABC fire extinguisher in close proximity to the support zone.
☒	Flying Debris/ Eye Injuries	Be aware of any flying debris on site and wear protective eyewear when necessary.
☒	Fork Lifts	Be aware of forklift patterns, and stay clear of those routes.
☒	Hand Tools	Use only the appropriate tool for the task at hand. Use the tool(s) as designed, described, and intended by the manufacturer.
☒	Heavy Equipment	Contractor is responsible for safe operation of equipment. All mobile heavy equipment must have a functioning backup alarm, and operators must comply with equipment manufacturer's instructions. Maintain proper distance and remain in line of sight of operator and out of reach of equipment. Isolate equipment swings, if possible. Make eye contact with the equipment operator before approaching the equipment. Understand and review hand signals, and wear orange safety vest, if necessary.
☒	Heavy Lifting	Use proper lifting procedures and equipment when handling heavy objects such as drums, manhole covers, tank covers, etc.
☒	High Pressure Gas Lines, etc.	Be aware of high pressure gas lines, and follow approved safety precautions when working with or around the lines.
☒	Housekeeping	All field vehicles, job trailers, and field offices will be properly cleaned and organized to prevent cluttered work and storage areas.

Risk Analysis (RA)

Mullins Rubber Products (Riverside, Ohio)

Other Common Physical Hazards

(modify as needed, but include with all project hazard assessments)

☒	PHYSICAL HAZARD	GENERAL CONTROL MEASURE
☒	Insects (ticks, bees, spiders, etc.)	Site workers with known allergies to insect bites should carry their own medication. In case of emergencies, inform fellow workers of any severe allergies. Use insect repellant as necessary, and as specifically allowed on site. If possible, wear long-sleeved shirts and pants. If appropriate, check for ticks at the end of each day. Have other appropriate first aid supplies handy for bites.
☒	Long Hours/Fatigue	Long work hours can lead to fatigue, and fatigue can lead to the physical inability to perform the work in a safe manner, or travel to or from, a work site in a safe manner. If long work hours are scheduled, or if the scheduled work takes longer than planned, field staff should determine if fatigue is, or will be, an issue. Field staff should evaluate whether they are able to complete the work in a safe manner, or whether they are able to travel in a safe manner. If fatigue is an issue, appropriate breaks should be planned or taken, including overnight stays when necessary.
☒	Material Handling	Move containers and heavy material only with the proper equipment, and secure them to prevent dropping, falling, or loss of control during transport. Stay clear of material handling operations, especially near slopes. Do not stand down the slope from equipment, supplies or materials being moved above on the slope, or being deployed onto the slope.
☒	Material Storage	Stored material may be a falling hazard, or a crush hazard. Do not stand adjacent to materials stacked up, such as pipes, geosynthetic rolls, etc., or in the area of deployment.
☒	Noise	Hearing protection must be worn when noise levels exceed 85 dBA in the work area. If you need to raise your voice to be heard at the work site, then hearing protection should be worn. Hearing protection will be worn near drill rigs.
☒	Overhead Hazards	Pay attention to overhead equipment, piping, and structures. A hardhat must be worn at all times when overhead hazards are present on site.
☒	Pedestrian Traffic (public, client, workers)	Be aware of pedestrian traffic patterns and, route traffic around the exclusion zone(s), as necessary, to avoid distractions and the potential for exposures or accidents. Use appropriate barricades and caution tape to mark work areas.
☒	Power Washing Equipment	Stay clear of the power washing nozzles and equipment.
☒	Sample Preservative Chemicals:	Wear safety glasses and nitrile gloves when adding preservative chemicals to sample bottles or vials. Have clean wash water nearby.
☒	Sharp Objects	Wear appropriate gloves when handling sharp objects, or use appropriate equipment to move objects.
☒	Slips, Trips, and Falls:	Maintain clear walkways for work areas.
☒	Steam Cleaning Equipment	Stay clear of the steam cleaning nozzles and equipment.
☒	Strong Nuisance Odors	Strong odors should be ventilated before entering a work area, or a respirator shall be worn as needed.
☒	Traffic (client, contractors, public, semi-trucks, forklifts, etc.)	Obey all posted speed limits. Park in designated areas only. Be aware of traffic patterns on site, and during access to the site. Use orange traffic cones and barrier warning tape, as needed, or if within 25 feet of the right-of-way. TRC personnel must wear orange safety vests when working in or near traffic areas. Class 2 traffic vests are required with traffic speeds 25 mph or higher. Class 3 traffic vests are required with traffic speeds 50 mph or higher.
☒	Trenching	TRC personnel will enter trenches in accordance with 1926 Sub Part P. Be aware that some trenching conditions may result in a confined space condition.
☒	Trip Hazards (wires, cords, hoses, debris, corn stubble, uneven surfaces, etc.)	Temporary wires, cords, hoses, etc., should be properly located, marked, and protected to help prevent tripping and disruption to work activities. Trip hazards are particularly a problem early in the morning, late in the day, or under other poor lighting conditions.

Other Common Physical Hazards

(modify as needed, but include with all project hazard assessments)

☒	PHYSICAL HAZARD	GENERAL CONTROL MEASURE
☒	Utilities – Overhead (electrical, telephone, cable TV, etc.)	A subcontractor, the client, or TRC will locate and identify all overhead utilities. The owner or client will be responsible for identifying all applicable overhead utilities, product lines, pipes, and aboveground tanks. A minimum clearance of 20 feet must be maintained between equipment and overhead utility lines.
☒	Utilities – Underground (electric, gas, telephone, water, storm sewer, sanitary sewer, cable TV, etc.)	A subcontractor, the client, or TRC will call Digger's Hotline to locate all underground utilities. The owner or client will be responsible for marking all applicable on-site underground utilities, product lines, pipes, and tanks.

Site-Specific Health and Safety Plan

Mullins Rubber Products (Riverside, Ohio)

1. General Information

Client Name:	Dinsmore & Shohl, LLP	Project #:	243854.0000.0000	Task #:
Project Name:	Mullins Rubber Products – SVE Pilot Test	Project Manager:	Brooks Bertl	
Prepared By:	David Kreeger	Date:	October 29, 2015	

Approved By:	(PM)	Approved By:	(Safety Network)
Brooks Bertl		Colin Daining	
Date: October 29, 2015		Date: October 29, 2015	

Proposed Date(s) of TRC Work: November 2015 – February 2016

ON-SITE PROJECT TEAM MEMBER	ON-SITE PROJECT RESPONSIBILITIES
David Kreeger, Andrew Davis	TRC Site Health and Safety Representative (Supervisor)
Brooks Bertl	Project Engineer
David Kreeger	Project Hydrogeologist
David Kreeger	Project Technical Coordinator
Andrew Davis	Project Scientist
Andrew Davis	Observation and Documentation
David Kreeger, Andrew Davis	O&M
David Kreeger, Andrew Davis	SVE Performance Sampling
David Kreeger, Andrew Davis	SVE Performance Monitoring
Kevin Kallini	Project Coordinator
Brooks Bertl	Technical Coordinator / Project Manager
Andrew Davis	Solid waste Sampling (soil cuttings)

Any required construction/demolition activities: ☐ No ☒ Yes If Yes, complete Section 2

2. Construction Tasks: work tasks to be performed by TRC staff or TRC subcontractors

Civil

- ☐ Sewer (utility)
- ☐ Water (utility)
- ☒ Electric (utility)
- ☐ Communications (utility)
- ☐ Siding
- ☐ Roofing
- ☐ Drywall
- ☐ Flooring
- ☐ Ceilings
- ☐ Casework
- ☐ Masonry
- ☐ Escalator
- ☐ Steel (erection)
- ☐ Pre-cast (erection)
- ☐ Concrete (erection)
- ☐ Re-bar
- ☐ Elevator
- ☐ Fireproofing
- ☐ Windows
- ☐ Landscaping
- ☐ Painting
- ☐ Insulation
- ☐ Doors
- ☐ Finish Concrete

Mechanical

- ☐ Insulation
- ☐ Millwright
- ☐ Fire Protection
- ☐ Boiler
- ☒ Industrial Ventilation (SVE vacuum pump)
- ☐ Steel Fabrication/Erection

Other

- ☒ Electrical
- ☒ Vapor System Plumbing

- ☒ Others SVE Recovery Well Installation
- ☒ Others SVE Monitoring Point Installation
- ☐ Others

Estimated Direct-Hire TRC Employees:

Home Office: ☐ Not Applicable ☐ Specify:

Craft Labor: ☐ Not Applicable ☐ Specify:

Craft	Quantity
Craft	Quantity

3. Applicable Safety Standards or Regulations:

☒ Federal OSHA ☐ State OSHA ☐ Owner/Client

Specific Standards:	29 CFR 1910 (OSHA)	29 CFR 1926 (Other Regulations)
☒ Medical Services and First Aid	1910.151	1926.50
☒ Hazard Communication (HAZCOM)	1910.1200	1926.59
☐ Lead Exposure	1910.1025	1926.62
☒ HAZWOPER	1910.120	1926.65
☒ Personal Protective Equipment (PPE)	1910.132-138	1926.95-107
☐ Respiratory Protection	1910.134	1926.103
☒ Ventilation	1910.94	1926.57
☒ Noise Exposure	1910.95	1926.52
☐ Illumination	N/A	1926.56
☐ Fire Protection	1910.157	1926.24 and 150-155
☐ Sanitation	1910.141	1926.51
☐ Materials Handling (rigging, etc.)	1910.176	1926.250-251
☐ Welding/Cutting	1910.251-255	1926.350-354
☒ Lockout/Tagout	1910.147	1926.417
☒ Electrical (flexible cords, etc.)	1910.305	1926.400-449
☐ Scaffolding	1910.28-29	1926.450-454
☐ Fall Protection (elevated work)	1910.23-29, 1910.66-68	1926.104-107; 500-503
☐ Ladders/Stairways	1910.25-27	1926.1050 and 1060
☐ Cranes, Derricks, Hoists, Elevators, etc.	1910.179-181	1926.550-555
☐ Aerial Lifts	1910.66-68	1926.556
☒ Earthmoving Equipment	N/A	1926.602
☐ Powered Industrial Trucks (forklifts)	1910.178	1926.602
☒ Excavations and Trenching	N/A	1926.650-652
☐ Concrete and Masonry	N/A	1926.700-706
☐ Steel Erection	N/A	1926.750-761
☐ Demolition	N/A	1926.850-860
☐ Asbestos	1910.1001	1926.1101
☐ Confined Space Entry	1910.146	1926.21
☐ Commercial Diving	1910.401-441	1926.1071-1092
☐ Compressed Gases	1910.101-105	N/A

☐ Ionizing Radiation	1910.1096	1926.53
☐ Benzene	1910.1028	1926.1128
☐ Cadmium	1910.1027	1926.1127
☒ Tools - Hand and Power	N/A	1926.300-307
☐ Blasting and Using Explosives	N/A	1926.900-914

4. Training Required

(* required for all "Type 3" sites; but minimum recommended)

Check "A" if training required for everyone, and check "T" if training required for specific task.

A	T	SUBJECT	REFERENCE	
			29 CFR 1910	**29 CFR 1926 or Other**
☒	☐	HAZWOPER 40 hour*	1910.120	1926.65
☒	☐	3-Day HAZWOPER Supervised On-Site*	1910.120	1926.65
☒	☐	8-Hour HAZWOPER Refresher*	1910.120	1926.65
☐	☐	8-Hour Supervisor HAZWOPER*	1910.120	1926.65
☒	☒	First Aid, CPR*	1910.151	1926.23,.50
☐	☐	Respiratory Protection	1910.134	1926.103
☐	☐	Confined Space ☐ Permit attached	1910.146	1926.21
☐	☐	Mine Safety (MSHA)	N/A	30 CFR 48.8
☐	☒	Lockout/Tagout ☐ Permit attached	1910.147	1926.417
☒	☐	Bloodborne Pathogens	1910.1030	N/A
☐	☒	Noise Exposure	1910.95	1926.52
☐	☐	Competent Person	N/A	1926.32,.450,.650
☐	☐	Construction Health and Safety OSHA 10-Hour	N/A	1926.21
☐	☐	Demolition	N/A	1926.850
☐	☐	Excavations ☐ Permit attached	N/A	1926.650-652
☐	☒	Electrical Work	1910.332	1926.400-.449
☐	☐	Ladders/Stairways	N/A	1926.1050-1060
☐	☐	Scaffolding	1910.28	1926.450-454
☐	☐	Fall Protection	1910.23-29; 1910.66-68	1926.104,.501
☐	☐	Commercial Diving	1910.410	1926.1071-1092
☐	☐	Hot Work ☐ Permit attached	1910.251-255	1926.350
☐	☐	Lead Awareness	1910.1025	1926.62
☐	☐	Asbestos Awareness	1910.1001	1926.1101
☐	☐	Cadmium	1910.1027	1926.1127
☐	☐	Benzene	1910.1028	1926.1128
☐	☐	Ionizing Radiation	1910.1096	1926.53; 10 CFR 19.12
☐	☐	Troxler or NITON Gauge User	1910.1096	10 CFR 19.12
☐	☐	Radiation Safety Program	1910.1096	10 CFR 20.1101
☐	☐	Hazard Communication (HAZCOM)	1910.1200	1926.59
☐	☐	DOT Hazardous Materials Shipping	1910.1201	49 CFR 172.704

Client-specific training: ☒ Not Applicable ☐ Specify

Site-specific orientation: ☒ Not Applicable ☐ Specify

Competent person: ☐ Not Applicable ☒ Electrical work to be performed by licensed electrician

Direct-hire employee training/certification: ☒ Not Applicable ☐ Specify

5. Medical Surveillance

Surveillance Required: * required for all "Type 3" sites; baseline is minimum recommended
** Specify frequency below

	29 CFR 1910	29 CFR 1926 or Other
☒ HAZWOPER Physical - Baseline*	1910.120	1926.65
☐ HAZWOPER Physical – Annual	1910.120	1926.65
☒ HAZWOPER Physical - Biennial*	1910.120	1926.65
☐ OSHA Respiratory Protection Questionnaire	1910.134	1926.103
☐ Respiratory Certification Exam	1910.134	1926.103
☐ Arsenic (urine) **	1910.1018	N/A
☐ Asbestos **	1910.1001	1926.1101
☐ Cadmium (blood) **	1910.1027	1926.1127
☐ Lead/ZPP (blood) **	1910.1025	1926.62
☐ Mercury (blood) **	N/A	N/A
☐ PCB **	N/A	N/A
☐ Vinyl Chloride **	1910.1017	1926.117
☐ Hepatitis B Vaccine (series) **	1910.1030	N/A
☐ Tetanus/Diphtheria	N/A	Stay Current
☐ Stress Test	N/A	Only as requested
☐ Visual Acuity Test	N/A	Only as requested
☐ Hearing Test (Audiometry)	N/A	Only as requested
☐ Pulmonary Function	N/A	Only as requested

Client-specific drug testing[1]: ☒ Not Applicable ☐ Specify

Client-specific medical monitoring[1]: ☒ Not Applicable ☐ Specify

Site-specific medical monitoring: ☒ Not Applicable ☐ Specify

**Frequency of medical monitoring: ☒ Not Applicable ☐ Specify

[1] Client required drug testing or medical monitoring should be coordinated through the Project Manager and the Human Resources Department.

Note: TRC has a "Drug and Alcohol-Free Workplace" policy (#TRC Academy Course #900013753). TRC may require employees or subcontractors to be tested upon reasonable suspicion, following accidents or incidents during work activities, or during travel to or from a project site. Client policies may be more strict in regard to procedures following an accident. Project managers must be aware of these and inform employees and subcontractors of any additional requirements.

6. Personal Protective Equipment (PPE)

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work tasks:

Specific TRC Job Task or Function	Minimum Level of Protection
TRC Site Visitors	☒ D
SVE System Installation	☒ D ☐ C ☐ B ☐ A
Level D: Safety glasses (ANSI); Safety shoes (ANSI); Ear plugs/muffs; Hard hat (ANSI); Nitrile gloves; Cut protective gloves, reflective vest	
SVE System Performance Monitoring	☒ D ☐ C ☐ B ☐ A
Level D: Safety glasses (ANSI); Safety shoes (ANSI); Ear plugs/muffs; Hard hat (ANSI); Nitrile gloves; reflective vest	

Criteria for changing protection levels are as follows:

EVACUATION[2] or PROTECTION LEVEL CHANGE(3) CRITERIA	APPROVALS REQUIRED [1]		
	OSC	CSCM	NSD
Site Evacuation Plan: ☒ Not Applicable ☐ Specify or Attach Plan:			
Change to Level D when: ☒ Not Applicable ☐	☒		
Change to Level C when: ☒ Not Applicable ☐ ☒ If during recovery well / monitoring point installation, PID readings in breathing zone exceed PEL	☒	☒	☒
Change to Level B when: ☒ Not Applicable ☐ Specify	☒	☒	☒
Change to Level A when: ☒ Not Applicable ☐ Specify	☒	☒	☒

(1) OSC: Office Safety Coordinator
CSCM: Corporate Safety Compliance Manager
NSD: National Safety Director

(2) General Recommendations: Evacuate the area when LEL readings are >10% LEL in the atmosphere, or when PID readings are greater than the PEL in the breathing zone.

(3) General Recommendation: To Level C when PID readings are greater than the PEL in the breathing zone. To Level B or A only after detailed evaluation and planning.

Note: Changes to the level of protection shall be made only after the required approvals are obtained. All changes shall be recorded in the field log and reported to the Project Manager as soon as possible. TRC's goal is to avoid using respiratory protection unless it is absolutely necessary or required. Administrative controls or engineering controls should always be considered as a means to reduce potential exposures, before PPE is required or considered.

7. Air Monitoring[(1)]

The following monitoring instruments shall be used on site to measure airborne contaminant concentrations in either the breathing zone, or as part of the overall site **Air Monitoring Plan** (attach detailed plan):

MONITORING EQUIPMENT	LOCATION OF MONITORING	FREQUENCY OF MONITORING	ACTION LEVELS
☐ Combustible Gas Indicator	☐ N/A ☐ Monitoring Plan Attached ☐ Confined Space ☐ Manhole	☐ Continuously when potential combustible gases or lack of oxygen are suspected. ☐ Specify	5-10% LEL: continue with caution > 10 % LEL: evacuate the area ☐ Specify
☐ O2 Monitor ☐ CO Monitor ☐ H_2S Monitor	☐ N/A ☐ Confined Space ☒ Manhole – monitor oxygen, carbon monoxide, hydrogen sulfide , and lower explosive limit	☐ Continuously when excess oxygen (>22.5%) or lack of oxygen (<19.5%) are suspected. ☒ Test atmosphere prior to entry and continuous during confined space entry.	< 19.5% Oxygen: evacuate the area; supplied air may be needed. > 22.5% Oxygen: evacuate the area; potential fire hazard. ☐ Specify
☐ Colorimetric Tubes Type: Type: Type:	☒ N/A ☐ Specify ☐ Sample Container ☐ Confined Space ☐ Specify	☐ Periodically during sampling for analytical purposes only. ☐ Whenever noticeable odor is present. ☐ Specify	☐ Specify
☒ PID Lamp Needed: ☐ 9.8 eV ☐ 10.6 eV ☒ 11.7 eV Calibration Gas: Isobutylene Correction Factor:	☒ N/A ☐ Sample Container ☐ Confined Space ☐ Specify	☒ Monitor breathing zone during recovery well and monitoring point installation. ☐ Specify ☐ Specify ☐ Specify	☒ Sustained levels >10 ppm in breathing zone, stop work, contact PM & HSC
☐ FID	☒ N/A ☐ Specify	☐ Specify	☐ Specify
☐ Mini-RAM	☒ N/A ☐ Specify	☐ Specify	☐ Specify
☐ Other:	☐ Specify	☐ Specify	☐ Specify
☐ Laboratory Supported ☐ Personal ☐ Area ☐ Perimeter	☒ N/A ☐ Specify	☐ Specify	☐ Specify

(1) Whenever air monitoring is required to be performed, a detailed **Air-Monitoring Plan** should be developed and attached to the HASP. The plan should include **Monitoring Locations, Frequency of Readings**, and any **Action Levels** being used to control the work site.

8. Site Controls and Work Zones (describe in detail)

Facility Alarms or Signals: ☐ Not Applicable ☒ Facility Fire Alarm

Work Permits Required: ☒ Not Applicable ☐ Specify

Work Traffic Issues: ☐ Not Applicable ☒ Remain aware of vehicle and personnel traffic in work areas

Parking Issues: ☐ Not Applicable ☒ Utilize pull-through parking and/or back into parking spaces, where possible and permissible

Railway Traffic Issues: ☒ Not Applicable ☐ Specify

Support Zone(s):

☒ TRC field vehicle ☐ Job Trailer On Site ☐ Other:

Contamination Reduction Zone(s):

☒ Field vehicle ☐ Facility restroom/utility room ☐ Other:

Exclusion Zone(s):

☒ Area immediately surrounding work area ☐ Other:

Site Entry Procedures:

☒ **Notify Site Safety Contact Representative.**

☒ **Read HASP Plan and sign Acknowledgment Statement.**

☒ Check in with the facility contact person. ☐ Specify

☐ Check in with facility security guard. ☐ Specify

☒ **Wear proper personal protective equipment.**

☐ Attend facility orientation. ☐ Specify

☒ **Conduct daily safety meeting (document).**

☐ Other:

Decontamination Procedures:

Personnel: (specify)	Work will be performed in Level D or Modified Level D, and minimal contamination is expected. Follow standard decontamination procedures, and good personal hygiene. Disposable PPE should be removed, contained, and disposed in an appropriate manner. Prior arrangements should be made if disposal is planned for at the project site. Site workers should plan and stage for wash water and soap at the site, prior to beginning the work. Site workers should wash hands and any exposed skin extremely well with soap and water, prior to leaving the contamination reduction zone, eating, drinking, driving, or leaving the site. Any soiled or contaminated clothing should be removed and handled appropriately, by either washing as soon as possible, or if necessary, disposing. Soiled or contaminated clothing should be carefully bagged prior to disposal or washing, to reduce potential exposure.
Equipment: (specify)	Site workers should plan and stage for the appropriate decontamination method at the site, prior to beginning the work. Any contaminated single-use disposable equipment or PPE should be appropriately containerized and disposed as soon as possible in an appropriate manner. Prior arrangements should be made if disposal is planned for at the project site. Contaminated equipment or PPE that will be re-used should be handled and cleaned while wearing the appropriate PPE. Typically, equipment is decontaminated using Alconox soap and de-ionized water.

Disposal of Investigation-derived Material:

☒ Leave on site for disposal.

☒ Other: Soil cuttings to be staged in 55-gallon DOT drums or lined roll-off boxes for subsequent characterization and offsite disposal

Work Limitations (time of day, buddy system, etc.):

☐ Buddy system required for some tasks. Specify –.

☒ Work will be performed during daylight hours only.

☐ Work will be performed using artificial light.

Describe or attach a lighting plan: A lighting plan is attached.

☒ No eating, drinking, or smoking in contamination reduction zone(s) or exclusion zone(s).

☒ When temperatures are either above 80°F or below 20°F, work schedules may be modified.

☐ Other site-specific limitations:

Radiation Safety:

- ☒ Radiation information is not applicable to this project.
- ☐ Notify RSO.
- ☐ Wear dosimeter badge when handling gauge.
- ☐ Post applicable radiation signs and documents.
- ☐ Post emergency numbers.
- ☐ Provide at least two lock systems for overnight storage.
- ☐ Maintain storage at least 15 feet from full-time workstations.
- ☐ Block, brace, and securely lock the gauge during "all" transportation.
- ☐ Limit "public" exposure to gauge while in use.
- ☐ Provide sketch of gauge storage to RSO.

Site-Specific Health and Safety Plan

Mullins Rubber Products (Riverside, Ohio)

Acknowledgment Statement:

As an employee of TRC, I have reviewed the Hazard Assessment (HA)/Health & Safety Plan (HASP). I hereby acknowledge that I have received the **required level of training and medical surveillance as necessary**, that I am knowledgeable about the contents of this site-specific RA/HSP, and that I will use personal protective equipment (PPE) and follow procedures specified in the HASP.

Signatures of TRC Site Personnel:

_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____
_____	Date:	_____

Health and Safety Field Audit Documentation:

If this project has been selected as a field audit candidate, the auditor will review a copy of this RA/HASP and make comments, edits, additions, or deletions on the copy. The audit copy of this document will then be forwarded to the National Safety Director for review. After review, a copy will be forwarded to the Project Manager for review and filing.

_____ (auditor) Date: _____

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

Location/Project Name:	Mullins Rubber Products (Riverside, Ohio) – SVE Treatment System Pilot Test	**Date:**	
Observer Name:			
Observee Name:		**Time:**	

Task Observed
Description of Task Observed and Background Information
Positive Comments

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

Conclusions / Why the Questionable Items Occurred?

Feedback Session Conducted By: _____ **Date:** _____

Name of Observee's Supervisor: _____ **Time:** _____

At-Risk Observations/Root Cause Analysis

Personal Factor:
(1) Lack of skill or knowledge
(2) Correct way takes more time/requires more effort
(3) Shortcutting standard procedures is rewarded or appreciated
(4) In past, did not follow procedures or acceptable practices and no incident occurred

Job Factor:
(5) Lack of or inadequate operational procedures or work standards
(6) Inadequate communication of expectations or work standards
(7) Inadequate tools or equipment

At-Risk Observation #	Root Cause Analysis #	Solution(s) To Prevent Potential Incident from Occurring	Person Responsible	Agreed Due Date	Date Completed

Results of Verification (were solutions done?) and Validation (were solutions effective?)

Reviewed by (PM/Supervisor): _____ **Date:** _____

Approved by (Practice Safety Leader): _____ **Date:** _____

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

PERSONAL PROTECTIVE EQUIPMENT	Safe	At-Risk	Comments
1. Hearing Protection (e.g., Ear Plugs)			
2. Head Protection (e.g., Hard Hat)			
3. ANSI Rated Eye Protection (e.g., Safety Glasses)			
4. Hand Protection (e.g., Kevlar Gloves)			
5. Foot Protection (e.g., Safety Shoes)			
6. Respiratory Protection			
7. Fall Protection Inspected (e.g., Harness)			
8. ANSI Rated Reflective Vest/High Visibility Clothing			
9. Other (Specify)			
BODY USE AND POSITIONING	**Safe**	**At-Risk**	**Comments**
10. Correct Body Use and Positioning When Lifting/Pushing/Pulling			
11. Pinch Points/Moving Equipment - Hands/Body Clear			
12. Mounts/Dismounts Using 3-Points of Contact			
13. Other (Specify)			

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

WORK ENVIRONMENT	Safe	At-Risk	Comments
14. Work/Walk Surface Free of Obstructions (e.g., Tripping Hazards)			
15. Housekeeping/Storage			
16. Defined and Secured (e.g., warning devices, barricades, cones, flags)			
17. Suspended Load, Swing Radius & Lift Area is Barricaded			
18. Safety Shutdown Devices			
19. Proper Storage & Labeling /Disposal of Sample & Waste Materials			
20. Cylinders Stored Upright, Secured, & Caps in Place			
21. Manhole/vault Inspected for Hazards			
22. Other (Specify)			

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

OPERATING PROCEDURES	Safe	At-Risk	Comments
23. Job Planning (HASP reviewed, JSAs, etc.)			
24. Fire Extinguishers Accessible and Inspections Current			
25. Work Permit/Authorization to Work (Hot, Cold, LOTO, Confined Space)			
26. JSA Reviewed & Followed			
27. Hazard Assessment - Hazard Hunt			
28. Interfaces with Other Functions (awareness with other personnel on site)			
29. Operators Looking Behind Prior to Backing Up			
30. Operators Wearing Seat Belts While Operating Equipment			
31. Subsurface Structures Identified			
32. Proper Trench Protective Equipment in Place			
33. Adequate Egress Is Available for Excavation & Trench (within 25 ft. if depth is <4 ft.)			
34. All Materials Set Back at Least 2 Feet From Edge of Trench/Excavation			
35. Other (Specify)			

TRC SAFETY OBSERVATION FORM

Mullins Rubber Products (Riverside, Ohio)

TOOLS/EQUIPMENT	Safe	At-Risk	Comments
36. Hand Tools (Proper Equipment Selection, Condition, and Use)			
37. Power Tools (Proper Equipment Selection, Condition, and Use)			
38. Equipment, Including Heavy (Proper Equipment Selection, Condition, and Use)			
39. Hoses Inspected			
40. Required Monitoring Equipment Calibrated & Used			
41. Ladders Set up Correctly & Inspected			
42. Right Tools for the Job are Available and in Good Condition - No Fixed Open Blade Knives (FOBKs)			
43. Other (Specify)			
Total #	0	0	

Daily Safety Meeting Sign-in

Daily Hazard Review Topic:

- ☐ Noise Exposure
- ☐ Slips, trips, falls
- ☐ Lockout / Tagout during electrical installation tasks

Acknowledgment Statement:

As an affected employee of TRC, Inc., I hereby acknowledge that I have reviewed the contents of this site-specific HSP and the **daily safety meeting topic**, and that I will use the applicable personal protective equipment (PPE) and follow the procedures specified in the HASP.

Signatures of all onsite TRC Personnel, including Direct-Hires (Required):

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

Appendix A

Health and Safety
Direct Reading Instrument Log

Operator: _____ **Date:** _____

Active Operation: **Recovery Well Installation / Monitoring Point Installation**

_____

Weather: _____

Instrument: _____ **Miniram:** **NA** **Other:** _____

TIME	LOCATION	DURATION	PID	RAM	CO	H_2S	HCN	LEL	02	COMMENTS
	Work Area Breathing Zone			NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	

Operator: _____ **RSO:** _____

EARLY INCIDENT INTERVENTION®

Immediate Access to Medical Advice for Work Related Incidents

(888) 449-7787

INTRODUCTION

WorkCare, Inc. (WorkCare) and TRC have partnered together to promote Incident Intervention®, a resource designed to support company safety goals/targets—while reducing runaway-costs associated with workplace injuries and illnesses.

PURPOSE

Early Incident Intervention provides TRC employees with **IMMEDIATE** telephonic access to WorkCare clinicians at the time of a presumed, non-emergency workplace injury or illness. Clinicians provide expert guidance on the evaluation of symptoms, appropriate first aid, and the need for additional medical evaluation or treatment.

When utilizing this service within the first hour of an incident, known as the "Golden Hour," licensed medical staff can guide the case so that medical evaluation and treatment are rendered appropriately.

> ***"…helps the worker traverse the unpredictable terrain of work-related injuries and illness."***

PRINCIPLES OF EARLY INCIDENT INTERVENTION

- Utilizes principles of the "Golden Hour."
- Provides workers immediate clinician support at the time of an incident.
- Focuses on providing the right care, at the right time in the proper setting.

BENEFITS FOR EMPLOYEES

- Instant access to a medically qualified professional for evaluation of symptoms and possible outcomes.
- Professional guidance on appropriate first aid measures and medications.
- Professional advice regarding the need for additional medical evaluation or treatment.

BENEFITS FOR TRC

- Point of contact for emergency and non-emergency medical clinicians.
- Triages the incident to determine risk and urgency, delivering interventions that are consistent with medical guidelines for the specified injury and illness.
- Maintains communication with clinicians to ensure accurate and timely reporting.