|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location:** |  | **Date:** |  | **Time:** |  |
| **WP# (Type):** |  | **FM:** |  | **Phone:** |  |

|  |  |  |
| --- | --- | --- |
| **H&R Required:** | **Yes**  **No**  **N/A** | **Person Contacted:** |
| **RADCON Required:** | **Yes  No  N/A** | **Person Contacted:** |
| **EC&P Required:** | **Yes  No  N/A** | **Person Contacted:** |

**Type of recovery hardware used (check all that apply):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Winch System | Tow Rope | Pull Cable | Nylon Sling | Pushing | Other: |

**Total Length recovery hardware: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Standoff Distance: (Minimum 2 times length of recovery hardware): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Type of attachment Point (Check all that apply):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hook | Equipment Pin | Shackle/pin | Sling | Manufactured point | Other: |

**Type of equipment used for recovery:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Dozer | Excavator | Loader | Farm Tractor | All terrain Forklift | Other: |

**Evaluation of ground conditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| Blacktop/Concrete | Lawn/Grass | Gravel/Stone | Shallow Mud |
| Wheel Deep Clay/Sand/Muck | Body Deep Clay/Sand/Muck | Other: | |

|  |  |
| --- | --- |
| **Type of Communication:** | Radio  Hand Signals  Verbal |
| **Vehicle Construction Equipment Spotter (VCES) Required** | Yes  No |

**Minimum Capacity Required (MCR) (MCR=W+ARR+AGR)**

1. Weight (W) of equipment (include fluids, implements, screens, cargo): (W): \_\_\_\_\_\_\_\_\_\_\_\_\_
2. Additional Rolling Resistance(ARR): (ARR): \_\_\_\_\_\_\_\_\_\_\_\_\_

**Graphical user interface

Description automatically generated**

***Note: Additional Rolling Resistance multipliers assume the wheels are level with each other.***

1. Additional Gradient Resistance(AGR) (NOTE: use zero if no slope): (AGR): \_\_\_\_\_\_\_\_\_\_\_\_

**Diagram

Description automatically generated**

1. Plus       Plus       Equals

|  |
| --- |
| **WARNING – If Recovery Equipment or Attachment Points is less than Minimum Capacity Required (MCR), DO NOT USE!!! CONTACT SUPERVISOR** |

(W) (ARR) (AGR) (MCR)

Capacity of recovery equipment (≥MCR): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Capacity of attachment point: (≥MCR): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Description of recovery method: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Recovery Plan Approvals:**

***Subject Matter Expert:*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Print Name Signature Badge No.***

***Maintenance Supervisor:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Print Name Signature Badge No.***

***Facility Manager:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Print Name Signature Badge No.***

***NOTE: This recovery plan does not take the place of proper work control***

**© 2023. Developed by UCOR (United Clean Up Oakridge) in collaboration with the** [**NORA Construction Sector Council**](https://www.cdc.gov/nora/councils/const/default.html) **Struck-by Work Group. For additional resources related to working safely with and around heavy equipment, visit** [**https://cpwr.com/struck-by-hazards**](https://cpwr.com/struck-by-hazards)**.**