

CONFINED SPACE ENTRY PERMIT WRITTEN RESCUE PLAN

Project Name: Dan River Coal Ash

Date: 2-10-2014

Location: Eden, NC

Division: _____

Section 1: General Information

EMERGENCY NUMBER: 911 [Eden Rescue Squad 336-634-3001] ☐ Plant Number ☐ Outside Number

Special Instructions to Dispatcher/ Operator/ Guard: Rescue team leader shall have someone meet rescue squad at gate and direct to the work area

Emergency/ Support Equipment:

<input checked="" type="checkbox"/> First Aid Kit	<input checked="" type="checkbox"/> Tripod System	<input checked="" type="checkbox"/> Stretcher System	<input checked="" type="checkbox"/> Two-Way Radios
<input checked="" type="checkbox"/> BBP Kit	<input checked="" type="checkbox"/> Retrieval Device – 3wy	<input type="checkbox"/> Fire Blanket	<input checked="" type="checkbox"/> Air Horn
<input type="checkbox"/> Burn Kit	<input type="checkbox"/> Man-Rated Winch	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Decontamination Setup
<input type="checkbox"/> Portable Eyewash	<input type="checkbox"/> Rope Ladder	<input checked="" type="checkbox"/> Ropes/ Pulleys	<input checked="" type="checkbox"/> Monitoring Equipment
<input type="checkbox"/> Drench Shower	<input checked="" type="checkbox"/> Full Body Harness	<input checked="" type="checkbox"/> Ventilation System	<input checked="" type="checkbox"/> Barricades/ Tapes
<input type="checkbox"/> Eyewash/ Shower	<input checked="" type="checkbox"/> Lifeline	<input checked="" type="checkbox"/> SCBA/ SAR	<input checked="" type="checkbox"/> PPE
<input checked="" type="checkbox"/> Other: Generator, additional supplies			

Section 2: Rescue Services

☒ Internal Rescue Services

Is there adequate equipment and personnel on hand?

☒ Yes ☐ No

Are personnel trained in CSE and CSE rescue?

☒ Yes ☐ No

Designated Rescue Personnel: Pete Hall, Willie Harrington, Brian Renshaw

☒ External Rescue Services

☐ Contracted _____

☐ In-Plant

☒ Municipal/ Fire Department

Is there adequate equipment and personnel available?

☒ Yes ☐ No

Is the response time adequate?

☒ Yes ☐ No

Are personnel trained in CSE and CSE rescue?

☒ Yes ☐ No

Has the rescue team conduct a site walkthrough?

☐ Yes ☒ No

If not, why? Contact made, access invitation has been granted. Public service is familiar with site conditions.

Section 3: Rescue Plan

Rescue Plan (Brief description of rescue plan, involved personnel, sequence, and any additional information)

☒ Entry Rescue ☐ Non-Entry Rescue (describe plan) Prior to entry, the rescue team leader shall ensure that appropriate preventive measures are in place (pipe integrity, excavation slope back, proper installation of trench boxes, properly completed scaffold systems, etc.) and shall make contact with local fire department (rescue team)/emergency medical resources (Eden Rescue Jason Wood 336.634.3001) that may be needed as backup. Rescue team shall have authority to stop work in the confined space due to recognized safety concerns in and near the space being entered.

Entry team shall be briefed on all entry conditions and preparations and this plan. Entering contractor shall address all routine permitting and training requirements associated with the work and coordinate closely with the rescue team.

Atmosphere shall be monitored for O2, LEL, CO, H2S prior to entry and confined space entry permit completed. Ventilation shall be applied as needed to maintain safe atmospheric conditions. Monitoring shall be repeated periodically thereafter and at the beginning of any break in work of more than 20 minutes. Trench box shall be provided with a properly installed scaffolding system over the end of the trench box near the point of entry. Maximum entry into the pipe shall be 6 feet and in view of the attendant.

Rescue preparation includes establishment of a dead man or other anchor point outside the (trench box) space, availability of tripod/mechanical retrieval device, stokes basket or other stretcher for packaging a victim and a multiple pulley system to gain mechanical advantage for lifting of the victim from the trench box as needed (ladders will be provided for routine ingress/egress). The attendant/hole watch shall observe and monitor the ongoing work and alert the rescue team by air horn and/or 2-way radio. Rescue access more than 10 ft. into pipe shall be done with airline system. Entrants entering the space shall wear harness with attached lifeline.

Rescue plan (First alternate): Entrants entering the space shall wear harness with lifeline attached to mechanical retrieval device. Entrant and surrounding work area shall be observed by attendant while work is conducted. On first sign of hazard or other trouble alert shall be sounded by attendant and the worker shall immediately exit the space using the ladder access. If a potential injury or cave-in has occurred, 911 and the Eden Rescue team shall be called immediately on awareness of the incident so that additional resources can be summoned as needed.

Rescue plan (Second alternate): Entrants entering the space shall wear harness with lifeline attached to mechanical retrieval device. Entrant and surrounding work area shall be observed by attendant while work is conducted. On first sign of hazard or other trouble alert shall be sounded by attendant and the tripod/mechanical retrieval device used to extract the worker from the space if self-rescue is not practicable. If a potential injury or cave-in has occurred, 911 and the Eden Rescue team shall be called immediately on awareness of the incident so that additional resources can be summoned as needed.

Rescue plan (Third alternate): Entrants entering the space shall wear harness with lifeline attached to mechanical retrieval device. Entrant and surrounding work area shall be observed by attendant while work is conducted. On first sign of hazard or other trouble alert shall be sounded by attendant and the use of tripod/mechanical retrieval device cannot be used to extract the worker (i.e. entangled lifeline or incapacitation). Rescue Team will deploy a rescuer to assist any victim(s) if it can be done safely. If feasible, the second alternate above (use of tripod-extraction device) will be used to remove victim(s) from the space. If a potential injury or cave-in has occurred, 911 and the Eden Rescue team shall be called immediately on awareness of the incident so that additional resources can be summoned as needed.

Rescue plan (Fourth alternate): Entrants entering the space shall wear harness with lifeline attached to mechanical retrieval device. Entrant and surrounding work area shall be observed by attendant while work is conducted. On first sign of hazard or other trouble alert shall be sounded by attendant and alternates 1, 2 or 3 above shall be attempted unless these alternatives are deemed inappropriate to the conditions at time of rescue. In this event, 911 and the Eden Rescue team shall be called immediately and the on-site Rescue Team will deploy a rescuer to assist any victim(s) if it can be done safely. If feasible, the second alternate above (use of tripod-extraction device) will be used to remove victim(s) from the space. If the victim(s) cannot be removed using this method, the victim will be paged into a stokes basket or other stretcher and with appropriate rigging systems shall be removed from the space by pulling the victim up the unobstructed side of the trench box. If a potential injury or cave-in has occurred, 911 and the Eden Rescue team shall be called immediately on awareness of the incident so that additional resources can be summoned as needed.

Prepared by:

Jim Hollingsworth Health & Safety Director
Name and Title

Signature

Approved by:

Name Printed: Rescue Team Leader/Supervisor

Signature