	Big Ox Energy - Riceville, LLC Safety Management System		RIC.SAFE.POL.140-011. GroundDisturbance	
			Initial Issue Date	03/02/2017
GROUND DISTURBANCE			Revision Date:	
			Next Revision Date:	03/02/2018
Preparation: Safety Manager	Authority: President	Issuing Dept: Safety	Page:	Page 1 of 2

Purpose:

The purpose of this written program addresses and establishes procedures for the control of Ground Disturbance on all Big Ox Energy - Riceville LLC locations, as well as any associates, customers, private, and public properties where Big Ox Energy - Riceville LLC personnel and/or equipment are operating or located. Ground Disturbance includes any type of excavation and trenching activities. These procedures shall be implemented and enforced at all locations and facilities when and where excavation and trenching activities are performed under our control.

Scope

Contact the appropriate state hotline before digging so utilities can be marked. The number 811 is the designated call before you dig phone number that directly connects you to your local one call center. Each state has different rules and regulations governing digging, some stricter than others. Below, please find state-specific information as well as links to submit an online digging request where available.


UNITED STATES

Iowa

Iowa 811
811 or 1 (800) 292-8989
<http://www.iowaonecall.com/>
[Contractors Web Ticket Entry](#)

It shall be Big Ox Energy - Riceville LLC's policy to follow all safe procedures for Ground Disturbance work. In the event where the stability of a structure may be affected by an excavation or trench, the structure is to be supported by a temporary protective structure design by a professional engineer and constructed, installed, used and maintained and dismantled in accordance with that design. All equipment, spoil piles, rocks and construction materials are kept at least one meter from the edge of an excavation or trench. When excavating, the slope of a spoil pile adjacent to an excavation or trench has a slope at an angle not steeper than one horizontal to one vertical, or 45 degree measured from the horizontal. The Field Foreman or Supervisor shall ensure that the worker is protected from cave-ins or sliding materials. Refer to the Trenching standard or appropriate Trenching Excavation Competent Person for further information.

Where an operation is to be undertaken involving the disturbance of soil within 600 millimeters (23.0 inches) of an existing pipeline, cable or conduit, ensure that the pipeline, cable or conduit is exposed by hand digging or other approved method before mechanical excavating is allowed to begin within that area. In the event of contact with or damage to an underground pipeline, cable or conduit, Field staff shall immediately notify the owner of the pipeline, cable or conduit and take steps to protect the health and safety of any worker who may be at risk until repaired or corrected. Where sloping of an excavation or trench will not be possible or will not be sufficient, a

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temporary protective structure will be installed. The protective structure will provide adequate protection to the worker who may be working in the excavation or trench, and to the worker who installs, maintains, uses or dismantles the temporary protective structure. (See Trench and Excavation Procedure).

BACKFILLING

Notify the facility owner with at least 24 hours notice before backfilling so the owner can have a representative inspect the facility for damage before covering.

DOCUMENTATION

Ensuring that all required documentation has been completed and desired reports are signed and placed into the required Project or Quality Control Manual and retained on record.

TRAINING

Employees who might be exposed to Trench, Excavation, Confined Space or Fall hazards shall be thoroughly trained in those topics before the project or anticipated action. Training will be refreshed at regular intervals and after any regulatory changes,

- Training documentation is maintained by the Safety Department and may be made available for inspection.

OTHER REQUIREMENTS

Insubordination in regards to this standard will be dealt with as per Big Ox Energy - Riceville LLC's Disciplinary Program.