

EXCAVATION NEAR PIPELINES/BURIED FACILITIES

No excavation, including hand digging, is permitted on TEC pipeline rights-of-way without prior approval from TEC. TEC personnel must be notified and may be present during any construction or excavation activities on or around its facilities or rights-of-way. Excavation on TEC's right-of-way is strictly forbidden without prior notification.

Only hand excavation, air cutting, vacuum excavation, or potholing techniques are permitted within 24 inches of the pipe's outer edge (on all sides).

CROSSING PIPELINES WITH HEAVY EQUIPMENT

To adequately protect its pipelines from potential damage, TEC may require heavy equipment operators to install mats, steel plates, dirt pads or other approved protective materials before any heavy equipment can begin crossing the right-of-way or during the course of such crossing activity. All proposed road crossings of buried facilities must be evaluated by TEC. Any overburden or materials installed for crossing the pipeline must be removed after construction, unless otherwise directed by TEC.

BLASTING PLANS MUST BE APPROVED

Any blasting proposed within 300 feet of TEC's facilities must be submitted to TEC in advance, along with a blasting plan outlining such proposed activity. No blasting may begin unless and until TEC provides prior written confirmation that it does not object to such blasting. Any modifications to the blasting plan must also be submitted to TEC for approval and should not be implemented unless and until TEC provides prior written confirmation that it does not object to such modifications. The blasting contractor may be required to monitor and record seismic shock at the facilities. Pipeline facilities must be protected from excessive ground vibrations.

ALLOW ADEQUATE CLEARANCE FOR DIRECTIONAL DRILLING

Any directional drilling or boring proposed under TEC's buried facilities must be submitted to TEC for review and approval. A minimum of 24 inches of vertical clearance must be maintained from TEC's facilities, and additional excavations may be required to ensure adequate clearance. As-built plans for construction are required for all borings.

MAINTAIN UP TO 300-FOOT CLEAR AREA AROUND STORAGE WELLHEADS

Property owners or developers must notify TEC of any proposed construction or excavation within 300 feet in any direction of a natural gas storage well. For safety, TEC reserves the right to object to any such proposed activities or placement of object closer than 300 feet to a storage well.

**FOR MORE INFORMATION CONTACT
ENERGY COOPERATIVE AT:
1-800-255-6815 OR EMAIL AT
ROW@THEENERGYCOOP.COM,
OR VISIT US AT
WWW.MYENERGYCOOP.COM**

If you expose, hit or touch a pipeline while digging, no matter how insignificant it may appear, please contact our emergency control center immediately by calling:

1-800-255-6815

If you discover gas leaking, immediately contact 911, your local fire department and Energy Cooperative.



Note: "Minimum Guidelines For Construction Near Pipeline Facilities" addresses the most common issues concerning land use on/near TEC rights-of-way. In rare cases, TEC may determine that adherence to a specific provision of the Minimum Guidelines/Right-of-Way Use Procedure is not feasible for a particular project. In such instances, TEC may, at its sole discretion, elect to modify specific requirements for that project. Said modifications shall be made by appropriate TEC personnel.

These guidelines supersede any and all prior guidelines pertaining to activities and placements on or near gas transmission facilities owned by a TEC company. Existence of or the ramifications from, the implementation of prior guidelines will not dictate, direct, or provide for exemption of any of the above guide lines.

In the event that the provisions of an applicable land rights document conflicts with the requirements set forth herein, the land rights document shall control.

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MINIMUM GUIDELINES

FOR CONSTRUCTION
NEAR PIPELINE
FACILITIES



ENERGY COOPERATIVE PIPELINES

This document provides for the design and construction of facilities on rights-of-way owned and/or operated by Energy Cooperative (TEC) companies, including NGO Transmission, Inc., National Gas & Oil Cooperative, and NGO Development Corporation, Inc. These guidelines are intended for individuals whose proposed construction activities will impact TEC's rights-of-way. TEC's primary concern is public safety and to help ensure the continuous safe flow of the nation's energy supplies. For complete details and requirements for the design and construction of facilities on TEC's rights-of-way please call 1-800-255-6815.

CONSULT ENERGY COOPERATIVE EARLY IN YOUR PLANNING

Energy Cooperative (TEC) must review and approve all plans for proposed construction impacting a TEC right-of-way. To expedite construction or excavation, submit your plans to TEC for review in the design phase of the project before applying for permits or committing to construction. TEC requires a minimum of 45 days to review design plans.

CALL ENERGY COOPERATIVE AND 811 BEFORE CONSTRUCTION BEGINS

No construction or excavation activities of any kind shall be performed on or near Energy Cooperative's (TEC) rights-of-way, including crossing with heavy equipment, or blasting on or near the right-of-way before TEC personnel have established the exact location and elevation of all affected facilities and the limits of the right-of-way. Start your project by calling 811 "Before You Dig". (www.OHIO811.org). Request that both the location and approximate depth of the pipeline be determined.

CONSTRUCTION REQUIREMENTS WITHIN ENERGY COOPERATIVE'S RIGHTS-OF-WAY

Energy Cooperative (TEC) rights-of-way generally extend 25 to 50 feet on each side of the center line of the pipeline and include all areas between multiple pipelines, unless otherwise defined in the applicable land rights document.

TEC may allow certain property improvements within its rights-of-way. However, TEC will not assume responsibility, financial or otherwise, for any such improvements directly or indirectly damaged as a result of the operation and maintenance of its facilities. Upon review of individual plans and property rights, TEC may identify additional restrictions on or requirements for the following items listed:

1. The existing cover over pipelines and rights-of-way shall not be modified without TEC's written permission. The minimum earth cover over pipe lines, at the time of installation under normal conditions, shall be 36 inches and no greater than 5 feet. Variance of the existing depth of cover is not permitted without TEC's written permission. TEC will perform external load evaluations as necessary. Protective measures may be required before construction activity can begin or during the course of such construction activity.
2. Above-ground or below-ground structures or obstructions of any type shall not be placed within the easement area of any pipeline.
3. Pipeline easements shall not be shared longitudinally with

other pipelines or utilities. All water valves, curb boxes, man holes, etc. must be outside the easement. All utility crossings must be approved by TEC before installation begins and must meet the following criteria:

- Cross as near to 90 degrees as possible, but in no case less than a 45 degree angle.
 - Minimum of 24 inches vertical clearance.
 - Must cross below TEC's pipeline, unless prior written consent is granted (Note: protective measures required for crossing over a TEC pipeline may differ from those described below and will be listed in the permission document.)
 - Except for trenchless excavation, warning tape in accordance with APWA Uniform Color Code shall be placed above the utility, 12 inches below ground, across the entire TEC right-of-way. Cable/wire crossings (excluding single telephone/television drops) must be encased with a minimum of 2-inch Schedule 40 PVC pipe or equivalent across the entire width of the right-of-way. Electric and fiber optic lines shall also be surrounded with a minimum of 6 inches of colored 2,000 psi concrete (red for electric, orange for fiber) or 4-inch minimum diameter, standard wall thickness, coated steel pipe across the entire right-of-way (except for trenchless excavations).
 - Metallic utilities shall be coated with a non-conductive coating for the entire width of the TEC right-of-way. Corrosion protection (CP) materials shall be installed at the expense of the Permittee where necessary, at TEC's sole determination.
 - Non-metallic utilities shall be installed with tracer wire for the full width of the TEC right-of-way, unless otherwise permitted by TEC. Tracer wire shall be raised to the ground surface and connected to a test station for monitoring.
 - Natural gas, petroleum, or other industrial gas pipelines crossing under TEC pipelines must be encased in a 6-inch envelope of yellow 2,000 psi concrete or a 4-inch minimum diameter, standard wall thickness, coated steel pipe across the full width of the TEC's right-of-way.
 - All crossings shall be marked with above-ground markers installed on either side of TEC's right-of-way boundaries.
4. A "Field Tile Agreement" is required prior to any field tile installations that occur within TEC right-of-way. Permitted field tile or drainage pipe shall cross the pipeline right-of-way at or as near to 90 degrees as possible with a minimum clearance of 12 inches above or below the pipeline. Crossings less than 45 degrees are not permitted. Field tile shall not drain onto a TEC right-of-way. Longitudinal runs of field tile shall not be closer than 15 feet from TEC pipeline.
 5. Roads shall cross pipelines at or as near to 90 degrees as practical, but at angles not less than 45 degrees. The entity constructing the road must pay for any measures required by TEC to inspect and protect its pipeline(s). Such protective measures shall be designed and/or approved by TEC personnel.
 6. Walking/bicycling paths require TEC's written permission prior to construction. Paths must be constructed at the outside edge of TEC's right-of-way and may extend no more than

6 feet into the right-of-way. Paths shall cross TEC's pipeline as close to 90 degrees as possible, but in no case less than 45 degrees. TEC shall have sole determination of number of path crossings to be permitted. No motorized vehicles of any type, other than power-driven wheelchairs, are permitted to utilize paths that run longitudinally inside the right-of-way. Landowner shall be responsible for maintaining the path to prevent right-of-way damage, including erosion, illegal dumping, etc.

7. Parking areas require written permission from TEC. Parking shall not be allowed over the easement unless designed/ altered so as not to impact the safe and reliable operation and maintenance of TEC's pipeline. In no case shall parking lots be designed such that vehicles are allowed to park directly over or within 5 feet of a pipeline. Paving for parking lots shall be limited to asphalt or gravel and must meet all requirements set forth by TEC.
8. Paving within a TEC right-of-way must be submitted and approved by TEC before paving can begin. Concrete or paving is permitted for sidewalks, curbs and residential driveways. Continuously poured, steel reinforced concrete is prohibited within TEC's right-of-way. Residential or commercial driveways may be permitted provided that the design and installation meets TEC requirements.
9. Detention ponds, lakes or any type of water impoundment is prohibited within the right-of-way. Septic tanks and leach fields should be placed so they drain away from the pipeline where practical. In no case shall they be placed in the easement area.
10. The right-of-way may be planted in lawn, flowerbeds or vegetable gardens, or used for normal agricultural purposes. Shrubs maturing at less than 5 feet tall are permitted on the right-of-way. However, they must be planted such that the branches at maturity are a minimum of 5 feet away from the pipeline. Shrubs greater than 5 feet tall and trees, including fruit or nut bearing trees of any kind, and "Christmas tree farms" are prohibited within the right-of-way. TEC shall not be responsible for replacement of or reimbursement for any plantings within the right-of-way, unless otherwise stated in applicable land rights document.
11. Fences or continuous hedges that block visual inspection, interfere with access to TEC facilities, or are installed longitudinally to the pipeline shall not be permitted within the right-of-way. Fence or hedge height may not exceed 5 feet. Commercial or residential chain link fence installations are permitted. Fence posts shall not be placed within 3 feet of the outermost edge of the pipeline. Fences permitted to cross a TEC pipeline right-of-way must be designed and installed to allow at least a 16 foot gate or opening centered on the pipeline and must cross at or near to 90 degrees as possible, or as permitted by TEC. If gates are to be locked, TEC must be allowed to install its own locks on the gates. Locks will be installed in such a manner as to allow both the landowner and TEC unimpeded access to the property.

