merjent

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1 Main Street SE ▪ Suite 300 ▪ Minneapolis, Minnesota ▪ 55414

January 5, 2026
Minnehaha Creek Watershed District
Attn: Permitting Department
15320 Minnetonka Blvd.
Minnetonka, MN 55345

Submitted via the MCWD Permit Portal

Re: CenterPoint Energy: 18th Ave N & Archer Ln N Project (WO# 119447404), Plymouth, Hennepin County, MN
Application for Authorization under Erosion and Sediment Control and Waterbody Crossings and Structure Rules

Dear Permitting Staff:

On behalf of CenterPoint Energy (CenterPoint), Merjent, Inc. is submitting the attached application materials for the 18th Ave N & Archer Ln N (WO# 119447404) Project (Project) located in Plymouth, Hennepin County, Minnesota. The Project involves improving natural gas service in the area by installing approximately 7,200 feet of 2-inch-diameter plastic natural gas pipeline and associated services using the directional boring method to replace existing 1¼-inch-diameter pipeline, which will be abandoned in-place. Additional excavations for tie-ins and service line replacements are included in this scope. Please refer to the attached materials for specific location information and project maps.

CenterPoint is applying for coverage under the Minnehaha Creek Watershed District (MCWD) Erosion and Sediment Control and Waterbody Crossings and Structure Rules.

Erosion and Sediment Control Rule
As proposed, the Project will exceed 5,000 square feet of land disturbance and 50 cubic yards of excavation within MCWD boundaries, involving approximately 30,6000 square feet of land disturbance and 1,667 cubic yards of excavation.

Waterbody Crossings and Structure Rule
A desktop review of the MCWD streams layer indicates that two waterbodies will be crossed at three locations via the directional bore method. One crossing of an unnamed tributary to Minnehaha Creek will occur at the intersection of 18th Avenue N and Dunkirk Lane N, with two crossings of an unnamed drainage route along 18th Ave N and Yuma Lane N. All crossings will be a minimum of 3 feet below the bed of the waterbody. No disturbance to the waterbodies will occur as part of this project.

CenterPoint has considered all possible alternatives. Alternative routing is not feasible due to the existing natural gas service infrastructure network and location of residential homes requiring service in the area. The primary alternative would be a no-build scenario which would result in gas system issues, customer connection issues, and public safety concerns. The second alternative would be installation via the open trench method which would result in a larger environmental disturbance, increased timeline, and potential public safety concerns.

Perimeter sediment controls (e.g., filter logs) will be installed around temporary stockpiles and disturbed trench/bore pit areas. Seed, mulch, or erosion control blankets will be applied to grassed or vegetated ROW areas to ensure permanent vegetative stabilization post-construction.

Q3 Contracting Inc. (Q3C) will manage post-construction restoration, including erosion and sediment control and permanent cover installation as required.

Construction is scheduled to begin on or after April 1, 2026, contingent upon permit issuance. No inspections are required, as the total area of disturbance is under one acre. All workspaces will be restored to pre-construction conditions.

If you have any questions or need additional information, please contact me at (952) 353-0933 or via email at nick.mcreavy@merjent.com. Merjent and CenterPoint appreciate your time and look forward to your response.

Sincerely,

Nick McReavy

Nick McReavy
Environmental Analyst
Merjent, Inc.

Enclosures: Water Resource Permit Application
Project Location Figures
BMP Typicals
Plan for Inadvertent Release of Drilling Mud
Application Fee *(to be paid on the MCWD Permit Portal)*

cc: Erick Rojas, CenterPoint Energy
Madelyn Tyler, CenterPoint Energy
Rob Schierman, Merjent
Melissa Lieder, Merjent

Print Form

WATER RESOURCE PERMIT APPLICATION FORM

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:
15320 Minnetonka Blvd. Minnetonka, MN 55345.
Keep a copy for your records.

YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

1. Name of each property owner: CenterPoint Energy, Madelyn Tyler
Mailing Address: 505 Nicollet Mall City: Minneapolis State: MN Zip: 55402
Email Address: madelyn.tyler@centerpointenergy.com Phone: 612-321-4494 Fax:

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc…)
Business Name: Merjent, Inc Representative Name: Nick McReavy
Business Address: 1 Main Street SE, Suite 300 City: Minneapolis State: MN Zip: 55414
Email Address: nick.mcreavy@merjent.com Phone: 952-353-0933 Fax:

3. Project Address: 18th Ave N between Dunkirk Ln N & Vicksburg Ave N City: Plymouth
State: MN Zip: 55447 Qtr Section(s): Section(s): 29 Township(s): 118N Range(s): 22W
Lot: Block: Subdivision: PID:

4. Size of project parcel (square feet or acres): n/a
Area of disturbance (square feet): 30,600 square feet Volume of excavation/fill (cubic yards): 1,667 cubic yards
Area of existing impervious surface: n/a Area of proposed impervious surface: n/a
Length of shoreline affected (feet): n/a Waterbody (& bay if applicable): n/a

5. Type of permit being applied for (Check all that apply):

- ☑ EROSION CONTROL
- ☐ FLOODPLAIN ALTERATION
- ☐ WETLAND PROTECTION
- ☐ DREDGING
- ☐ SHORELINE/STREAMBANK STABILIZATION
- ☑ WATERBODY CROSSINGS/STRUCTURES
- ☐ STORMWATER MANAGEMENT
- ☐ APPROPRIATIONS
- ☐ ILLICIT DISCHARGE

6. Project purpose (Check all that apply):

- ☐ SINGLE FAMILY HOME
- ☐ ROAD CONSTRUCTION
- ☑ UTILITIES
- ☐ DREDGING
- ☐ SHORELINE/STREAMBANK STABILIZATION
- ☐ MULTI FAMILY RESIDENTIAL (apartments)
- ☐ COMMERCIAL or INSTITUTIONAL
- ☐ SUBDIVISIONS (include number of lots)
- ☐ LANDSCAPING (pools, berms, etc.)
- ☐ OTHER (DESCRIBE):

7. NPDES/SDS General Stormwater Permit Number (if applicable): Not Applicable

8. Waterbody receiving runoff from site: Gleason Lake & Minnehaha Creek

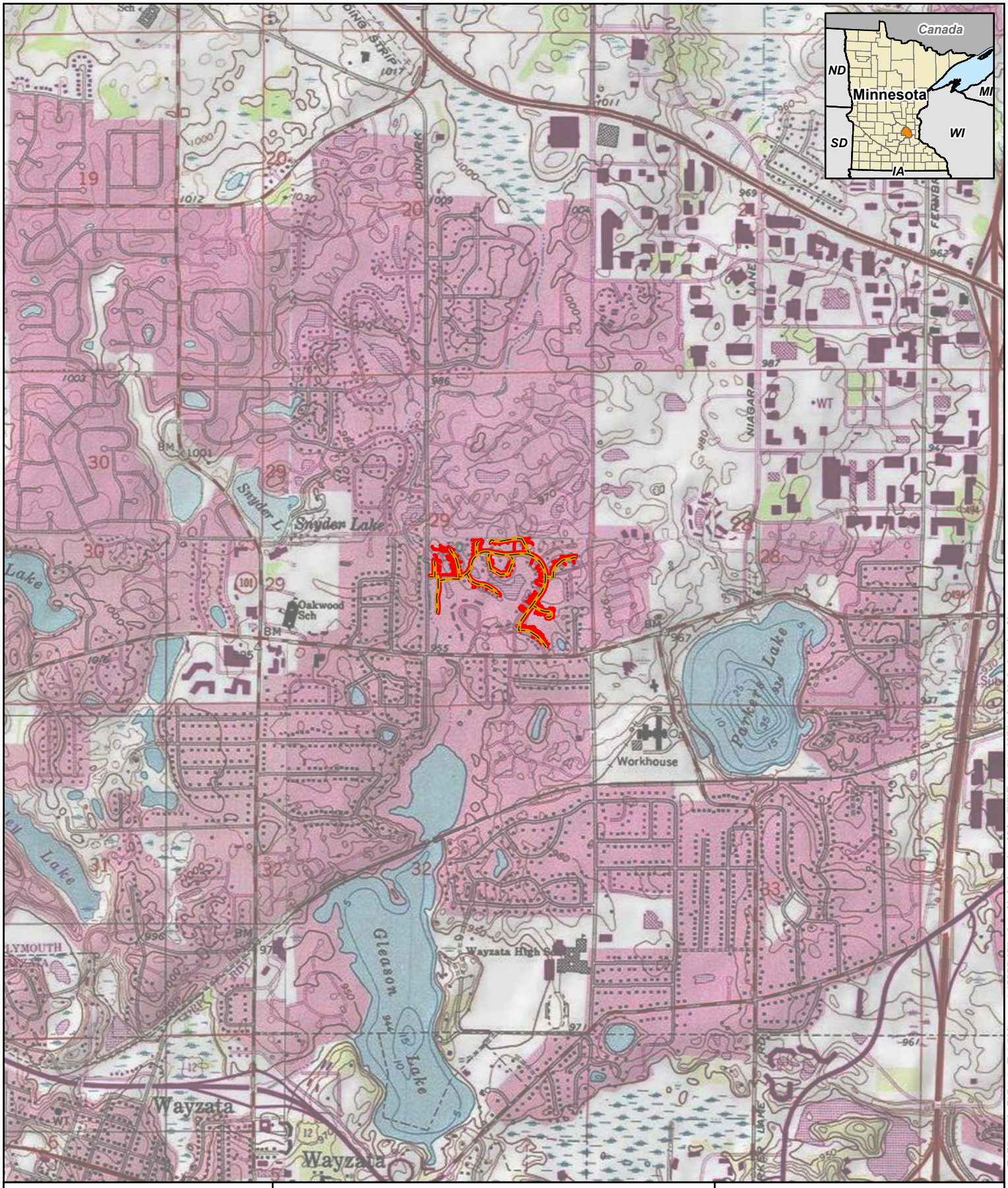
9. Project Timeline: Start Date: 4/1/2026 Completion Date: 12/31/2026

Permits have been applied for: City ☐ County ☐ MN Pollution Control Agency ☐ DNR ☐ COE ☐
Permits have been received: City ☐ County ☐ MN Pollution Control Agency ☐ DNR ☐ COE ☐

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

Madelyn Tyler
Signature of Each Property Owner

12/19/2025
Date



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For Environmental Review Purposes Only

Figure 1: Site Location Map

18th Ave N and Archer Ln N Project (WO#119447404)

CenterPoint Energy

Plymouth, Hennepin County, Minnesota

Proposed Pipeline

Proposed Abandonment

Source: Z:\Clients\A_D\CenterPointMinnesota\2025\18th_Ave_N_Archer_Ln_N\ArcGIS\Permitting\18th_Ave_N_Archer_Ln_N.aprx

Date: (12/17/2025)

Based on aerial imagery, the MCWD wetland is not present at this location

Based on aerial imagery, the MCWD wetland is not present at this location

970'

960'

Dunkirk Ln N

Comstock Ln N

18th Ave N

Archer Ln N

Zanzibar Ln N

Archer Ct

Black Oaks Ln N

Unnamed Tributary to Minnehaha Creek

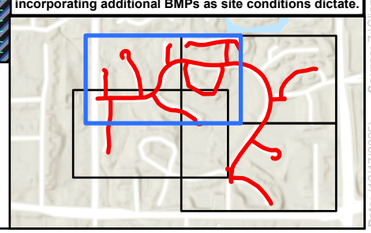
1. The unnamed tributary to Minnehaha Creek will be crossed via the directional bore method.
2. The waterbody is pipped and bore pits are located more than 100 feet from the open channel.
3. No disturbance is authorized within the bed or banks of the unnamed tributary.
4. A minimum 3-foot depth of cover will be maintained between the bottom of the pipped waterbody and top of the proposed pipeline.
5. Follow the Plan for Inadvertent Release of Drilling Mud in the event of a Drilling Mud Release.

Wetland impacts are not anticipated as a result of construction activities.

Refer to Erosion and Sediment Control Site Notes on Following Pages of this Plan

CenterPoint Energy's designated construction contractor is responsible for BMPs during project installation.
3 Contracting is responsible for restoration.

The site inspector and/or contractor are responsible for incorporating additional BMPs as site conditions dictate.



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N W E S

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Figure 2: Site Plan

18th Ave N and Archer Ln N Project (WO# 119447404)

CenterPoint Energy

Plymouth, Hennepin County, Minnesota

- Bore/Tie-In Site
- Cut and Cap
- Service Tie-In Excavation
- BMP
- 2" Proposed Pipeline - Bore Method
- Proposed Service - Bore Method
- Proposed Abandonment
- Stormwater Flow
- 10' Contour
- NHD Waterbody
- NWI Wetland
- MCWD Stream
- MCWD Wetland

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EROSION and SEDIMENT CONTROL PLAN

Perimeter sediment controls will be installed down-gradient of temporary stockpiles, displaced trench material, and bore pits.

All associated equipment will be clean of soil or sediment before leaving off site. Street sweeping will be performed routinely as needed to remove tracked sediment.

Seed and erosion control blanket will be installed wherever soil disturbance occurs in a grassed or vegetated right-of-way. These stabilization BMPs will be implemented upon restoration of the R.O.W., and in no case later than 14 days after completion of construction activity.

All curb & gutter catch basins receiving stormwater runoff from the project area will have inlet protection coverage installed and maintained.

Post-construction conditions will result in no change to the preconstruction conditions. Drainage patterns, contours, and vegetation will not be altered from pre-existing conditions.

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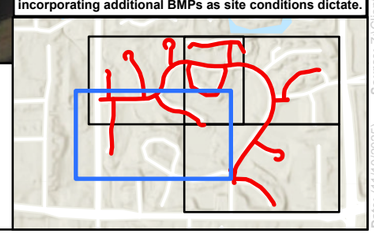

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Date: (11/10/2025)

Zanzibar Ln N

Zanz Ln N

18th Ave N

16th Pl N

Archer Ct

Black Oaks Ln N

970'

960'

980'

1. Service bore pit is located approximately 22 feet south of the wetland.
2. Redundant BMPs will be installed at borepit location to reduce the potential for erosion and sediment transport to the wetland.

1. The unnamed tributary will be crossed via the directional bore method.
2. No disturbance is authorized within the bed or banks of the unnamed tributary.
3. The setback from the waterbody to the pilot entrance and exit holes of this crossing will be over 100 feet from the waterbody.
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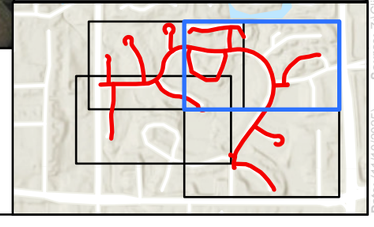

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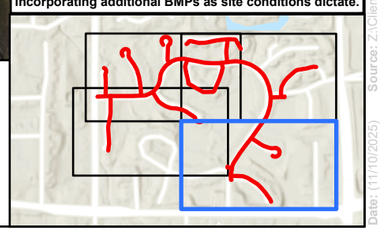

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Date: (11/10/2025)

LEGEND:

- IN SERVICE
- PROPOSED
- PROPOSED ABANDONED
- ABANDONED
- PROJECT AREA
- REPLACE SERVICE LINE
- TEST & CONNECT

Address	Type of Or
1701 ARCHER CT, M	T&C
1708 ARCHER CT, M	REPL
1709 ARCHER CT, M	T&C
1716 ARCHER CT, M	REPL
1717 ARCHER CT, M	REPL
1724 ARCHER CT	REPL
1725 ARCHER CT, M	T&C
1733 ARCHER CT	T&C
1737 ARCHER CT, M	T&C
1745 ARCHER CT, M	REPL
1753 ARCHER CT, M	REPL
1761 ARCHER CT, M	REPL
1766 ARCHER CT, M	REPL
1771 ARCHER CT, M	REPL
1774 ARCHER CT, M	REPL
1777 ARCHER CT, M	T&C
1785 ARCHER CT, M	T&C
1793 ARCHER CT, M	REPL
1805 ARCHER LN N	REPL
1815 ARCHER LN N	REPL
1825 ARCHER LN N	REPL
1830 ARCHER LN N	REPL
1835 ARCHER LN N	REPL
1840 ARCHER LN N	REPL
1845 ARCHER LN N	REPL
1850 ARCHER LN N	REPL
1705 BLACK OAKS LN N	T&C
1715 BLACK OAKS LN N	T&C
1725 BLACK OAKS LN N	T&C
1735 BLACK OAKS LN N	REPL
1745 BLACK OAKS LN N	REPL
1755 BLACK OAKS LN N	REPL
1765 BLACK OAKS LN N	REPL
1775 BLACK OAKS LN N	REPL
1785 BLACK OAKS LN N	REPL
1795 BLACK OAKS LN N	REPL
1799 BLACK OAKS LN N	REPL
1805 BLACK OAKS LN N	REPL
1810 BLACK OAKS LN N	REPL
1815 BLACK OAKS LN N	REPL
1820 BLACK OAKS LN N	T&C
1830 BLACK OAKS LN N	T&C
1835 BLACK OAKS LN N	REPL
1840 BLACK OAKS LN N	REPL
1845 BLACK OAKS LN N	REPL
1850 BLACK OAKS LN N	T&C
1860 BLACK OAKS LN N	T&C
1865 BLACK OAKS LN N	REPL
1870 BLACK OAKS LN N	T&C
1875 BLACK OAKS LN N	T&C
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1895 BLACK OAKS LN N	T&C
1620 COMSTOCK LN N	REPL
1624 COMSTOCK LN N	REPL
1632 COMSTOCK LN N, M	REPL
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1716 COMSTOCK LN N, M	T&C
1724 COMSTOCK LN N, M	T&C
1800 COMSTOCK LN N	T&C
1810 COMSTOCK LN N	T&C
1820 COMSTOCK LN N	T&C
1830 COMSTOCK LN N	T&C
1840 COMSTOCK LN N	T&C
1850 COMSTOCK LN N	T&C
1900 COMSTOCK LN N	T&C
1605 YUMA LN N	T&C
1615 YUMA LN N	T&C
1625 YUMA LN N	REPL
1635 YUMA LN N	REPL
1645 YUMA LN N	REPL
1655 YUMA LN N	REPL
1665 YUMA LN N	REPL
1685 YUMA LN N	REPL
1695 YUMA LN N	REPL
1801 ZANZIBAR LN N, M	REPL
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1825 ZANZIBAR LN N, M	T&C
1840 ZANZIBAR LN N, M	T&C
1849 ZANZIBAR LN N, M	T&C
1852 ZANZIBAR LN N, M	REPL
1853 ZANZIBAR LN N, M	T&C
16100 15TH AVE N	T&C
16110 15TH AVE N	T&C
16120 15TH AVE N	T&C
16125 15TH AVE N	T&C
16130 15TH AVE N	T&C
16135 15TH AVE N	T&C
16140 15TH AVE N	T&C
16145 15TH AVE N	T&C
16150 15TH AVE N	T&C
16160 15TH AVE N	T&C
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16145 16TH AVE N	T&C
16150 16TH AVE N	T&C
16155 16TH AVE N	T&C
15925 18TH PL N, M	T&C
15930 18TH PL N, M	REPL
16010 18TH PL N, M	T&C
16025 18TH PL N, M	T&C
16030 18TH PL N, M	T&C
16036 18TH PL N, M	REPL
16100 18TH PL N, M	T&C
16106 18TH PL N, M	T&C
16112 18TH PL N	T&C
16205 18TH AVE N	T&C
16215 18TH AVE N	T&C
16225 18TH AVE N	T&C
16235 18TH AVE N	T&C
16245 18TH AVE N	T&C

CenterPoint Energy Gas Operations
Best Management Practices (BMPs) for Stormwater Management

BMP Type	BMP Name	Use	Application*	Example Photo
Sediment Control Temporary	Drop-in Inlet Protection (Dandy Bags)	Used to filter stormwater flowing to a storm drain downslope of construction activities. Inlet protection is a supplemental sediment control required under stormwater regulations. Primary sediment controls should be installed at the construction site upslope of the receiving drain.	Inlet protection must have an overflow outlet. Inlet protection reduces the capacity of the storm sewer and may need to be removed during large storm events. Check and clean sediment daily. Maintain inlet protection more frequently during winter months in northern regions and remove if freezing conditions present ice accumulation and/or safety hazards.	
Sediment Control Temporary	Filter Logs	Used as an alternative perimeter and velocity control adjacent to curbs, smaller spoil piles; can also be used as redundant BMPs and ditch checks. Typically made from tubes of plastic netting or biodegradable burlap material filled with woodchips, straw, rice straw, coconut fiber, or compost.	Available in diameter sizes ranging from 9 to 20 inches and varying lengths, applying the appropriate diameter log is critical. This product may be reused over multiple short-term projects, except when used in areas of invasive/noxious species. Only those filled with compost and using a biodegradable netting are considered biodegradable. All other types must be removed upon achieving final stabilization.	
Sediment Control Temporary	Road Cleaning	Used in conjunction with stabilization of construction entrances. All sediment tracked from project onto public roadways should be cleaned daily. Sediment removal may be done manual or using a wet street sweeper.	Where excessive tracking occurs on roadways or sidewalks, evaluate additional BMPs to reduce tracking. Cleanup should occur at the end of every day.	

BMP Type	BMP Name	Use	Application*	Example Photo
Sediment Control Temporary	Sandbags	Used for short-term perimeter controls (24 hours) or as ditch check. Do not use as perimeter control if adjacent to a sensitive feature or to protect storm sewer inlets.	As a barrier, they can slow stormwater flow offsite and provide some filtration of stormwater. Do not use sandbags in streets if prohibited by road authority.	
Sediment Control Temporary	Silt Fence	Used as a perimeter control, inlet protection, or slope breaker and occasional ditch check. Used as perimeter control along project workspaces and spoil piles or to divert water around the site. Must be removed upon final stabilization.	Typically used as a perimeter control but may be used as a ditch check or slope breaker in areas of low flow. Must be installed per manufacturers specifications including but not limited to: fabric shall be trenched-in properly, with locally approved stakes (wood or metal). Stakes will be on the downslope side of the fence. Proper maintenance is key for this BMP.	
Sediment Control Temporary	Straw/Hay Bales	Used as ditch checks and occasionally perimeter controls. May also be used in dewatering structures. Do not use on hard surfaces or in wetlands. Weed free bales may be broken up and used as mulch on ROW in lieu of removal. Use may be prohibited in some cities or counties.	Must be staked and trenched in properly to be effective. Use weed-free straw/hay. Replace saturated bales to ensure stormwater flow through the bale.	
Sediment Control Temporary	Super Silt Fence	Used in areas of extreme erosion potential, to protect sensitive resources, or to contain spoil piles where staking of silt fence is not possible (e.g., road surfaces).	Silt fence reinforced with chain-link or concrete jersey barriers wrapped in geotextile fabric. Avoid tearing fabric when moving jersey barriers.	

BMP Type	BMP Name	Use	Application*	Example Photo
Erosion Control Temporary/ Permanent	Erosion Control Blanket	Used to stabilize soil as a temporary or permanent erosion control. Should be used with seed for final stabilization. Use on excavated areas, steep slopes, or approaches to stormwater conveyances (e.g., ditches, waterbody banks, upland borders with wetlands).	Seedbed preparation should be completed before application. Installation includes installing blanket with the flow of water, overlapping the edges, trenching in the upslope edge, and using the appropriate staples and spacing. At wetlands and waterbodies, a netless erosion control blanket should be used. Use the appropriate blanket for the land use post construction (i.e., do not use a blanket with netting of 12 months in an area that will be mowed in 3 months).	
Erosion Control Temporary/ Permanent	Hydromulch & Hydroseed	Used to apply mulch and seed for temporary and permanent soil stabilization. Used on steeper slopes or areas where rapid stabilization is needed. Do not apply in areas of heavy foot traffic or concentrated water flow. Must be applied directly to bare soils and never in frozen conditions or over snow, unless otherwise specified by the manufacturer.	Hydromulch and hydroseeding are used to prevent erosion and encourage revegetation. Both are usually made from a slurry of water, wood, or cellulose fibers, and a tackifier agent, and are differentiated by the inclusion of seed and fertilizer. Typical application rate is 2.5 tons/acre depending on the material being applied.	
Erosion Control Temporary/ Permanent	Mulch	Used as a temporary or permanent soil stabilization measure. If used for permanent stabilization it must be applied with a perennial seed mix. Mulch may be used in front of sediment controls to reduce flow velocity and capture sediments in areas of high discharge, or in between redundant BMPs. It should not be applied in wetlands.	Mulch used is typically weed-free straw or hay. Mulch must be crimped in to keep it in place. Typical application rate is 2 tons/acre or 90 percent ground coverage.	

BMP Type	BMP Name	Use	Application*	Example Photo
Erosion Control Temporary	Plastic Sheeting	Used for temporary cover for very short-term projects (24 to 48 hours) or soil piles left overnight.	Sandbags should be used to weigh the plastic in place and prevent sediment loss. Do not use dirt clods to secure bottom. If using for potential contaminated soils cover, use compost logs with the plastic cover.	
Erosion Control Permanent	Retain Existing Vegetation	Project phasing is a recognized erosion control that includes limiting vegetation removal to trenchline only, where possible. Minimizes erosion onsite and the need for sediment controls. Where existing vegetation was retained, limit final grading to those areas where vegetation was removed.	Where possible, retain a buffer of existing vegetation upslope of sediment controls. This will reduce runoff velocity, capture sediment, and reduce repair/maintenance to sediment controls.	
Erosion Control Temporary/ Permanent	Seeding	Used to reestablish vegetative cover on disturbed soils and as an erosion control measure on soil piles. Requirements for seed installation vary by state and seed mixes may be determined by road authority. Consider native pollinator friendly seed mixes and soil characteristics when selecting seed. In droughty or arid areas, site may be stabilized using mulch/erosion control blankets. Good temporary erosion control for spoil piles.	Temporary/permanent stabilization measure that should be combined with mulch, erosion control blanket, or hydromulch. Apply where permit requires stabilization of spoil piles or disturbed areas no longer under construction (14-day, 7-day, or 24-hour application timelines). Prepare seedbed with adequate topsoil and amendments (unless prohibited by permits) and follow specified seed application rates. Permanent seeding required for all projects unless covering with sod, gravel, or other road material. Water regularly following application of permanent seeding measures.	

BMP Type	BMP Name	Use	Application*	Example Photo
Erosion Control Permanent	Sod	Used for final soil stabilization in lieu of seeding. Typically used in residential areas, grassy public areas, or areas requiring immediate stabilization.	Sod installation should include proper staking, overlapping edges, and thorough watering. Must be watered for 30 days or until rooted.	
Erosion & Sediment Control Temporary	Staging	Staging can include the intentional placement of spoil piles where stormwater flow is directed to the excavation or minimizing impacts in areas where the work is not to occur immediately. Minimizes or eliminates the need for perimeter control on smaller scale projects.	Store spoil piles upslope of excavation area and away from waterbodies, wetlands, and stormwater conveyances. Install sediment controls prior to initiating ground disturbing activities. Avoid working over previously stabilized areas where possible.	
Erosion & Sediment Control Temporary/ Permanent	Slope Breakers	Used to reduce runoff velocity, divert water off the construction right-of-way, and prevent sediment deposition into sensitive resources. Temporary slope breakers can be constructed of soil berms, silt fence, straw bales, or sandbags (see BMPs above). Permanent slope breakers can be constructed of soil, stone, or similar materials.	Install on slopes greater than 5 percent using the spacing guidance below. Direct the outflow of each slope breaker off the construction right-of-way to a well-vegetated area or energy dissipation device. Outfalls cannot be directed into wetlands, waterbodies, or other sensitive areas. **Slope (%) — Spacing (feet)** 5 - 15 — 300 >15 - 30 — 200 >30 — 100	

BMP Type	BMP Name	Use	Application*	Example Photo
Resource Protection	Waste Management	Maintain a clean construction site. Waste materials should be contained and picked up daily. Any sediment controls left onsite after final stabilization are considered construction waste and should be removed. Do not store chemicals or refuel vehicles near wetlands or other water resources. Applicable for all projects.	Following CenterPoint Energy Spill Procedures and Plans, all spills should be cleaned up and reported immediately. Water from concrete washouts or wet-concrete cuts must be contained and disposed of properly. Any waste materials from construction should be removed from the site. Sediment controls should be removed after final stabilization is achieved.	

Key Compliance Points for Construction Stormwater

1. **BMPs must be used on all projects regardless of their size.**
2. A Construction Stormwater Permit and Stormwater Pollution Prevention Plan (SWPPP) is required for all projects with 1 acre or more of ground disturbance or part of a Common Plan of Development and a copy of these documents must be kept onsite during construction.
3. BMPs should be installed as directed in the Pocket Buddy text and manufacturer specifications to protect sensitive resources on and off site, minimize erosion onsite, and prevent sediment flow offsite.
4. Vehicle travel or construction activities are not authorized within wetlands/waterbodies unless a permit for that specific activity has been provided with construction documents.
5. Changes in the project footprint or construction methods must be communicated to Engineering (or the Project Designer) and Environmental Services immediately before proceeding.
6. Final restoration measures should be initiated immediately in portions of the site where construction activities have permanently ceased. Temporary stabilization is required where construction has ceased and will not resume for the period of time specified in applicable permits.
7. Return the on-site SWPPP and all original documents (i.e., inspection reports, site photos) to Environmental Services upon final stabilization and the completion of construction activities.

Environmental Services Contact Information

Chris LaNasa Environmental Services Manager	612-321-4491 (Office) 612-916-9213 (Cell)	Mark Wannemueller Lead Environmental Specialist (IN, OH)	812-491-4601 (Office) 812-455-0939 (Cell)
Colton Peshek Lead Environmental Specialist (MN)	612-321-4495 (Office) 612-499-4087 (Cell)	Gas Operations Environmental Services Department Email GasOpsEnv@CenterPointEnergy.com	
Justin Suchecki Lead Environmental Specialist (TX)	713-207-5681 (Office) 832-470-3098 (Cell)		

Plan for Inadvertent Release of Drilling Mud

CenterPoint Energy will conduct directional drilling operations in compliance with the applicable regulatory guidelines. The on-site inspection staff will continuously monitor the directional drilling operation for construction and environmental related problems. The inspector will also be present during drilling operations. CenterPoint Energy will install containment structures at the entrance and exit points of each location where a directional drill is conducted.

In the event an inadvertent release of drilling mud occurs the inspector will:

1. Notify Maddie Tyler (612.599.6533) immediately.

2. Reduce the gallons per minute of drilling mud to minimize the release of mud to the surface if drilling mud flows cannot be sufficiently decreased and environmental conditions permit (i.e., not in wetland or waterbodies), or

3. Drilling operation will be immediately stopped. Any inadvertent release of drilling muds will be immediately enclosed by an appropriate containment structure determined by the severity of the release. These containment structures will be of a method that will minimize the impact to the surrounding environment. Possible containment methods will include earthen berms, hay bales and silt fencing, and/or containment booms, if required. After containment, the drilling mud will be cleaned up by vacuum trucks, pumped into tanks, and properly disposed of in compliance with the applicable state and federal regulations. After corrective measures are implemented the drilling operation will be allowed to resume. Should the problem be irreparable and containment measures insufficient to continually prevent adverse impact to the surrounding environment, the drilling operation in progress will be stopped.

If the directional drill operation is unsuccessful, the existing bore hole will be properly plugged and abandoned and another attempt at boring will be made. Generally, plugging of an abandoned hole is done by pumping drilling mud into the hole and allowing it to solidify. Any abandonment and plugging of a directional drill hole will be in compliance with all applicable state and federal permits, laws, and regulations.

After the drilling activity is completed, including the removal of drilling muds resulting from an inadvertent release if any, the containment structures will be removed and any regrading, seeding, and mulching of the containment area will be completed as required.