

APPENDIX B
NISOURCE COVERED ACTIVITIES

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NiSource O&M and Construction Activities Master List

Existing Disturbance

- **Operations and Maintenance**
 - Facility operation, maintenance, and inspections (non-earth disturbing)
 - Vehicle Operation
 - Foot Traffic
 - Compressor Station Operation (noise: 55 db measured at the nearest noise sensitive area, as high as 75 dba at the property line)
 - Pipeline Corridor Presence
 - Communication Facility (Guy Lines, Lights, Height (25' to 100's))
 - Vegetation Management (Does not occur between April 15-August 1)
 - Mechanical mowing (<5" dbh)
 - Chainsaw (> or equal to 5" dbh)
 - Tree clearing (> or equal to 5" dbh)
 - Herbicide application (ROW, extremely rare on access roads, subsequent clearing of >/or equal to 5" dbh trees considered under chainsaw and tree clearing above and assumed to occur post growing season of application)
 - Hand application
 - Vehicle mounted sprayer application (addressing herbicide here, not vehicles)
 - Aerial spraying
 - Vegetation Disposal (final disposal not in wetlands or waterbodies)
 - Dragging
 - Brush pile Burning
 - Chipping
 - Hauling (consider vehicular impacts above)
 - Piling
 - Stacking
 - Tree side trimming (Disposed of in manner described in Vegetation Disposal)
 - Bucket Truck (> or equal to 5" dbh, consider vehicular impacts and disposal impacts above)
 - Helicopter (> or equal to 5" dbh)
 - ROW repair, regrading, and revegetation
 - Hand repair
 - Mechanical repair
 - Upland or Wetland Areas
 - Streams
 - Instream Stabilization (modification)
 - Fill
 - Access Road O&M (herbicide use extremely rare, generally within existing disturbance)- restoration of temporary roads unlikely due to landowner request
 - Existing Road Maintenance (grading, graveling, side-trimming, no salt or other chemicals besides herbicide applied)
 - Culvert Replacement (maintenance and/or replacement)
- **General Appurtenance and Cathodic Protection Construction**

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- Off ROW Clearing (approximately 50% of the time, 400-800 ft from the ROW, 25 ft wide by 250 ft in length (perpendicular to pipe))
- Trench (usually 1-a few days to install and cover, 12-18 inches wide, 3-4 feet deep)
- Anode
- Bell Hole (open 1-2 weeks)
- **Abandonment**
 - Pipeline Abandonment
 - In Place
 - Removal (pipe left on surface or removed from stream)
 - Well Abandonment
 - Plugging (Noise)
 - Waste Pits (construction of and presence)
 - Facility Abandonment (building removal)
 - Restoration (existing veg could be removed)
 - Transfer of Ownership
- **Facility Inspection Activities**
 - Ground Based Inspection
 - Aerial Inspection

New Disturbance

- **Construction (pipeline and facilities including storage, compression, communication)**
 - Vehicle Operation
 - Foot Traffic
 - Clearing
 - Tree clearing (> or equal to 5 dbh)
 - Shrub clearing (woody < 5 dbh)
 - Herbaceous clearing
 - Vegetation Disposal (final disposal not in streams or wetlands)
 - Dragging
 - Brush pile Burning
 - Chipping
 - Hauling
 - Piling
 - Stacking
 - Tree side trimming (Disposed of in manner described in Vegetation Disposal)
 - Bucket Truck (> or equal to 5" dbh, consider vehicular impacts and disposal impact above)
 - Helicopter (> or equal to 5" dbh)
 - Trenching
 - Digging
 - Blasting
 - Dewatering
 - Open Trench
 - Trenchline barriers

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- Interceptor Diversions
- Pipe stringing, bending, welding, coating (pre-coated on outside of the pipe, in field re-application necessary), and lowering
 - Barge Based Pipe Transport
 - Stringing (many gaps)
 - Welding (few gaps - insertion of trench plugs?)
 - Padding and backfilling
- Hydrostatic testing
 - Withdrawal (source, rate, volume, screen, turbidity)
- Discharge of Water (volume, discharge location- direct or upland or indirectly to wetlands/streams, water quality, contaminants, invasive species)
 - New Line
 - Existing Line
- Regrading, stabilization and restoration (pipeline corridor)
 - Regrading
 - Temporary and Permanent Erosion Control Devices
 - Discing, Seeding, Mulching and Harrowing
 - Fertilizer Application
- Compression Related Facility (clearing and vegetation disposal addressed under upland new construction)
 - Operation (assume 55 db at nearest noise sensitive location)
 - Communication Facility (Guy Lines, Lights, Height - follow up with Rick)
- Access Road Construction
 - Upgrading Existing Road
 - Temporary Access Roads (dirt or gravel)
 - Permanent Access Roads
- Stream crossings (won't analyze terrestrial species)
 - Wet ditch
 - Excavation
 - Equipment in Stream (contaminants, compaction, crushing, crossing, invasive species)
 - Spoil in the Stream
 - Blasting
 - Backfilling
 - Restoration
 - Stream Bank Contouring
 - Stream Bank Stabilization
 - Instream Stabilization (modification)
 - Dry-ditch
 - Dam & Culvert
 - Installation and Removal of Water Diversion Structure
 - Excavation
 - Equipment in Stream (contaminants, compaction, crushing, crossing, invasive species)
 - Spoil in the Stream

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- Blasting
- Backfilling
- Restoration
 - Stream Bank Contouring
 - Stream Bank Stabilization
 - Instream Stabilization (modification)
- Steel Dam & Culvert
 - Installation and Removal of Water Diversion Structure
 - Excavation
 - Equipment in Stream (contaminants, compaction, crushing, crossing, invasive species)
 - Spoil in the Stream
 - Blasting
 - Backfilling
 - Restoration
 - Stream Bank Contouring
 - Stream Bank Stabilization
 - Instream Stabilization (modification)
- Dam & Pump
 - Installation, Removal, Operation of Pumps
 - Excavation
 - Equipment in Stream (contaminants, compaction, crushing, crossing, invasive species)
 - Spoil in the Stream
 - Blasting
 - Backfilling (recontouring)
 - Restoration
 - Stream Bank Contouring
 - Stream Bank Stabilization
 - Instream Stabilization (modification)
- Horizontal Directional Drill (HDD)
 - Drilling
 - Frac Out
 - Staging Area (clearing and grading addressed above)
- Horizontal Bore
 - Frac Out
 - Staging Area (clearing and grading addressed above)
- Stream Equipment Crossing Structures (based off culvert & stone analysis)
 - Installation
 - Removal
- Wetland crossings (saturated soil presence: use of low pressure equipment or mats or timber rip rap, vegetation disposal addressed above as an entirely upland activity)
 - Dry wetlands (addressed in upland construction activities)

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- Wet wetlands and other water bodies (non-riparian)
 - Clearing
 - Tree clearing (>/ or equal to 5" dbh)
 - Shrub clearing (woody < 5 dbh)
 - Herbaceous clearing
 - Tree side trimming (Disposed of in manner described in Vegetation Disposal)
 - Bucket Truck (> or equal to 5" dbh, consider vehicular impacts and disposal impacts above)
 - Helicopter (>/ or equal to 5" dbh)
 - Grading (necked down to directly over trenchline where possible: varies with pipe size and ROW condition)
 - Grading
 - Installation of Water Diversion Structure
 - Trenching
 - Digging
 - Blasting
 - Dewatering
 - Open Trench
 - Sedimentation (breakers)
 - Pipe stringing, bending, welding, coating, and lowering
 - Stringing (many gaps)
 - Welding (few gaps - insertion of trench plugs?)
 - Trenchline barriers
 - Padding and backfilling
 - Regrading, stabilization and restoration (pipeline corridor)
 - Regrading/Contouring
 - Temporary and Permanent Erosion Control Devices
 - Stabilization (Residual fiber entrapment)
 - Seeding or Plant Establishment
 - Fertilizer Application (only when required by state)
 - Mats
 - Timber Rip-rap
 - Horizontal Directional Drill (HDD)
 - Frac Out
 - Staging Area (clearing and grading addressed above)
 - Horizontal bore
 - Frac Out
 - Staging Area (clearing and grading addressed above)
- **Storage Well Construction (noise concern) "narrow to species concern once we have locations". Spills will be addressed in spill Occurrence, Prevention, Containment, and Control.**
 - New Construction (Surface impacts addressed in upland and dry wetland construction activities)
 - Drilling

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- Enhancement &/or Reconditioning (similar to well drilling; vegetation re-establishment may have occurred)
 - Clearing Re-established Vegetation
 - Acidizing
 - Coil Tubing Cleanout
 - Drilling to deepen well
 - Hydraulic Fracturing
 - Re-Perforating
 - Wellbore Stabilization
- Waste Pits
 - Open
 - Burying
 - Berms (for stormwater control)
 - Reconditioning (similar to well drilling; vegetation re-establishment may have occurred)
- Spill Occurrence, Prevention, Containment, and Control
 - Spill Event (fuel spill, storage well brine, storage well acid spill considerations, hydrostatic fluid)
 - Spill Clean-up