

City of Green – NEXUS Environmental Observations

Date: 05/25/2018

Environmental Inspector(s): Al Za Jim Gf

Weather & Soil Conditions: Sunny; 85°F; 5-10 mph winds, wet soils

Observed from: Road R/W Within NEXUS R/W

Item/Location	BMPs	Y	N	N/A	Notes
Street Cleaning	Street Cleaning Evident	X			Streets clean and free of sediment. Street cleaning observed at Mayfair, Eastern Koons, and Killinger Rds during the site visit.
	No Tracking Observed	X			
	Street Cleaning Equipment Staged	X			
Rock Entrances	Properly Topdressed	X			
	Check Dams in Ditchline	X			
Sediment Control Devices	Properly Installed	X			Minor silt fence maintenance needed south of Greensburg Rd and west of Comet Rd. Nexus Els notified by Randy Burke (Nexus) during site walkthrough.
	Functional	X			
	No Maintenance Recommended		X		
	No Additional SCD Recommended	X			
Stabilization Timeframes	No Areas Idle >14 Days	X			ROW between western access of Koons Rd and Arlington Rd remained temporarily stabilized.
	No Areas Near S and W Idle	X			
	No Additional TS Recommended	X			
Equipment Bridges	Fabric and Sideboards Intact	X			
	Equipment Gates Installed	X			
	Free of Sediment	X			
	No Maintenance Recommended	X			
Streams and Wetlands	Equipment Bridge Installed (S)	X			Test holes dug in wetlands sporadically along the R/W (including Wetlands C15-104, C15-106, C15-120, and A14-122); topsoil had been segregated and backfilled as topmost layer and disturbance was minimal. All remaining environmental resources avoided.
	Filter Fabric and Sideboards	X			
	Timber Mats Utilized (W)	X			
	Equipment Gates Re-installed	X			
	E/SCDs Installed and Functional	X			
	No Additional SCD Recommended	X			
	No Turbidity or Sedimentation	X			
Impacts Avoided	X				
General R/W	Wood Chip Disposal	X			Topsoil segregation had occurred along the entire upland R/W (except for between western Koons Rd and Arlington Rd). Grading activity had occurred or was in progress along the R/W east of the eastern Koons Rd crossing and west of Arlington Rd. *see notes for details
	Topsoil Segregated	X			
	E/SCD Functional	X			
	No SCD Maintenance Needed	X			
	Good Housekeeping	X			
	Water Bars Installed	X			
	Proper Dewatering	X			
	S&W Signage Installed	X			
	Refueling Signage Installed	X			
Water Bars	Proper Height (~12")	X			Ongoing installation and maintenance of water bars was observed along the R/W between Arlington Rd and Nimisila Reservoir (Christman Rd). Nexus Els notified by Randy Burke (Nexus) during site visit for touch-up of water bar outlets and slope of water bar.
	Outlet off R/W	X			
	Sumps and/or J-Hook Utilized	X			
	No Maintenance Needed		X		
Turtle Exclusion Areas	Silt Fence Installed Properly	X			Wire fencing utilized in areas of flow to prevent flooding issues. Turtle exclusion surveys completed prior to site visit per Randy Burke (Nexus).
	Flow Maintained (Wire Fence)	X			
	No Maintenance Needed	X			

BMP: Best Management Practice CWC: Concrete Wash Containment DB: Drivable Berm EB: Equipment Bridge ECM: Erosion Control Matting EG: Equipment Gate E/SCD: Erosion/Sediment Control Device FS: Filter Sock GH: Good Housekeeping GR: General Recommendation H/SR: Hard/Soft Restoration IP: Inlet Protection MD: Minimized Disturbance PRT: Potential Roost Tree RCE: Rock Construction Entrance S: Stream SB: Straw Bale SF: Silt Fence TM: Timber Mat TP: Trench Plug TS: Temporary Stabilization VB: Vegetated Buffer W: Wetland WB: Water Bar WSC: Wet-saw Slurry Containment

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Key Observations: 1. Damaged/downed silt fence maintenance needed south of Greensburg Rd (west side of R/W) and west of Comet Rd (north side of R/W). Randy Burke photo documented areas that needed maintenance during walkthrough. 2. Ongoing installation and maintenance of water bars along the R/W between Arlington Rd and Nimisila Reservoir observed.

Notes: A full site walk-through was performed with Randy Burke (Nexus). The entire project area within the City of Green was observed.

*Topsoil segregation was in progress along the R/W east of Mayfair Rd during the site visit.

- Topsoil had been segregated along the entire upland R/W (except for between eastern Koons Rd and Arlington Rd – this section remained temporarily stabilized from tree clearing activity).
- Depth of topsoil segregation observed was approximately 12” or more. Additional topsoil segregation was expected east of Nimisila Reservoir per Randy Burke (Nexus).
- Topsoil stockpiled along the edges of the R/W in upland areas.
- Streams and Wetlands remained avoided with sediment control devices installed as needed – topsoil is expected to be segregated in these areas during pipe installation, not ahead of time.

*Grading activity was in progress during the site visit along the R/W between Greensburg Rd and the eastern Koons Rd crossing.

- Grading activity had occurred throughout the entire upland R/W east of the eastern Koons Rd crossing and west of Arlington Rd.
- Subsoil stockpiled separately from topsoil; no mixing observed.
- Streams and Wetlands remained avoided with equipment bridges utilized for equipment travel and sediment controls installed as needed.

Road bore excavation and welding was in progress at Mayfair Rd during the site visit.

- Rock construction entrances remained properly toppedressed and functional.
- Street cleaning with power broom and water truck observed.

Road bore activities had begun at S Main St (setup of sheet piling).

- Topsoil segregation observed.
- Rock construction entrances remained properly toppedressed and functional.

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Test hole excavation had occurred in several wetlands along the R/W:

- Wetlands C15-104, C15-106, C15-120, and A14-122.
- Topsoil segregation and backfill as topmost layer evident.
- Extremely minimal disturbance noted.
- Sediment controls remained properly installed and functional.

All remaining Streams and Wetlands were avoided.

- Equipment bridges utilized for equipment travel with equipment gates reinstalled as needed.
- Sediment control devices remained installed and functional at all Stream and Wetland boundaries as needed.

Water bars and drivable berms had been installed as needed along slopes and at Stream and Wetland boundaries where grading activity had been completed.

- Water bar installation and maintenance was ongoing between Arlington Rd and Nimisila Reservoir.

Erosion and sediment controls remained properly installed and functioning as needed.

- Minor maintenance of damaged silt fence south of Greensburg Rd and west of Comet Rd needed. Randy Burke notified Nexus EIs during site walk-through.

Turtle Exclusion Fencing remained properly installed and functional in Spotted Turtle Exclusion Areas.

- Wire fencing was utilized in areas of water flow to prevent flooding issues.
- Silt fencing had proper ground contact as needed.
- Turtle exclusion surveys were performed as needed per Randy Burke (Nexus).

Dewatering with a filter bag was observed just east of Massillon Rd during the site walk-through. No off-R/W discharge was observed.

Street cleaning was observed at Mayfair Rd, eastern Koons Rd, and Killinger Rd during the site visit.

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General environmental observations from the site visit:

- Road Bore activity had begun at Mayfair Rd and S Main St.
- Topsoil segregation and grading activity had occurred throughout the majority of the R/W (except for between eastern Koons Rd and Arlington Rd).
- The streets were clean and free of sediment – street cleaning observed during site visit.
- Rock construction entrances at roadway ingress/egress points appeared to be in working condition.
- Silt fence and/or Belted Silt Retention Fence (reinforced silt fence) appeared to remain properly installed and functional along wetland and stream boundaries, within residential areas, and downslope of several agricultural fields.
- Temporary stabilization (straw mulch) was applied on idle topsoil piles and along the R/W from the western Koons Rd access to Arlington Rd.
- Timber mats remain installed at the equipment crossing locations of streams and wetlands. Temporary equipment gates were observed at all stream and wetland crossings. Signage also remained installed at the wetlands and streams which included refueling guidance due to the presence of environmental resources.
- Sediment and erosion control device maintenance items from the 4/20/18 site walk-through had been corrected.

Overall, our observations of the R/W were satisfactory related to environmental compliance. The erosion and sediment control device maintenance items listed within this document are typical of pipeline construction projects and in our opinion do not indicate a lack of environmental awareness or compliance.

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