

Regional Energy Access Expansion Project ESCGP-3 Permit Application Transcontinental Gas Pipe Line Company, LLC Section 2-7 Standard E&S Plan Technical Review Checklist

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ATTACHMENT 2.7.1 REGIONAL ENERGY LATERAL

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Regional Energy Lateral

Project: <u>Regional E</u>	Energy Access Expansion Project	
Project Name: Rec	ional Energy Access Expansion Project - Regional Energy Lateral	
Date: 04/05/2021		
Item Location: D	D = E&S Drawings, N = E&S Narrative, D&N = Drawings and Narrative	
Check that the follo	wing items are completed in the E&S Plan. If an item is not applicable write N/A.	
	all be prepared by a person trained and experienced in E&S control methods and tec size and scope of the project being designed"	chniques
Name <u>Kevin C. Cla</u>		Dani
Telephone No. (81	4)-238-2060_	D&N
"The existing topo	ographic features of the project site and the immediate surrounding area"	
D	Legible mapping	D
D	Existing contours	D
	Type of cover	D
	Existing improvements, i.e. roads, buildings, utilities, etc.	D
D	Sufficient surrounding area	D
D	Complete mapping symbols legend and north arrow	D
D&N	Location map, i.e. USGS	D or N
"The types, depth	, slope, locations and limitations of the soils"	
D&N	Types, slopes, and locations of soil types	D
	Soil type use limitations and resolutions	Ν
D&N	Hydric soils	Ν
	cs of the earth disturbance activity, including the past, present, and proposed land uration to the project site"	uses and
D	Proposed boundary and limits of construction	D
D	Proposed contours/grades	D
D	Proposed waterways and stormwater management facilities	D
D	Proposed improvements, i.e., roads, buildings, utilities, etc.	D
<u>N</u>	Past, present and proposed land uses	Ν
"The volume and	rate of runoff from the project area and its upstream watershed area"	
D	Maximum during construction drainage areas	D
	Offsite drainage area(s) on USGS quadrangle map	Ν
<u>D&N</u>	Discharge analysis provided for non-surface water discharges	Ν
	all surface waters of this Commonwealth which may receive runoff within or from th ssification under Chapter 93"	e project
D	Existing streams, wetlands, floodway, etc.	D
	Receiving watercourses	D
	Chapter 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided in the narrative	Ν
	BMP installation and removal in relation to the scheduling of earth disturbance acti fter earth disturbance activities that ensure the proper functioning of all BMPs"	vities, prior
D D D	Complete and site specific sequence of BMP installation Activities planned to limit exposed areas Removal of temporary BMPs	D D D
"Supporting cal	culations and measurements" and "Plan Drawings"	
Stabilized Constr D	uction Entrance Locations <u>D</u> Complete Details	D
Silt Fencing	Locations Slope Length Complete Details	D
Channels D D N N	Locations NDrainage AreasContours and GradesDPeak flow calculationsNCapacity and freeboard calculationsProtective lining calculations	D D N N
Sediment Basins	Locations Contours Drainage Areas	D D&N D D&N N N
Sediment Traps	Locations Contours Drainage Areas Complete berm & outlet details Cleanout information Discharge to surface waters or approved alternative Capacity information Discharge calculations	D D&N D N
Outlet Protection D N	Locations <u>D</u> Complete Details Design Calculations	D N
Inlet Protection	Locations Complete Details	D
Other BMPs (spe D N	ecify) <u>Clean Water Crossing, Compost Filter Socks, trench plugs, water bars</u> Locations <u>D</u> Complete Details Design Calculations	D N
Temporary Stabi Seed Types <u>D</u> Rates <u>D</u>	lization Lime Fertilizer Mulch Others D D D D D D	D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

N	Project construction wastes are identified	Ν
D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

N	Potential for geologic or soil conditions to cause pollution during construction is addressed	Ν
D	Instructions for proper handling and/or disposal of all materials which could cause pollution	
	are provided	D
<u>D</u>	Typical details are provided for proper handling and/or disposal of all such materials	D
N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	N
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

D&N	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
D&N	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"

ATTACHMENT 2.7.2 EFFORT LOOP

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Effort Loop

Project: <u>Regional</u>	Energy Access Expansion Project	
Project Name: <u>Re</u>	egional Energy Access Expansion Project - Effort Loop	
Date: 04/05/2021		
Item Location:	D = E&S Drawings, N = E&S Narrative, D&N = Drawings and Narrative	
Check that the foll	owing items are completed in the E&S Plan. If an item is not applicable write N/A.	
	hall be prepared by a person trained and experienced in E&S control methods and te size and scope of the project being designed"	echniques
Name <u>Kevin C. Cl</u>		
Telephone No. (8	<u>14)-238-2060</u>	D&N
"The existing top	oographic features of the project site and the immediate surrounding area"	
D	Legible mapping	D
<u>–</u> D	Existing contours	D
<u> </u>	Type of cover	D
<u>–</u> D	Existing improvements, i.e. roads, buildings, utilities, etc.	D
D	Sufficient surrounding area	D
 D	Complete mapping symbols legend and north arrow	D
D&N	Location map, i.e. USGS	D or N
"The types, dept	h, slope, locations and limitations of the soils"	
D&N	Types, slopes, and locations of soil types	D
D&N	Soil type use limitations and resolutions	N
D&N	Hydric soils	N
	tics of the earth disturbance activity, including the past, present, and proposed land eration to the project site"	uses and
D	Proposed boundary and limits of construction	D
D	Proposed contours/grades	D
D	Proposed waterways and stormwater management facilities	D
D	Proposed improvements, i.e., roads, buildings, utilities, etc.	D
N	Past, present and proposed land uses	Ν
"The volume and	I rate of runoff from the project area and its upstream watershed area"	
D	Maximum during construction drainage areas	D
D&N	Offsite drainage area(s) on USGS quadrangle map	N
D&N	Discharge analysis provided for non-surface water discharges	Ν
	f all surface waters of this Commonwealth which may receive runoff within or from th assification under Chapter 93"	ne project
D	Existing streams, wetlands, floodway, etc.	D
D&N	Receiving watercourses	D
D&N	Chapter 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided in the	e narrative			Ν
	BMP installation and remo fter earth disturbance acti				ities, prior
D D D	Complete and site specific Activities planned to limit e Removal of temporary BM	exposed areas	tallation		D D D
"Supporting cal	culations and measureme	ents" and "Plan Draw	ings"		
Stabilized Constr D	uction Entrance Locations <u>D</u>	Complete Details	i		D
Silt Fencing	Locations	Slope Length	C	omplete Details	D
Channels D D N N	Locations <u>N</u> Drainage Ard Contours and Grades Peak flow calculations Protective lining calculatio	<u>D</u> Complete detail <u>N</u> Capacity and fr		าร	D D N N
Sediment Basins	Locations Complete berm & outlet de Discharge to surface wate Structurally sound Capacity calculations Dewatering calculations	etails rs or approved alterna	Cleanout informatio tive	n	D D&N D D&N N N
Sediment Traps D D N N	Locations <u>D</u> Contours <u>N</u> Complete berm & outlet de Discharge to surface wate Capacity information <u>N</u>	etails <u>D</u> rs or approved alterna	Cleanout	information	D D&N D N
Outlet Protection D N	Locations <u>D</u> Complete Det Design Calculations	ails			D N
Inlet Protection	Locations	Complete Detail	S		D
Other BMPs (spe D N	ecify) <u>Clean Water Crossing</u> Locations <u>D</u> Complete Det Design Calculations		s, trench plugs, wat	er bars	D N
Temporary Stabi Seed Types <u>D</u> Rates <u>D</u>	lization Lime Ferti <u>D D</u>	ilizer Mulch <u>D</u>	Others		D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

N	Project construction wastes are identified	Ν
D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

N	Potential for geologic or soil conditions to cause pollution during construction is addressed	Ν
D	Instructions for proper handling and/or disposal of all materials which could cause pollution	
	are provided	D
<u>D</u>	Typical details are provided for proper handling and/or disposal of all such materials	D
N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	N
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

D&N	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
D&N	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"

ATTACHMENT 2.7.3 COMPRESSOR STATION 200

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Compressor Station 200

Project: <u>Regional</u>	Energy Access Expansion Project	
Project Name: <u>Re</u>	egional Energy Access Expansion Project - Compressor Station 200	
Date: 04/05/2021		
Item Location:	D = E&S Drawings, N = E&S Narrative, D&N = Drawings and Narrative	
Check that the fol	lowing items are completed in the E&S Plan. If an item is not applicable write N/A.	
	hall be prepared by a person trained and experienced in E&S control methods and te size and scope of the project being designed"	echniques
Name <u>Kevin C. C</u>		
Telephone No. (8	14)-238-2060	D&N
"The existing top	oographic features of the project site and the immediate surrounding area"	
D	Legible mapping	D
D	Existing contours	D
D	Type of cover	D
D	Existing improvements, i.e. roads, buildings, utilities, etc.	D
D	Sufficient surrounding area	D
D	Complete mapping symbols legend and north arrow	D
D&N	Location map, i.e. USGS	D or N
"The types, dept	h, slope, locations and limitations of the soils"	
D&N	Types, slopes, and locations of soil types	D
D&N	Soil type use limitations and resolutions	Ν
D&N	Hydric soils	Ν
	tics of the earth disturbance activity, including the past, present, and proposed land eration to the project site"	uses and
D	Proposed boundary and limits of construction	D
D	Proposed contours/grades	D
D	Proposed waterways and stormwater management facilities	D
D	Proposed improvements, i.e., roads, buildings, utilities, etc.	D
Ν	Past, present and proposed land uses	Ν
"The volume and	I rate of runoff from the project area and its upstream watershed area"	
D	Maximum during construction drainage areas	D
D&N	Offsite drainage area(s) on USGS quadrangle map	Ν
D&N	Discharge analysis provided for non-surface water discharges	Ν
	f all surface waters of this Commonwealth which may receive runoff within or from tl assification under Chapter 93"	ne project
D	Existing streams, wetlands, floodway, etc.	D
D&N	Receiving watercourses	D
D&N	Chapter 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided in t	he narrative			Ν
				ing of earth disturbance acti functioning of all BMPs"	vities, prior
D D D	Activities planned to limi	t exposed areas	MP installation		D D D
"Supporting cal	culations and measuren	nents" and "Pla	n Drawings"		
Stabilized Construct	uction Entrance Locations <u>D</u>	Complete	Details		D
Silt Fencing	Locations	Slope Leng	ıth	Complete Details	D
Channels	Locations Draina Contours and Grades Peak flow calculations Protective lining calculat			ails freeboard calculations	D D N N
Sediment Basins	Locations Complete berm & outlet Discharge to surface wa Structurally sound Capacity calculations Dewatering calculations	details ters or approved	Cleanout alternative	information	D D&N D D&N N N
Sediment Traps	Discharge to surface wa Capacity information	ters or approved	alternative scharge calculat		D D&N D N
Inlet Protection	Design Calculations	·			Ν
D N	Locations <u>D</u> Complete D ccify) <u>Compost Filter Sock</u> Locations <u>D</u> Complete D Design Calculations	S			D D N
Temporary Stabil Seed Types <u>D</u> Rates <u>D</u>		rtilizer M D D	ulch Oth	ners	D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

N	Project construction wastes are identified	Ν
D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

N	Potential for geologic or soil conditions to cause pollution during construction is addressed	Ν
D	Instructions for proper handling and/or disposal of all materials which could cause pollution	
	are provided	D
<u>D</u>	Typical details are provided for proper handling and/or disposal of all such materials	D
N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	N
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

D&N	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
D&N	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"

ATTACHMENT 2.7.4 COMPRESSOR STATION 515

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Compressor Station 515

Project: Regional	Energy Access Expansion Project	
Project Name: Re	egional Energy Access Expansion Project - Compressor Station 515	
Date: 04/05/2021		
Item Location:	D = E Drawings, $N = E$ Narrative, D N = Drawings and Narrative	
Check that the fol	lowing items are completed in the E&S Plan. If an item is not applicable write N/A.	
	hall be prepared by a person trained and experienced in E&S control methods and te size and scope of the project being designed"	echniques
Name <u>Kevin C. C</u>		
Telephone No. (8	14)-238-2060	D&N
"The existing top	oographic features of the project site and the immediate surrounding area"	
D	Legible mapping	D
D	Existing contours	D
D	Type of cover	D
D	Existing improvements, i.e. roads, buildings, utilities, etc.	D
D	Sufficient surrounding area	D
D	Complete mapping symbols legend and north arrow	D
<u>D&N</u>	Location map, i.e. USGS	D or N
"The types, dept	h, slope, locations and limitations of the soils"	
D&N	Types, slopes, and locations of soil types	D
D&N	Soil type use limitations and resolutions	Ν
D&N	Hydric soils	Ν
	tics of the earth disturbance activity, including the past, present, and proposed land eration to the project site"	uses and
D	Proposed boundary and limits of construction	D
D	Proposed contours/grades	D
D	Proposed waterways and stormwater management facilities	D
D	Proposed improvements, i.e., roads, buildings, utilities, etc.	D
<u>N</u>	Past, present and proposed land uses	Ν
"The volume and	I rate of runoff from the project area and its upstream watershed area"	
D	Maximum during construction drainage areas	D
D&N	Offsite drainage area(s) on USGS quadrangle map	Ν
D&N	Discharge analysis provided for non-surface water discharges	Ν
	f all surface waters of this Commonwealth which may receive runoff within or from t assification under Chapter 93"	he project
D	Existing streams, wetlands, floodway, etc.	D
D&N	Receiving watercourses	D
D&N	Chapter 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided in t	he narrative			Ν
				ing of earth disturbance acti functioning of all BMPs"	vities, prior
D D D	Activities planned to limi	t exposed areas	MP installation		D D D
"Supporting cal	culations and measuren	nents" and "Pla	n Drawings"		
Stabilized Construct	uction Entrance Locations <u>D</u>	Complete	Details		D
Silt Fencing	Locations	Slope Leng	ıth	Complete Details	D
Channels	Locations Draina Contours and Grades Peak flow calculations Protective lining calculat			ails freeboard calculations	D D N N
Sediment Basins	Locations Complete berm & outlet Discharge to surface wa Structurally sound Capacity calculations Dewatering calculations	details ters or approved	Cleanout alternative	information	D D&N D D&N N N
Sediment Traps	Discharge to surface wa Capacity information	ters or approved	alternative scharge calculat		D D&N D N
Inlet Protection	Design Calculations	·			Ν
D N	Locations <u>D</u> Complete D ccify) <u>Compost Filter Sock</u> Locations <u>D</u> Complete D Design Calculations	S			D D N
Temporary Stabil Seed Types <u>D</u> Rates <u>D</u>		rtilizer M D D	ulch Oth	ners	D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

N	Project construction wastes are identified	Ν
D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

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D	Instructions for proper handling and/or disposal of all materials which could cause pollution	
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N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	N
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

D&N	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
D&N	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"

ATTACHMENT 2.7.5 DELAWARE RIVER REGULATOR

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Delaware River Regulator

Project: Regional Energy	Access Expansion Project	
Project Name: Regional I	Energy Access Expansion Project - Delaware River Regulator	
Date: 04/05/2021		
Item Location: D = E&	S Drawings, $N = E$ &S Narrative, D&N = Drawings and Narrative	
Check that the following it	ems are completed in the E&S Plan. If an item is not applicable write N/A.	
	prepared by a person trained and experienced in E&S control methods and t ad scope of the project being designed"	echniques
Name <u>Kevin C. Clark</u>	Address 2525 Green Tech Drive, Suite D, State College, PA-16803	
Telephone No. (814)-238	3-2060	D&N
"The existing topograph	nic features of the project site and the immediate surrounding area"	
DLegibl	le mapping	D
	ng contours	D
D Type	of cover	D
D Existir	ng improvements, i.e. roads, buildings, utilities, etc.	D
D Suffici	ient surrounding area	D
D Comp	lete mapping symbols legend and north arrow	D
D&N Locati	ion map, i.e. USGS	D or N
"The types, depth, slope	e, locations and limitations of the soils"	
<u>D&N</u> Types	s, slopes, and locations of soil types	D
D&N Soil ty	pe use limitations and resolutions	Ν
<u>D&N</u> Hydric	c soils	Ν
"The characteristics of t the proposed alteration	the earth disturbance activity, including the past, present, and proposed land to the project site"	l uses and
D Propo	sed boundary and limits of construction	D
	sed contours/grades	D
	sed waterways and stormwater management facilities	D
D Propo	sed improvements, i.e., roads, buildings, utilities, etc.	D
N Past,	present and proposed land uses	Ν
"The volume and rate of	f runoff from the project area and its upstream watershed area"	
D Maxim	num during construction drainage areas	D
	e drainage area(s) on USGS quadrangle map	N
<u>D&N</u> Discha	arge analysis provided for non-surface water discharges	Ν
	face waters of this Commonwealth which may receive runoff within or from t ation under Chapter 93"	he project
<u>D</u> Existir	ng streams, wetlands, floodway, etc.	D
<u>D&N</u> Receiv	ving watercourses	D
D&N Chapt	er 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided ir	n the narrative			Ν
				eduling of earth disturbance act oper functioning of all BMPs"	ivities, prior
D D D	Complete and site spe Activities planned to lir Removal of temporary	nit exposed area		lion	D D D
"Supporting cal	lculations and measure	ements" and "P	lan Drawings	33	
Stabilized Constr D	ruction Entrance Locations <u>D</u>	Comple	te Details		D
Silt Fencing	Locations	Slope Le	ngth	Complete Details	D
Channels	Locations Dra Contours and Grades Peak flow calculations Protective lining calcul			details and freeboard calculations	D D N N
Sediment Basins	Locations Complete berm & outle Discharge to surface w	et details /aters or approve [Clear d alternative	nout information	D D&N D D&N N N
Sediment Traps	Complete berm & outle Discharge to surface w Capacity information _	et details aters or approve	d alternative Discharge cal	Drainage Areas Cleanout information culations	D D&N D N
Inlet Protection	Locations Design Calculations	Comple	ete Details		D N
	Locations	Comple	ete Details		D
Other BMPs (spe D N	ecify) <u>Compost Filter Soc</u> Locations <u>D</u> Complete Design Calculations				D N
Temporary Stabi Seed Types <u>D</u> Rates <u>D</u>	Lime I D	D <u>[</u>	Mulch D	Others	D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

N	Project construction wastes are identified	Ν
D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

N	Potential for geologic or soil conditions to cause pollution during construction is addressed	Ν
D	Instructions for proper handling and/or disposal of all materials which could cause pollution	
	are provided	D
<u>D</u>	Typical details are provided for proper handling and/or disposal of all such materials	D
N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	Ν
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

<u>N/A</u>	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
N/A	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"

ATTACHMENT 2.7.6 MAINLINE A REGULATOR

STANDARD E&S CONTROL PLAN TECHNICAL REVIEW CHECKLIST Mainline A Regulator

Project: <u>Regional</u>	Energy Access Expansion Project	
Project Name: Re	egional Energy Access Expansion Project - Mainline A Regulator	
Date: 04/05/2021		
Item Location:	D = E&S Drawings, N = E&S Narrative, D&N = Drawings and Narrative	
Check that the fol	lowing items are completed in the E&S Plan. If an item is not applicable write N/A.	
	hall be prepared by a person trained and experienced in E&S control methods and t size and scope of the project being designed"	echniques
Name <u>Kevin C. C</u>		
Telephone No. (8	14)-238-2060	D&N
"The existing top	oographic features of the project site and the immediate surrounding area"	
D	Legible mapping	D
D	Existing contours	D
D	Type of cover	D
D	Existing improvements, i.e. roads, buildings, utilities, etc.	D
D	Sufficient surrounding area	D
D	Complete mapping symbols legend and north arrow	D
D&N	Location map, i.e. USGS	D or N
"The types, dept	h, slope, locations and limitations of the soils"	
D&N	Types, slopes, and locations of soil types	D
D&N	Soil type use limitations and resolutions	Ν
D&N	Hydric soils	Ν
	tics of the earth disturbance activity, including the past, present, and proposed land eration to the project site"	l uses and
D	Proposed boundary and limits of construction	D
D	Proposed contours/grades	D
D	Proposed waterways and stormwater management facilities	D
D	Proposed improvements, i.e., roads, buildings, utilities, etc.	D
Ν	Past, present and proposed land uses	Ν
"The volume and	I rate of runoff from the project area and its upstream watershed area"	
D	Maximum during construction drainage areas	D
D&N	Offsite drainage area(s) on USGS quadrangle map	Ν
D&N	Discharge analysis provided for non-surface water discharges	Ν
	f all surface waters of this Commonwealth which may receive runoff within or from t assification under Chapter 93"	he project
D	Existing streams, wetlands, floodway, etc.	D
D&N	Receiving watercourses	D
D&N	Chapter 93 classification of streams or other water bodies	Ν

<u>N</u>	Description provided in the r	narrative		Ν
			heduling of earth disturbance activ roper functioning of all BMPs"	vities, prior
D D D	Activities planned to limit ex	posed areas	lation	D D D
"Supporting cal	culations and measuremen	ts" and "Plan Drawing	js"	
Stabilized Constr D	uction Entrance Locations <u>D</u>	Complete Details		D
Silt Fencing	Locations	_ Slope Length	Complete Details	D
Channels	Locations Drainage Contours and Grades Peak flow calculations Protective lining calculations	CompleComple	te details y and freeboard calculations	D D N N
Sediment Basins	Locations Complete berm & outlet deta Discharge to surface waters Structurally sound Capacity calculations Dewatering calculations	ails Cle or approved alternative	anout information	D D&N D D&N N N
Sediment Traps	Locations Complete berm & outlet deta Discharge to surface waters Capacity information	or approved alternative		D D&N D N
Outlet Protection	Locations Design Calculations	Complete Details		D N
Inlet Protection	Locations	Complete Details		D
Other BMPs (spe D N	cify) <u>Compost Filter Socks</u> Locations <u>D</u> Complete Deta Design Calculations	ils		D N
Temporary Stabi Seed Types <u>D</u> Rates D	lization Lime Fertiliz D D	zer Mulch <u>D</u> D	Others	D D

D		Topsoil replacement				D
Types Rates	Seed <u>D</u> D	Lime D D	Fertilizer <u>D</u> D	Mulch <u>D</u> D	Others	D D

"A maintenance program, which provides for the operation and maintenance of BMPs and the inspection of BMPs on a weekly basis and after each stormwater event, including the repair or replacement of BMPs to ensure effective and efficient operation. The program must provide for completion of a written report documenting each inspection and all BMP repair, or replacement and maintenance activities"

D D&N D	Inspection schedule Maximum sediment storage elevation/level in BMPs Time frames for completing specific maintenance and repairs for each type of BMP	D D
<u> </u>	Proposed	D
D	Site stabilization repair parameters and directions	D
D	Disposal directions for sediment removed from BMPs	D
D	Note provided requiring written documentation of inspection & repair/replacement	
	of BMPs by contractor	D

"Procedures which ensure that the proper measures for the recycling or disposal of materials associated with or from the project site will be undertaken in accordance with this title"

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D	Directions for recycling/disposal of construction wastes	D
N/A	Soil/rock disposal areas provided with BMPs	D

"Identification of natural occurring geologic formations or soil conditions that may provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formations"

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	are provided	D
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N/A	The locations of all such materials are clearly shown on the plan maps	D

"Identification of the potential thermal impacts to surface waters of this Commonwealth from the earth disturbance activity including BMPs to avoid, minimize or mitigate potential pollution from thermal impacts"

N	Analysis of how thermal impacts associated with the project will be avoided is provided	N
D&N	If impacts cannot be avoided, impacts are minimized and BMPs provided to mitigate	
	impacts and protect and maintain surface water quality	D&N

"The E&S Plan shall be planned, designed, and implemented to be consistent with the PCSM Plan under § 102.8 (relating to PCSM requirements). Unless otherwise approved by the Department, the E&S Plan must be separate from the PCSM Plan and labeled "E&S" or "Erosion and Sediment Control Plan" and be the final plan for construction"

<u>N/A</u>	Overall plan supports the managing of stormwater for erosion and sediment control during	
	earth disturbance activities	D&N
N/A	BMPs are compatible with and can be integrated into structural and non-structural PCSM	
	Practices	D&N

"Identification of existing and proposed riparian forest buffers"