



Outfall #17 of UNT #1 to the Monongahela River along Grand Boulevard

18" RCP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>018</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 08' 39.85"</b>
	Longitude: <b>79° 52' 47.58"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>18</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    *If Yes, provide a description below.*

Does the dry weather flow contain an odor?     Yes     No    *If Yes, provide a description below.*

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
*If Yes, provide a description below.*

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
*If Yes, provide a description below.*

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLCIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT #1 to the Monongahela River along Grand Boulevard. Trickle flow during inspection. Pipe is located at the toe of wooded slope and carries stormwater flow from Shaw Drive and outlets into the stream channel. Mild erosion at the outfall. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Grand Boulevard and place rock stabilization at outfall.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.

Responsible Official Name

412-257-8774



Signature

June 28, 2018

Telephone No.	Date
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Outfall #18 of UNT #1 to the Monongahela River along Grand Boulevard

18" CMP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>019</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 08' 39.68"</u>
	Longitude: <u>79° 52' 48.09"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <u>16</u> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

**Whitish discharge in flow, along with benthic growth in pipe and outfall**

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

**Potential illicit discharge that will need further testing**

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT #1 to the Monongahela River along Grand Boulevard. Trickle flow during inspection. Pipe is located within concrete wall along Grand Boulevard. Pipe carries stormwater flow from Plaza parking lot and outlets into the stream channel. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Grand Boulevard and further testing of flow.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.

Responsible Official Name

412-257-8774



Signature

June 28, 2018

Telephone No.	Date
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Outfall #19 of UNT #1 to the Monongahela River along Grand Boulevard

16" RCP (potential illicit discharge)

# **UNT#2 to the Monongahela River Outfall Screening Reports**



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>4/26/18</b>	Outfall ID No.: <b>001</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 13.74"</b>
	Longitude: <b>79° 51' 55.93"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>4/24/18</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Amount of Previous Precipitation: <b>0.04 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>18</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

**White precipitate within water from upstream mine drainage along Tyrol Boulevard**

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No

If Yes, provide a description below.  
**White precipitate at outfall, but quickly dissipates once introduced to other water downstream**

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No

If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

**Mine drainage upstream of outfall along Tyrol Boulevard**

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

**Contacted DEP Mining office to develop a course of action. A Hydrodynamic separator planned for this area under the approved Pollution Reduction Plan.**

Inspector Comments:

**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. Steady to moderate flow during inspection. Flow is attributed to natural springs and mine drainage feeding the stormwater lines along Tyrol Boulevard. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Tyrol Boulevard.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



Outfall #1 of UNT #2 to the Monongahela River along Tyrol Boulevard

18" CMP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>002</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 13.74"</b>
	Longitude: <b>79° 51' 55.93"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>12</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. No flow during inspection. Pipe carries stormwater flow from Tyrol Boulevard and outlets into the stream channel. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Tyrol Boulevard.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



Outfall #2 of UNT #2 to the Monongahela River along Tyrol Boulevard

12" CPP





## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>003</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 14.81"</b>
	Longitude: <b>79° 51' 55.90"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>36</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. No flow during inspection. Pipe carries stormwater flow from Rostraver Apartments and outlets into the stream channel. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



Outfall #3 of UNT #2 to the Monongahela River along Tyrol Boulevard

36" RCP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>004</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 13.74"</b>
	Longitude: <b>79° 51' 55.93"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Amount of Previous Precipitation: <b>0.66 in</b>
	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

**Orange precipitate within water from upstream mine drainage along Tyrol Boulevard**

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No

If Yes, provide a description below.

**Orange precipitate at outfall, but quickly dissippates once introduced to other water downstream**

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No

If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLCIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

**Mine drainage upstream of outfall along Tyrol Boulevard**

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

**Contacted DEP Mining office to develop a course of action.**

Inspector Comments:

**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. Steady flow during inspection. Flow is attributed to natural springs and mine drainage feeding the stormwater lines along Tyrol Boulevard. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Tyrol Boulevard.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



Outfall #4 of UNT #2 to the Monongahela River along Tyrol Boulevard

24" RCP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>005</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 18.90"</b>
	Longitude: <b>79° 51' 59.86"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    *If Yes, provide a description below.*

Does the dry weather flow contain an odor?     Yes     No    *If Yes, provide a description below.*

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
*If Yes, provide a description below.*

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
*If Yes, provide a description below.*

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. No flow during inspection. Origin of pipe undetermined and located in Rostraver Township. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles to make more visible from Tyrol Boulevard.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date





Outfall #5 of UNT #2 to the Monongahela River along Tyrol Boulevard

24" RCP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>006</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 09' 20.35"</b>
	Longitude: <b>79° 52' 1.71"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>18</b> in	<input type="checkbox"/> In Water <input checked="" type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLCIT DISCHARGES**

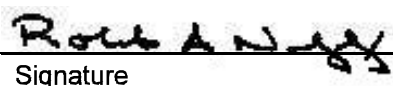
Is the dry weather flow an illicit discharge?  Yes  No  
If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:  
**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. No flow during inspection. Pipe outfall located behind riprap dumped along roadway to stabilize channel. Pipe carries stormwater flow from Tyrol Boulevard and outlets into the stream channel. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Tyrol Boulevard.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.	
Responsible Official Name	Signature
412-257-8774	June 28, 2018

Telephone No.	Date
---------------	------



Outfall #6 of UNT #2 to the Monongahela River along Tyrol Boulevard  
18" RCP (covered with riprap)



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>June 26, 2018</b>	Outfall ID No.: <b>007</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <u>40° 09' 23.81"</u>
	Longitude: <u>79° 52' 6.95"</u>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>6/22/18</b>
	Amount of Previous Precipitation: <b>0.66 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input checked="" type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:


**Outlets to the UNT #2 to the Monongahela River along Tyrol Boulevard. Unable to determine if flow was present during inspection, but no upstream flow present. Pipe outfall not clearly visible due to heavy sediment and garbage deposition in the area. Pipe carries stormwater flow from Tyrol Boulevard and outlets into the stream channel. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along Tyrol Boulevard. City needs to remove sediment and debris from both inlet and outlet of pipe.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.

Responsible Official Name

  
Signature

412-257-8774	June 28, 2018
Telephone No.	Date





Outfall #7 of UNT #7 to the Monongahela River along Tyrol Boulevard  
24" RCP (submerged in water/sediment at toe of slope)

# **UNT to Speers Run Outfall Screening Reports**



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>4/26/18</b>	Outfall ID No.: <b>001</b>
Land Uses in Outfall Drainage Area (Select All): <input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 08' 14.31"</b>
	Longitude: <b>79° 52' 25.13"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>4/24/18</b>
	Amount of Previous Precipitation: <b>0.03 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT to Speers Run along State Road. Pipe is outfall of the stormwater detention facility of the Monessen High School. No flow during inspection. Mild erosion at the outfall. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with flagging to make more visible and install additional stone outfall protection.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>4/26/18</b>	Outfall ID No.: <b>002</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 08' 13.73"</b>
	Longitude: <b>79° 52' 27.00"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>4/24/18</b>
	Amount of Previous Precipitation: <b>0.04 in</b>
Inspector Name(s): <b>John M. Casagranda and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>24</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.

Were sample(s) collected of the dry weather flow?  Yes  No (If Yes, No. Samples: \_\_\_\_\_)

**FIELD / LABORATORY ANALYSIS**

PARAMETER	RESULTS	UNITS	PARAMETER	RESULTS	UNITS
Flow Rate		GPM	Fecal Coliform		No./100 mL
pH		S.U.	COD		mg/L
Total Residual Chlorine (TRC)		mg/L	BOD5		mg/L
Conductivity		µmhos/cm	TSS		mg/L
Ammonia-Nitrogen		mg/L	TDS		mg/L
Other: _____			Oil and Grease		mg/L
Other: _____			Other: _____		

Indicate the parameters above that were analyzed by a DEP-certified laboratory:

**ILLICIT DISCHARGES**

Is the dry weather flow an illicit discharge?  Yes  No

If Yes, describe efforts made to determine the source(s) of the illicit discharge.

Describe corrective actions taken by the permittee in response to the finding of an illicit discharge.

Inspector Comments:

**Outlets to the UNT to Speers Run along State Road near intersection with Pennsylvania Boulevard. Small trickle flow during inspection. Recommend performing future inspections in the spring prior to heavy foliage and marking the location of the outlet pipe with paint or PennDOT approved delineator paddles along State Road.**

**RESPONSIBLE OFFICIAL CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Robert A. Nedzesky, P.E.



Responsible Official Name

Signature

412-257-8774

June 28, 2018

Telephone No.

Date



Outfall #2 of UNT to Speers Run along State Road

24" RCP



## MS4 OUTFALL FIELD SCREENING REPORT

### BACKGROUND INFORMATION

Permittee Name: <b>City of Monessen</b>	NPDES Permit No.: <b>PAG136283</b>
Date of Inspection: <b>4/26/18</b>	Outfall ID No.: <b>003</b>
Land Uses in Outfall Drainage Area (Select All): <input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Suburban Residential <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Other:	Latitude: <b>40° 08' 8.91"</b>
	Longitude: <b>79° 52' 29.11"</b>
	Dry Weather Inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Date of Previous Precipitation: <b>4/24/18</b>
	Amount of Previous Precipitation: <b>0.04 in</b>
Inspector Name(s): <b>Robert A. Nedzesky, P.E. and Adam D. Polachek</b>	Were Photographs Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Are Photographs Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

### OUTFALL DESCRIPTION

TYPE	MATERIAL	SHAPE	DIMENSIONS	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other <input type="checkbox"/> Other	Diameter: <b>18</b> in	<input type="checkbox"/> In Water <input type="checkbox"/> With Sediment
<input type="checkbox"/> Open Channel	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other	Depth: _____ in Top Width: _____ in Bottom Width: _____	

Dry Weather Flow Present at Outfall During Inspection?     Yes     No    *(If No, skip to Certification Section)*

Description of Flow Rate:     Trickle     Moderate     Significant     N/A

### DRY WEATHER FLOW EVALUATION

Does the dry weather flow contain color?     Yes     No    If Yes, provide a description below.

Does the dry weather flow contain an odor?     Yes     No    If Yes, provide a description below.

Is there an observed change in the receiving waters as a result of the discharge?     Yes     No  
If Yes, provide a description below.

Does the dry weather flow contain floating solids, scum, sheen or substances that result in deposits?     Yes     No  
If Yes, provide a description below.