
To: Thomas Burrell (PA Fish and Boat Commission (PAFBC)) Telephone: 717-705-7838

From: Michael Egan (Tt)

Date: October 4, 2016

Subject: Sunoco Mariner East Phase 2 – Water Crossings-Aid To Navigation Plan Requirement- Response to PADEP Comments

A call was placed to Mr. Burrell regarding the requirement or need to prepare a Aids-To-Navigation (ATON) plan and the types of water bodies that are required to be covered by the plan. The project was described to Mr. Burrell as performing horizontal directional drilling underneath water bodies utilizing a six gauge cable to aid in guiding the drilling direction. The cable will span the water body either suspended off the bottom or resting on the bottom, and could potentially span the waterway above the water for a period of time. The following questions were asked and Tt's interpretation of Mr. Burrell's replies are shown:

Will an ATON plan be required for this activity? Varies project by project. Depends what waterway it is on and if it impedes the flow of traffic. Three ways to define recreational waterways 1) Navigable (federal large bodies, ATON is required) (state legal definition where the river was used as a highway, can be deceptively small, hard to research which water bodies are included; 2) There are twenty seven "water trails" that are listed by PA that would require an ATON; 3) Waterways defined in the book, Keystone Canoeing (Edward Gertler 1993), these waterways can be very small and this book may be the more encompassing definition of a recreational waterway.

Small lakes on private property an ATON is not required. If public access is available then an ATON plan is required. If it is a stream and there is public access upstream then an ATON plan is required, if the access is downstream an ATON may not be required.

Mr. Burrell offered to look at a list of waterway crossings with the County, the nearest highway crossing, and township identified. From the list he can classify the type of waterway as to whether it needs an ATON and if so, what type of signage, buoys, or other measures need to be used for that particular class of waterway. Some specificity may be required within each class of waterway.

Can a single ATON be prepared that covers all impacted waters? Generally they prepare individual plans for each waterway, however for this type of project if they know the waterbodies of concern they (Mr. Burrell) could group the waterways into classifications and the type of navigation aids that would need to be utilized for each. After his determination of the classification, Tt could prepare the plan using a format that the PAFBC prefers.

Are there standards or templates available for what the a ATON plan needs to contain and the suggested format? Yes, see above question.

Do the specific water bodies where the plan applies need to be listed or can the types of navigation aids to be used be specified based on the type of water body being impacted?

Smaller streams may just need signs. Larger waterways may require buoys and potentially require temporary closure during certain activities. Mr. Burrell made it sound like each water body needs to be individually listed. However, it may be possible to group waterbodies together by their classification and list the aids to be used on each. It is possible that some more significant waterways may require more individual descriptions of aids to be used.

Action Items:

Prepare list of waterways where HDD crossing is to occur with the County, the nearest highway crossing, and township identified. If possible, include coordinate of locations. Send to Mr. Burrell.

Further Correspondance

****PAFBC approved list of waterbodies requiring ATONS, attached to this Contact Report****

Baird, Josh

From: Egan, Mike
Sent: Friday, December 02, 2016 1:23 PM
To: Baird, Josh
Subject: FW: Waterway ATON Classification - Mariner 3 Pipeline Project

From: Burrell, Thomas [mailto:tburrell@pa.gov]
Sent: Thursday, October 13, 2016 1:52 PM
To: Egan, Mike <Mike.Egan@tetrattech.com>
Subject: RE: Waterway ATON Classification - Mariner 3 Pipeline Project

Correction – the joint waters are PURPLE. I had changed from orange because it was not visible in that color.

Thomas J Burrell, Captain
Waterways Conservation Officer Manager
Pa Fish & Boat Commission
PO Box 67000 Harrisburg Pa 17106
717-705-7838

From: Egan, Mike [mailto:Mike.Egan@tetrattech.com]
Sent: Thursday, October 13, 2016 3:48 PM
To: Burrell, Thomas
Subject: Re: Waterway ATON Classification - Mariner 3 Pipeline Project

Captain Burrell,
To verify my observation of the returned spreadsheet, there are no joint jurisdictional waterways listed? Are you available for a telephone conversation tomorrow morning around 8:30 am.
Regards,
Mike Egan
TetraTech, Inc.

Sent from my iPhone

On Oct 13, 2016, at 1:51 PM, Burrell, Thomas <tburrell@pa.gov> wrote:

Mr. Egan,

I have reviewed the list you supplied and marked it as follows:

RED – No ATON Plan Required

BLUE- ATON Plan will be required

Orange – Joint Jurisdiction water, ATON Plan will be required. ATON may also require US Coast Guard Permit

If you have any question please feel free to contact me.

Thomas J Burrell, Captain
Waterways Conservation Officer Manager
Pa Fish & Boat Commission
PO Box 67000 Harrisburg Pa 17106
717-705-7838

From: Egan, Mike [<mailto:Mike.Egan@tetrattech.com>]
Sent: Tuesday, October 11, 2016 12:12 PM
To: Burrell, Thomas
Cc: Baird, Josh
Subject: Waterway ATON Classification - Mariner 3 Pipeline Project

Capt. Burrell,

Please find attached a spreadsheet and kmz file of waterways that may require the preparation of an ATON plan covering temporary horizontal directional drilling (HDD) operations. The kmz file will open in Google Earth. Feel free to modify the spreadsheet as needed to capture your input. As I previously mentioned on our telephone call last week, the HDD operation may require the spanning of waterways with a cable used to provide directional guidance for the drilling. It is possible that during the placement of the cable, it may be located at or near the water surface and support watercraft may be used to place and remove the cable.

Due to the short time frame we are under to respond to permit adequacy issues your prompt assistance with this classification is greatly appreciated. I will call you today to see if your department has a ATON plan format or a previously prepared example that I can begin building out for this project, in anticipation of receiving your input on the waterway classification. Thank you for your assistance with this important project.

Regards,

Michael M. Egan, P.G. | Permit Coordinator

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Stream ID	Stream Name	Flow Regime	Width	Cross Road	County	USACE District	PADEP Region
S121	Monongahela River	Perennial	782	Hayden Blvd	Allegheny	Pittsburgh	Southwest
S-J55	Conemaugh River	Perennial	250	W Penn Trail	Indiana	Pittsburgh	Southwest
S199	Brush Creek	Perennial	35	Penn Adamsburg Rd	Westmoreland	Pittsburgh	Southwest
S122	Youghiogheny River	Perennial	400	Hwy 136	Westmoreland	Pittsburgh	Southwest
S-L77	Frankstown Branch Juniata River	Perennial	60	White bridge Rd	Blair	Baltimore	Southcentral
S-M31	Frankstown Branch Juniata River	Perennial	150	Juniata Valley Rd	Blair	Baltimore	Southcentral
S-BB48	Juniata River	Perennial	85	W Loop Rd	Blair	Baltimore	Southcentral
S-B70	Swatara Creek	Perennial	200	I-76	Dauphin	Baltimore	Southcentral
S-A22	Susquehanna River	Perennial	1	I-76	Dauphin	Baltimore	Southcentral
S-L29	Aughwick Creek	Perennial	200	Aughwick Mills Rd	Huntingdon	Baltimore	Southcentral
S-L28	Aughwick Creek	Perennial	20	Aughwick Mills Rd	Huntingdon	Baltimore	Southcentral
S-K74	Tuscarora Creek	Perennial	90	Cross Keys Rd	Juniata	Baltimore	Southcentral
S-K35	Cocalico Creek	Perennial	12	Pin Tail Drive	Lancaster	Baltimore	Southcentral
S-I36	Yellow Breeches Creek	Perennial	100	I-76	York	Baltimore	Southcentral
S-H30	Chester Creek	Perennial	10	E Boot Rd	Chester	Philadelphia	Southeast
S-H41	Chester Creek	Perennial	100	Duttons Mill Rd	Delaware	Philadelphia	Southeast
S-H37	Chester Creek	Perennial	100	Hwy 3020	Delaware	Philadelphia	Southeast