Water Quality Monitoring Plan for the New NY Bridge Project

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Prepared by

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Attachments

Attachment A. Visual Observation Forms

1.0 Introduction

The New York State Department of Environmental Conservation Permit DEC ID 3-9903-00043/00012 (NYSDEC Permit) and subsequent modifications through and including July 3, 2014 letter from NYSDEC for the Tappan Zee Hudson River Crossing Project (Project) sets forth the requirements for water quality monitoring during construction. This Water Quality Monitoring Plan reflects these requirements and meets the Environmental Performance Commitments (EPCs) identified in the Final Environmental Impact Statement (FEIS). The Water Quality Monitoring Plan is described in the sections below.

2.0 Monitoring Objectives

The overall objective of this program is to monitor construction activities for total suspended solids (TSS) and contaminants via the collection and analysis of whole water samples or for turbidity through visual inspection as described in Table 1.

Table 1. Water Quality Monitoring Required by Construction Activities Associated with the Tappan Zee Hudson River Crossing Project

Construction Activity	Water Quality Monitoring
Pile Driving Operations in Zone C	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone during pile driving operations; collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone daily (every day the activity occurs) at the start of pile driving, once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval: Reduced to daily visual monitoring for turbidity extending beyond the 500-ft mixing zone during pile driving operations.
Pile Driving Operations Outside Zone C	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone during pile driving operations.
Pile Dewatering	Daily visual monitoring for turbidity in the vicinity of the pump discharge during pile dewatering.
Cofferdam Construction	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone during sheet pile driving. Daily visual monitoring for turbidity extending beyond 500-ft mixing zone during construction within the cofferdam.
Cofferdam Dewatering	Daily visual monitoring for turbidity in the vicinity of the pump discharge during cofferdam dewatering.
Dredging and Bottom Profiling	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone; collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone daily (every day the activity occurs) at the start of the dredging, once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval: Reduced to daily visual monitoring for turbidity extending beyond 500-ft mixing zone; collection of whole water samples for TSS twice per week or twice per every seven days dredging occurs;

Construction	Water Quality Monitoring
Activity	
Dredging of East Sediment Mound #3 and Dredging of Stage 2 Access Area	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone; collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone daily (every day the activity occurs) at the start of the dredging, once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval: Reduced to daily visual monitoring for turbidity extending beyond 500-ft mixing zone;
D	collection of whole water samples for TSS twice per week or twice per every seven days dredging occurs;
Barge Decanting	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone; Collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone daily (every day the activity occurs) at the start of barge decanting, once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval: Reduced to daily visual monitoring for turbidity extending beyond 500-ft mixing zone.
Dredged Area Armoring	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone; Collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone daily (every day the activity occurs) at the start of dredged area armoring, once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval:
	Reduced to daily visual monitoring for turbidity extending beyond 500-ft mixing zone.
Drilled Shafts	Daily visual monitoring for visible turbidity extending beyond the turbidity curtain secured to the floating cofferdam; In the event a visible plume beyond the turbidity curtain is observed, collection of whole water samples for TSS and contaminants for compliance with WQ Standards Permit
	Condition 60, 61, and 64 collected at the nearest practicable distance from the turbidity curtain.
Drilled Shaft Barge Decanting	Whole water samples are only required in the event a plume is observed Daily visual monitoring for visible turbidity extending beyond the turbidity curtain; Collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the nearest practicable distance from a turbidity curtain daily (every day the activity occurs) at the start of decanting once during the flood or once during the ebb tide stage as the activity and tidal stages provide. Per NYSDEC approval: Reduced to daily visual monitoring for visible turbidity extending beyond the turbidity curtain.
Bridge Demolition (subsurface pile, cofferdam, and debris field removal) and Other Activities that may	Daily visual monitoring for turbidity extending beyond 500-ft mixing zone or at the nearest practicable distance outside of a silt curtain should one be used; Collection of whole water samples for TSS and contaminants for compliance with WQ Standard Permit Condition 60, 61, and 64 at the edge of a 500-foot mixing zone or at the nearest practicable distance from a silt curtain, should one be used, within the first five days or tide stages of monitoring. The NYSDEC may specify water quality monitoring requirements that differ from those listed in conditions 59 through 67 to reflect the details of the demolition plans or for other activates that may suspend bottom sediments. Per NYSDEC approval:
Resuspend Bottom Sediments	Reduced to daily visual monitoring for turbidity extending beyond 500-ft mixing zone; Collection of whole water samples for TSS twice per week or twice per every seven days the activity occurs following the first five days or tide stages of whole water sample collection.

3.0 Methods

Water quality monitoring methods will vary based on in-water construction activity (i.e. visual observation or vessel based whole water sample collection). Based on the width of the Hudson River and hydrodynamics in the area, multiple activities can be monitored or sampled each day with one survey crew. If all activities can not be monitored or sampled by a single crew, additional crews or vessels will be used as necessary.

The sections below describe the methods for the water quality monitoring plan.

3.1 Visual Observations

Visual observations of activities will be conducted by a barge-based or vessel-based observer during the activities identified in Table 1.

An observation of turbidity that extends beyond the 500-ft mixing zone or in the vicinity of the construction activity, as specified in Table 1, will be reported immediately to the Environmental Compliance Manager (ECM) or designee who will then inform NYSTA, OECM, and NYSDEC. The ECM or designee will immediately coordinate with Tappan Zee Constructors, LLC. (TZC) operations to implement corrections actions as to comply with water quality standards.

Visual observations will be documented on one or more field forms (Attachment A). Observations forms include but are not limited to:

- Environmental Checklists (ENV CL)
- Field Compliance Reports (FCR)
- Visual Inspection Forms (VIF)

If an exceedance is reported during reduced monitoring for an activity listed in Table 1 then additional monitoring will be implemented as specified in Section 3.3.

3.2 Vessel Based Whole Water Samples

Vessel-based water quality monitoring will be conducted for activities as specified in Table 1. TSS and contaminant whole water samples will be collected during either the flood or ebb tide stage during daylight hours. Water quality monitoring via whole water sample collection will be conducted daily for each activity.

Daily visual observations as described in Section 3.1 will continue through the duration of activities described in Permit Condition 59. If there is an exceedance of 100 mg/l above ambient TSS value or the observation of turbidity extending beyond 500-ft mixing zone, then corrective actions will be taken and the NYSDEC will be consulted to determine if additional monitoring is required. The NYSTA and OECM will notify NYSDEC to any corrective actions implemented. Vessel-based monitoring may be temporarily suspended due to weather or other safety concerns. If monitoring is temporarily suspended NYSTA and OECM will be notified who will inform the NYSDEC. Conditions resulting in suspension of monitoring due to weather or other safety concerns will be documented in the reports described in Section 4.1 and 4.3.

3.2.1 In-Plume (Downcurrent)

In-plume surveys will be collected at the edge of the 500-ft mixing zone, or at the nearest practicable proximity to a silt curtain, if one is used. An Acoustic Doppler Current Profiler (ADCP) will be used to identify the plume. An Optical Backscatter Sensor (OBS) configured to record turbidity (NTU), depth (meters), temperature (°C) and salinity (ppt) will be mounted to a submersible pump and used to collect vertical profiles at water sample station locations. Simultaneously, the pump will be used to collect discrete whole water samples at separate depths for laboratory analysis of TSS and contaminants. When water depth is less than 10 feet only mid-depth samples will be collected. When water depth is between 10 and 20 feet samples will be taken from near-surface and near-bottom. When water depth is greater than 20 feet samples will be taken from near-surface, mid-depth, and near-bottom. Near-surface samples will be collected from approximately three feet below the surface, mid-depth will be collected approximately half-way between the bottom and surface and bottom samples from approximately three feet above the bottom. The water samples will be preserved at 4° C and sent to the laboratory for analysis under full Chain-of-Custody protocols.

3.2.2 Background (Upcurrent)

In addition to in-plume surveys, ambient surveys will be conducted using the same methods and procedures described above. Ambient surveys will be conducted along a transect a minimum of 500-ft up current of the source to provide data for comparison with the in plume surveys. This transect will be conducted at a location up current of the source where the water quality effects of the project are no longer discernible. Samples will be collected in the same manner as the in-plume surveys.

3.2.3 Contaminant Analyses

To obtain measurements of water quality within the water column, whole water samples will be collected per Section 2.0 during each survey at the upcurrent and downcurrent transect. These samples will be collected using the pump sampler at the required depths, and will be analyzed for the parameters listed in Permit Condition 61.

The samples to be analyzed for dissolved nickel, copper, lead and zinc will be filtered in the field. All samples will be prepared, preserved as required, maintained at 4°C and shipped to a New York State Department of Health Environmental Laboratory Approval Program certified lab under full Chain-of-Custody protocols.

If an exceedance is reported during reduced monitoring for an activity listed in Table 1 then additional monitoring will be implemented as specified in Section 3.3.

3.3 Reduced Water Quality Monitoring

Following the receipt of five consecutive water quality monitoring events with no water quality standard exceedances for an activity listed in Table 1, TZC will provide the results to NYSTA, OECM, and NYSDEC and request to follow a reduced monitoring schedule per Permit Condition 64. Following approval by NYSDEC, documented in the form of a letter or e-mail, TZC will follow the reduced monitoring schedule for that activity as stated in Table 1.

If, during the reduced sampling for any activity, visible turbidity is observed immediately outside of a silt curtain or at the edge of the 500-foot mixing zone (per Table 1) or if there is an exceedance of 100 mg/L above the ambient TSS value, corrective action shall be taken and TSS monitoring frequency shall return to daily (every day that the activity occurs) for that activity until such time as TSS concentrations are less than 100 mg/L above ambient values on two consecutive measurements and visible turbidity is not observed immediately outside of a silt curtain or at the edge of the 500-ft mixing zone (per Table 1).



NYSDEC may specify additional monitoring until compliance is demonstrated. Samples shall be collected until NYSDEC approves resumption of reduced monitoring.

4.0 Reporting

4.1 Analytical Results

All analytical results (i.e. TSS and contaminants) of water samples collected in Section 3.1. will be provided to NYSTA and OECM. The OECM will transmit the analytical results to the NYSDEC by fax or email within 48 hours of receipt of the data results from TZC. Any exceedances will be highlighted by TZC. Exceedances will be based on differences in TSS and contaminant concentrations from analytical results of the water samples between the upcurrent and downcurrent stations, when the background concentration exceeds the water quality standards or detection limits in Permit Condition 61. Otherwise, exceedances will be based on the water quality standards or detection limits in Permit Condition 61.

Following receipt of five samples for an activity monitoring TZC will provide the results and request for reduced monitoring to NYSTA and OECM who will forward it to NYSDEC. TZC will follow the reduced sampling schedules provided in Table 1 once approved by NYSDEC.

4.2 Water Quality Standard Exceedances

In the event of an exceedance of a water quality standard for TSS and contaminants based on the analytical results of the water samples or field form documented visual inspections of turbidity as described in Permit Condition 65.c, NYSTA, OECM, and NYSDEC will be notified. Corrective actions will be taken and TSS monitoring will return to daily for that activity until TSS concentrations are less than 100 mg/l above ambient values on two consecutive measurements and turbidity is not observed extending beyond the 500-ft mixing zone. With NYSDEC approval, activity monitoring would return to the reduced schedule stated in Table 1. Based on the plan, in consultation with OECM and NYSDEC, the in-water activities will be re-evaluated in consultation with NYSDEC to determine the need for procedural changes. If an exceedance of the water quality standards occurs during the dredging operation a Corrective Action Plan (CAP) will be developed as appropriate. The CAP will be provided to NYSTA and OECM within 24 hours of the exceedance.

4.3 Reporting

Within 15 days of completion of the dredging operation in any calendar year, three (3) copies of the annual dredging monitoring report will be submitted to the New York State Thruway Authority (NYSTA) and provided to NYSDEC within 30 days of completion of dredging. Three (3) copies of the annual water quality monitoring report, summarizing the results of the water quality monitoring program and analyses will be submitted to NYSDEC for review within 30 days following the New Year.

ATTACHMENT A Visual Observation Forms

ARMORING BARGE ENVIRONMENTAL CHECKLIST

Page 1 of ___

INSTRUCTIONS: Complete Section A and B for all work.

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Date (mm/dd/yy):	Barge:	Superintendent:
Date (IIIII/dd/yy).	Daige.	Superintendent.

SECTION A. BARGE ACTIVITY INFORMATION

A1. Environmental Compliance Team (ECT) Notification (initial or circle NA if not applicable to barge activity, see below for ECT Contact Information)

(CP) Notify ECT TWO hours prior to start of armoring	Notification Time (hh:mm):	NA	Initial Here	
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A2. Armoring Information

Initial Daily Activity Start Time (hh mm):	Final Daily Activity End Time (hh:mm):
Dredged location where armor will be placed:	

A3. Spill Prevention

(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and initial)				Initial Here
Sheen or spill of ANY size observed			N	
If Yes, immediately notify ECT and take corrective action	mediately notify ECT and take corrective action Persons Notified: Time Notified		ied (hh:mm):	

A4. Environmental Controls

2-mm Wedgewire screen used for intakes from Hudson River	Υ	N	NA	
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SECTION B. ARMORING

B1. Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start; use back for additional snace)

	Start Tin	ne (hh:mm)	Start Tin	ne (hh mm)	Start Tin	ne (hh:mm)	Start Tim	ne (hh:mm)
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Υ		Υ		Υ		Υ	
(CP) Operator computer display working properly	Υ		Υ		Υ		Υ	

B2. Water Quality

Turbidity observed resulting in a turbid visible contrast >500-ft from pile (circle):		Υ	N
f Yes, immediately notify ECT and take corrective action			
Persons Notified:	Time Notified (hh mm):		

B3. Sturgeon See below for examples. Complete at end of shift or when fish/ birds observed.

Observer Name:		Sturgeon observed (circle):	Υ	N	Time(s) observed (hh:mm):
If Yes immediately notify ECT	Persons Notified:				Time Notified (hh:mm):

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

1. Joseph Cassone	845-367-2099
2. Jefferey Kapus	646-823-4685
3. Zach Osei	917-559-6611
3. Christopher Coccaro	914-907-2024
5. John Duschang	845-596-7953
6. Elena Barnett	914-514-5324

(print)

Examples of a Sturgeon

APPENDIX G Identific	cation Key for Sturgeon Found in Northeast U.S. Waters	s .
	ATLANTIC	
Interorbital width	Mouth width SHORTNOSE	Bony plates

Name:	Signature:

SECTION B. ARMORING (continued)

B1 (cont.). Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start)

	Start Time (hh:mm)		Start Time (hh:mm)		Start Time (hh:mm)		Start Time (hh:mm)	
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Υ		Υ		Υ		Υ	
(CP) Operator computer display working properly	Υ		Υ		Υ		Υ	

B1 (cont.). Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start)

	Start Tin	Start Time (hh:mm)		Start Time (hh:mm)		ne (hh:mm)	Start Time (hh:mm)	
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Υ		Υ		Υ		Υ	
(CP) Operator computer display working properly	Y		Υ		Υ		Υ	

B1 (cont.). Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start)

	Start Tin	Start Time (hh:mm)		Start Time (hh:mm)		Start Time (hh:mm)		ne (hh:mm)
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Y		Υ		Υ		Υ	
(CP) Operator computer display working properly	Y		Υ		Υ		Υ	

B1 (cont.). Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start)

	Start Tir	Start Time (hh:mm)		Start Time (hh:mm)		Start Time (hh:mm)		ne (hh:mm)
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Υ		Υ		Υ		Υ	
(CP) Operator computer display working properly	Υ		Υ		Y		Y	

B1 (cont.). Armoring Placement (reconfirm each CP prior to starting armoring following barge movement or temporary suspension of armoring; record time, circle and initial prior to start)

	Start Tin	1e (hh:mm)	Start Tin	ne (hh:mm)	Start Tin	ne (hh:mm)	Start Tin	ne (hh:mm)
(CP) Discharge chute at proper depth	Υ		Υ		Υ		Υ	
(CP) Conveyor RTK DGPS working properly	Υ		Υ		Υ		Υ	
(CP) Conveyor belt speed is constant and being recorded	Υ		Υ		Υ		Υ	
(CP) Operator computer display working properly	Υ		Υ		Υ		Υ	

Notes:			
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PILE BARGE ENVIRONMENTAL CHECKLIST

Page 1 of ____

Date (mm/d	<i>.</i> .	•	ii belole i	NOIK PIUG	resses. R	cturn compr	ctca ioiii	at end of sh	III.				
, ,,	dd/yy):			Barge:				Superinten	dent:				
				SECT	ΓΙΟΝ Α.	BARGE AC	TIVITY	INFORMA	TION				
A1. Enviro	onmental Co	mpliance 1	Team (ECT)	Notification	on (initial or c	ircle NA if not ap	plicable to ba	rge activity, see b	ack for ECT (Contact Informati	on)		
Notify ECT	T TWO hours	s prior to st	art of pile	driving or d	ewatering		No	otification Tir	ne (hh mm):			NA
A2. Activi	ty Informati	on (circle one):	B. Vibrato	ry Driving	/ Removal	C. Impa	ct Driving I	D. Dewat	ering			
Pier No(s)	.:		Pile Dia(s)	.:				Activ	ity Start	Time at First	Pile (hh:mm):	
Hammer I	Model (enter N	IA if not applica	able):					Act	ivity End	Time at Last	Pile (hh:mm):	
A3. Spill P	Prevention (d	ircle NA if not a	applicable to d	aily barge activi	tv)								
						, circle and initial)				Υ	N	Initial Her
						(circle one and i					Y	N	Initial Her
	nediately no					Persons No					Time Noti	ified (hh:mm):	
Sheen or s	spill of ANY s	size observe	ed			ı					Υ	N	
If Yes, imn	nediately no	tify ECT an	d take corr	ective action	n	Persons No	tified:				Time Noti	ified (hh:mm):	
A4. Peres	rine Falcon	Protection	(circle NA if no	at annlicable to	harge activity	•							
	oard flag ins				barge activity)							Υ	N
			<u> </u>		N B. VIB	RATORY I	PILE DR	IVING / RI	EMOVA	.L			
B1. Sturge	eon See Page 2	for Examples, O	complete at en							-			
Observer		TOT Examples: C	ompiete ut en	u or silic or wil		observed (circ	alo).	Y	N	Time(s) ob	served (hh:	mm).	
	nediately not	ify FCT	Persor	ns Notified:	Sturgeon	observed (circ	ue).	<u> </u>	IN	Time Notif			
		illy LC1			tonding > 1	-00 ft from r	ila (, , , , ,			Time Noti	ica (iiii iiiii).	Y	NI NI
B2. Water						500-ft from p					I		N
If Yes, imn	nediately no	tify ECT an	d take corr	ective action		Persons No					Time Noti	ified (hh:mm):	
								E DRIVING					
				S) - Bubble	1	nd Pile Tap (perform visua	al inspection of w	ater surface	to confirm NAS is	operating pro	perly)	
(CP) 40-ft	Shroud Dep	loyed (circle	and initial):				>						
C2. Bubbl	e Curtain Lo				Υ			Deployed an	d Operat	ing (initial below	prior to drivir	ng each pile):	
	1	g for piles	>48-inches	(record air pre		Initial Here			d Operat	ing (initial below	prior to drivir	ng each pile):	
	NAS	g for piles	NAS	(record air pre	ssure and flow	approx. 5 mins a	after NAS is o		•		·	available)	
Pile No.	NAS (CP)	Pile Tapped	NAS Cables	-	ssure and flow	r approx. 5 mins a ressure (psi)	after NAS is o	n) oir Tank Outl	ets/ Air F	low (cfm) at	·	available)	5
Pile No.	NAS	Pile	NAS	Visually	ssure and flow	ressure (psi) a	after NAS is o	oir Tank Outl	ets/ Air F	low (cfm) at Visually	Meter (if a	vailable) Visually	5 PSI
Pile No.	NAS (CP)	Pile Tapped	NAS Cables Taut	-	ssure and flow Air Pr	r approx. 5 mins a ressure (psi)	after NAS is o	n) oir Tank Outl	ets/ Air F	low (cfm) at	Meter (if a	available)	
Pile No.	NAS (CP) (initial)	Pile Tapped (circle one)	NAS Cables Taut (circle one)	Visually Checked	ssure and flow Air Pr	ressure (psi) a Visually Checked	after NAS is o	oir Tank Outl 3 Visually Checked	ets/ Air F	low (cfm) at Visually Checked	Meter (if a	vailable) Visually Checked	
Pile No.	NAS (CP) (initial)	Pile Tapped (circle one)	NAS Cables Taut (circle one)	Visually Checked Y/N	ssure and flow Air Pr	v approx. 5 mins a ressure (psi) v 2 Visually Checked Y / N	after NAS is o	oir Tank Outl 3 Visually Checked Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
Pile No.	NAS (CP) (initial) Initial Here	Pile Tapped (circle one) Y / N	NAS Cables Taut (circle one) Y/N	Visually Checked Y/N	ssure and flow Air Pr	vapprox. 5 mins a ressure (psi) a vapprox. 5 mins a vessure (psi) a vapprox. 5 mins a vessure (psi) a vapprox. 5 mins a	after NAS is o	oir Tank Outl Visually Checked Y/N Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N Y/N	Meter (if a	vailable) Visually Checked Y/N Y/N	
Pile No.	NAS (CP) (initial) Initial Here Initial Here	Pile Tapped (circle one) Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N	Visually Checked Y/N Y/N	ssure and flow Air Pr	essure (psi) visually Checked Y / N Y / N Y / N	after NAS is o	oir Tank Outl Visually Checked Y/N Y/N	ets/ Air F	Visually Checked Y/N Y/N	Meter (if a	vailable) Visually Checked Y/N Y/N	
Pile No.	NAS (CP) (initial) Initial Here Initial Here Initial Here	Pile Tapped (circle one) Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N	Visually Checked Y/N Y/N Y/N Y/N	ssure and flow Air Pr	vapprox. 5 mins a ressure (psi) . Visually Checked Y/N Y/N Y/N Y/N Y/N	after NAS is o	oir Tank Outl Visually Checked Y/N Y/N Y/N Y/N	ets/ Air F	Visually Checked Y/N Y/N Y/N	Meter (if a	vailable) Visually Checked Y/N Y/N Y/N	
Pile No.	NAS (CP) (initial) Initial Here Initial Here Initial Here Initial Here Initial Here	Pile Tapped (circle one) Y / N Y / N Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N	Visually Checked Y/N Y/N Y/N Y/N	ssure and flow Air Pr	vapprox. 5 mins a ressure (psi) : Visually Checked Y / N Y / N Y / N Y / N Y / N Y / N	after NAS is o	oir Tank Outl Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N Y/N Y/N Y/N Y/N	Meter (if a	vailable) Visually Checked Y/N Y/N Y/N Y/N Y/N	
Pile No.	NAS (CP) (initial) Initial Here Initial Here Initial Here Initial Here	Pile Tapped (circle one) Y / N Y / N Y / N Y / N Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N	Visually Checked Y/N Y/N Y/N Y/N Y/N	ssure and flow Air Pr	ressure (psi) 2 Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N	after NAS is o	oir Tank Outl Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N	ets/ Air F	Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N	Meter (if a	visually Checked Y/N Y/N Y/N Y/N Y/N Y/N	
	NAS (CP) (initial) Initial Here	Pile Tapped (circle one) Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/	Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N	Air Pr PSI	rapprox. 5 mins a ressure (psi) . Visually Checked Y/N	at Reservi	oir Tank Outl Visually Checked Y/N	ets/ Air F	Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N	Meter (if a	vailable) Visually Checked Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N	
If NAS not	NAS (CP) (initial) Initial Here	Pile Tapped (circle one) Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/	Visually Checked Y/N	Air Pr PSI T	rapprox. 5 mins a ressure (psi) . Visually Checked Y/N	PSI tified:	oir Tank Outl Visually Checked Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not	NAS (CP) (initial) Initial Here Inoperational	Pile Tapped (circle one) Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/	Visually Checked Y/N	Air Pr PSI PSI T	rapprox. 5 mins a ressure (psi) . Visually Checked Y/N	PSI tified:	oir Tank Outl Visually Checked Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not C3. Fish (NO)	NAS (CP) (initial) Initial Here Inoperational	Pile Tapped (circle one) Y / N Y / S Per plan, i	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/	Visually Checked Y/N	Air Pr PSI PSI T See Page 2 ft Sturgeon	rapprox. 5 mins a ressure (psi). Visually Checked Y/N	PSI tified:	oir Tank Outl Visually Checked Y/N	ets/ Air F	low (cfm) at Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not C3. Fish (N Observer Time(s) ob	NAS (CP) (initial) Initial Here Inoperational	Pile Tapped (circle one) Y / N Y /	NAS Cables Taut (circle one) Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/	Visually Checked Y/N	Person	ressure (psi) : 2 Visually Checked Y/N	PSI tified: pplete at end	oir Tank Outl Visually Checked Y/N	ets/ Air F	Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not C3. Fish (N Observer Time(s) ob	NAS (CP) (initial) Initial Here	Pile Tapped (circle one) Y / N Y /	NAS Cables Taut (circle one) Y/N	Visually Checked Y/N	Air Pr PSI PSI See Page 2 for Sturgeon Persoon Scavenger	ressure (psi): Visually Checked Y/N	PSI tified: pplete at end	oir Tank Outl Visually Checked Y/N	ets/ Air F PSI Fish/ birds ob N	Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not C3. Fish (R Observer) Time(s) observer Time Observer	NAS (CP) (initial) Initial Here	Pile Tapped (circle one) Y / N Y /	NAS Cables Taut (circle one) Y/N	Visually Checked Y/N	PSI See Page 2 fr Sturgeon Person Scavengel known):	ressure (psi): Visually Checked Y/N	PSI tified: pplete at end	oir Tank Outl Visually Checked Y/N	ets/ Air F PSI Fish/ birds ob N N bserved:	Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	
If NAS not C3. Fish (N Observer Time(s) ob Other fish	NAS (CP) (Initial) Initial Here	Pile Tapped (circle one) Y / N Y /	NAS Cables Taut (circle one) Y/N	Visually Checked Y/N	Person Scavenger known):	ressure (psi): Visually Checked Y/N	PSI tified: pplete at end cie):	oir Tank Outl 3 Visually Checked Y/N	ets/ Air F PSI Fish/ birds ob N N bserved:	Visually Checked Y/N	Meter (if a	vailable) Visually Checked Y/N	

(print) (by signing I certify I have performed the above checks and believe them to be accurate)

Signature:

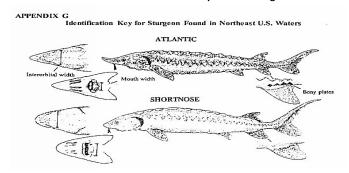
Name:

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

(contact in order shown a	itili someone is redened
1. Jefferey Kapus	646-823-4685
2. Donald Henshaw	845-821-4306
3. Christopher Coccaro	914-907-2024
4. Zach Osei	917-559-6611
5. John Duschang	845-596-7953

Examples of a Sturgeon



SECTION D. DEWATERING INFORMATION

(Complete D1 and D2 for each pile. **Check Points (CP)** must be initialed by responsible person before work progresses.

Use additional sheets as necessary. See ITP TZC 0033 for mudline elevation.)

D1.1 Pile Information (complete for each pile, circle NA if not applicable barge activity)		Pier No.:		Pile No.:		NA
(CP) Confirm 2-ft min separation between pump and mudline elev. (initial)		Initial Here	Mudlin	e elevation:		ft
Discharge hose consistent with construction work plan (circle one)		Υ	N			
D2.1 Water Quality						
Turbidity observed in the vicinity of the pump discharge (circle):					Υ	N
If Yes, immediately notify ECT and take corrective action						
Persons Notified:	Time Notified:					
D1.2 Pile Information (complete for each pile, circle NA if not applicable barge activity)	Pier No.:			Pile No.:		NA
(CP) Confirm 2-ft min separation between pump and mudline elev. (initial)		Initial Here	Mudlin	e elevation:		ft
Discharge hose consistent with construction work plan (circle one)		Υ	N			
D2.2 Water Quality						
Turbidity observed in the vicinity of the pump discharge (circle):					Υ	N
If Yes, immediately notify ECT and take corrective action						
Persons Notified:	Time Notified:					
D1.3 Pile Information (complete for each pile, circle NA if not applicable barge activity)	Pier No.:			Pile No.:		NA
(CP) Confirm 2-ft min separation between pump and mudline elev. (initial)		Initial Here	Mudlin	e elevation:		ft
Discharge hose consistent with construction work plan (circle one)		Υ	N			
D2.3 Water Quality						
Turbidity observed in the vicinity of the pump discharge (circle):					Υ	N
If Yes, immediately notify ECT and take corrective action						
Persons Notified:	Time Notified:					

PILE AND FORMWORK CLEAN-OUT ENVIRONMENTAL CHECKLIST

Page 1 of ____

 $\textbf{INSTRUCTIONS:} \ \ \text{Complete Section A for all work.} \ \ \ \text{Complete Sections B-D as work progresses for those activities.}$

CHECK POINTS (CP) must be initialed by responsible person before work progresses. Return completed form at end of shift.

critck Folivis (cr) must be illitialed by responsible person before	WOIK PIUE	iesses. Ne	eturn completeu ioim	at end of si	·III C.	
Date (mm/dd/yy): Barge:		Superinter	ndent:			
SECTION A. BARGE A	CTIVITY	INFORM	ATION			
A1. Activity Information (circle one) B. Pile Dewatering C. Pile Exc	avation [D. Formwor	k Cleanout			
Pier No EB/WB.: Start Time:			End Time:			
A2. Environmental Controls (circle NA if not applicable to daily barge activity)						
(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and ini	tial)				Υ	Initial Here
Sheen or spill of ANY size observed				Υ	N	
f Yes, immediately notify ECT and take corrective action Persons N	otified:			Time Notif	ied (hh mm):	
Checkerboard flag installed at top of cranes (circle one)				Υ	N	NA
2-mm Wedgewire screen used for intakes from Hudson River				Υ	N	NA
Dewatering controls (cage, filter fabric, turbidity curtain, etc.) checked and in working order (i.e. Substantially free of sediment) prior to use (circle one)						NA
SECTION B. PILE DEWA	ATERING	INFORM	IATION			
(Complete B1 and B2 for each pile. Check Points (CP) mu Use additional sheets as necessary. S			•	work progr	esses.	
B1.1 Pump Information (complete for each pile, circle NA if not applicable barge activity)		Pier No.:		Pile No.:		NA
(CP) Pump discharge line diameter:	2"	4"	Pump Elevation		ft	Initial Here
(CP) Confirm separation between pump and mudline elev. (initial)	1-ft	5-ft	Mudline elevation:		ft	Initial Here
Discharge hose conveyed to dewater cage (approach) or turbidity curtain (main span)	(circle one)		Υ	N	Initial Here
B2.1 Water Quality				•		•
Turbidity observed outside of outer turbidity curtain (circle):					Υ	N
f Yes, immediately notify ECT and take corrective action	Persons N	otified:		Time Notif	ied:	
f corrective action taken, state action taken:						
B1.2 Pump Information (complete for each pile, circle NA if not applicable barge activity)		Pier No.:		Pile No.:		NA
(CP) Pump discharge line diameter:	2"	4"	Pump Elevation		ft	Initial Here
(CP) Confirm separation between pump and mudline elev. (initial)	1-ft	5-ft	Mudline elevation:		ft	Initial Here
Discharge hose conveyed to dewater cage (approach) or turbidity curtain (main span) (circle one)					N	Initial Here
B2.2 Water Quality						-
Turbidity observed outside of outer turbidity curtain (circle):					Υ	N
f Yes, immediately notify ECT and take corrective action	Persons N	otified:		Time Notif	ied:	
f corrective action taken, state action taken:						
B1.3 Pump Information (complete for each pile, circle NA if not applicable barge activity)		Pier No.:		Pile No.:		NA
(CP) Pump discharge line diameter:	2"	4"	Pump Elevation		ft	Initial Here
(CP) Confirm separation between pump and mudline elev. (initial)	1-ft	5-ft	Mudline elevation:		ft	Initial Here
Discharge hose conveyed to dewater cage (approach) or turbidity curtain (main span)	(circle one)		Υ	N	Initial Here
B2.3 Water Quality						
Turbidity observed outside of outer turbidity curtain (circle):					Υ	N
f Yes, immediately notify ECT and take corrective action	Persons N	otified:		Time Notif	ied:	
f corrective action taken, state action taken:						
B1.4 Pump Information (complete for each pile, circle NA if not applicable barge activity)		Pier No.:		Pile No.:		NA
(CP) Pump discharge line diameter:	2"	4"	Pump Elevation		ft	Initial Here
(CP) Confirm separation between pump and mudline elev. (initial)	1-ft	5-ft	Mudline elevation:		ft	Initial Here
Discharge hose conveyed to dewater cage (approach) or turbidity curtain (widding elevation.	Y	N	Initial Here
B2.4 Water Quality	mani spanj	(circle one)		<u>'</u>		
Turbidity observed outside of outer turbidity curtain (circle):					Y	N
If Yes, immediately notify ECT and take corrective action	Persons N	otified:		Time Notif		
If corrective action taken, state action taken:						
in corrective action taken, state action laken.						
News						

(by signing I certify I have performed the above checks and believe them to be accurate)

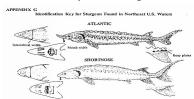
Rev. 20160314

(print)

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)				
1. Jefferey Kapus	646-823-4685			
2. Elena Barnett	914-391-8950			
3. Christopher Coccaro	914-907-2024			
4. Zach Osei	917-559-6611			
5. Tim Piazza	845-709-1396			

Examples of a Sturgeon



SECTION C. PILE EXCAVATION INFORMATION

	(Complete C1 and C2 for each pile	e. Use additional sheets as necessary.)			
C1.1 Pile Information	n (complete for each pile, circle NA if not applicable barge activity)	Pier No.:	Pile No.:		NA
C2.1 Water Quality	Excavated Material Placed into Hudson River (circle):			Υ	N
	(complete for each pile, circle NA if not applicable barge activity)	Pier No.:	Pile No.:		NA N
C2.2 Water Quality	Excavated Material Placed into Hudson River (circle):			Υ	N
C1 3 Pile Information	n (complete for each pile, circle NA if not applicable barge activity)	Pier No.:	Pile No.:		NA
C2.3 Water Quality	Excavated Material Placed into Hudson River (circle):	riei No	riie No	Υ	N N
					•
C1.4 Pile Information	n (complete for each pile, circle NA if not applicable barge activity)	Pier No.:	Pile No.:		NA
C2.4 Water Quality	Excavated Material Placed into Hudson River (circle):			Υ	N
	SECTION D. FORMWORK	CLEAN-OUT INFORMATION			
	(Complete D1 and D2 for each location, Check Points (CP) n	nust be initialed by responsible person befor	e work progresses.)		
D1.1 Pump Informat	ion (complete for each pile, circle NA if not applicable barge activity)	Pier Number:			
(CP) Confirm screen	or similar control is in place between pump(s) and sedin	nents. (initial)	Y	N	Initial Here
If No, place control o	or provide reason for operation without control:				
Discharge hose conv	eyed to dewater cage (approach) or turbidity curtain (m	nain span) (circle one):	Y	N	Initial Here
If No, state discharge	e point:				
D2.1 Water Quality					
Turbidity observed o	outside of turbidity curtain (circle):			Υ	N
If Yes, immediately n	notify ECT and take corrective action	Persons Notified:	Time Notifie	ed:	
If corrective action to	aken, state action taken:				
D1.2 Pump Informat	ion (complete for each pile, circle NA if not applicable barge activity)	Pier Number:			
(CP) Confirm screen	or similar control is in place between pump(s) and sedin	nents. (initial)	Y	N	Initial Here
If No, place control o	or provide reason for operation without control:				
Discharge hose conv	eyed to dewater cage (approach) or turbidity curtain (m	nain span) (circle one):	Y	N	Initial Here
If No, state discharge	e point:				
D2.2 Water Quality					
Turbidity observed o	outside of turbidity curtain (circle):			Υ	N
If Yes, immediately n	notify ECT and take corrective action	Persons Notified:	Time Notifie	ed:	
If corrective action to	aken, state action taken:	1			
D1.3 Pump Informat	ion (complete for each pile, circle NA if not applicable barge activity)	Pier Number:			
(CP) Confirm screen	or similar control is in place between pump(s) and sedin	nents. (initial)	Y	N	Initial Here
If No, place control o	or provide reason for operation without control:				
Discharge hose conv	eyed to dewater cage (approach) or turbidity curtain (m	nain span) (circle one):	Y	N	Initial Here
If No, state discharge	e point:				-
D2.3 Water Quality					
Turbidity observed o	outside of turbidity curtain (circle):			Υ	N
If Yes, immediately n	notify ECT and take corrective action	Persons Notified:	Time Notifie	ed:	•

If corrective action taken, state action taken:

TAPPAN ZEE CONSTRUCTORS, LLC

CONCRETE BATCH PLANT ENVIRONMENTAL CHECKLIST

Page 1 of 2

INSTRUCTIONS: Complete Section A for all work. Complete Sections B and C as work progresses for those activities. **CHECK POINTS (CP) must be initialed by responsible person before work progresses.** Return completed form at end of shift.

Date (mm/dd/yy):	Plant #:	Pier #:	Superintendent:
Activity Start Time (hh mm):		Activity End Time (hh:mm):	

SECTION A. CONCRETE BATCH PLANT ACTIVITY INFORMATION

A1. Spill Prevention (circle NA if not applicable to daily barge activity)

(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle	Υ	initial here		
Sheen or spill of ANY size observed Y				
If Yes, immediately notify ECT and take corrective action Persons Notified:			ied (hh mm):	

SECTION B. CONCRETE PRODUCTION INFORMATION

B1.1 Concrete Batch Plant Controls

Fugitive dust emissions controlled as per plan	Υ	N		nediately notify Environmental Compliance Team (ECT) and	
Persons Notified:		take corrective action Time Notified:			
Baghouse/filter sock controls in place and operational	Υ	N	N If no, immediately notify ECT and take corrective action		
Persons Notified: Time Notified:					
3. Wastewater sump capacity is adequate for operation/storm	Υ	N	If no, imm	nediately notify ECT and take corrective action	
Persons Notified: Time Notified:					
4. Equipment and hoses inspected for signs of potential leaks	Υ	N	If no, immediately notify ECT and take corrective action		
Persons Notified:	sons Notified: Time Notified:				
5. If utilized, concrete bucket properly maintained and sealed	Υ	N	NA	If no, immediately notify ECT and take corrective action	
Persons Notified:		Time Notif	ied:		
6. Equipment properly washed down per control plan:	Υ	N	If no, immediately notify ECT and take corrective action		
Persons Notified:		Time Notif	ied:		
7. Excess concrete produced	Υ	N			
Volume:		Disposal N	1ethod:		
8. Waste bin capacity is adequate for operations	Υ	N	If no, imm	nediately notify ECT and take corrective action	
Persons Notified: Time Notified:					

SECTION C. WATER QUALITY AND SPILL PREVENTION

C1.1 Water Ouality

C1.1 Water Quanty					
1. River free of turbidity in the vicinity of newly placed concrete	Υ	N	N If no, immediately notify ECT and take corrective action		
Persons Notified:		Time Noti	fied:		
2. Hose end covered per plan while transiting over Hudson River	Υ	N	NA	If no, immediately notify ECT and take corrective action	
Persons Notified:		Time Noti	fied:		
3. Swing path minimized over open water to extent practicable	Υ	N	If no, imr	nediately notify ECT and take corrective action	
Persons Notified:		Time Noti	fied:		
		•			
Name	Signature:				

Name: Signature: (print) (by signing I certify I have performed the above checks and believe them to be accurate)

(a) signing recently make performed the above checks and believe them to be above

See back for list of ECT and PPT contact information



CONCRETE BATCH PLANT ENVIRONMENTAL CHECKLIST

Page 2 of 2

Environmental Compliance Team (ECT) Contacts

(contact in order shown until someone is reached)

1. Jefferey Kapus	646-823-4685
2. Donald Henshaw	845-821-4306
3. Christopher Coccaro	914-907-2024
4. Zach Osei	917-559-6611
5. John Duschang	845-596-7953

Pollution Prevention Team (PPT) Contacts

(contact in order shown until someone is reached)

1. Kelly Kyle	(985) 445-3512
2. Kraig Kyle	(914) 584-1094
3. Ted Shaw	(914) 447-6007
4. Drew Merritts	(757) 613-1654
5. Wayne Dabrowski	(985) 258-1584
6. Jefferey Kapus	(646) 823-4685
7. John Duschang	(845) 596-7953

COFFERDAM ENVIRONMENTAL CHECKLIST

Page 1 of

INSTRUCTIONS: Complete Section A for all work. Complete Sections B-D as work progresses for those activites. **CHECK POINTS (CP) must be initialed by responsible person before work progresses.** Return completed form at end of shift.

Date (mm/dd/yy):	Location:	Superintendent:

SECTION A. ACTIVITY INFORMATION

A1. Activity Information (circle one):

B. Vibratory Driving / Removal C. Dewatering D. Excavation

Pier No(s).:	Sheet size(s).:	Activity Start Time (hh:mm):
Hammer Model (enter NA if not applicable):		Activity End Time (hh:mm):

A3. Environmental Controls (circle NA if not applicable to daily barge activity)

(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and initial)		Υ	Initial Here		
(CP) Containment boom deployed around template or work area (circle one and initial)		Υ	NA	Initial Here	
Sheen or spill of ANY size observed			Υ	N	
If Yes, immediately notify ECT and take corrective action	ediately notify ECT and take corrective action Persons Notified: Time Notifi		Time Notifi	ed (hh:mm):	
Checkerboard flag installed at top of cranes (circle one)	YN		N	NA	
2-mm Wedgewire Screen on intakes from the Hudson River (ci	rcle one)		Υ	N	NA

SECTION B. VIBRATORY SHEET DRIVING / REMOVAL

B1. Sturgeon See Page 2 for Examples. Complete at end of shift or when fish/ birds observed.

Observer Name:		Sturgeon observed (circle):	Υ	N	Time(s) observed (hh:mm):
If Yes immediately notify ECT	Persons Notified:	•		•	Time Notified (hh mm):

B2. Water Quality

Turbidity observed extending >500-ft from cofferdam (circle):		Υ	N	
If Yes, immediately notify ECT and take corrective action	Persons Notified:			Time Notified (hh:mm):

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

1. Jefferey Kapus	646-823-4685
2. Donald Henshaw	845-821-4306
3. Christopher Coccaro	914-907-2024
4. Zach Osei	917-559-6611
5. John Duschang	845-596-7953

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Name:		Signature:
•	(print)	(by signing I certify I have performed the above checks and believe them to be accurate

Rev. 20150430

SECTION C. DEWATERING INFORMATION

(Complete C1 and C2 for each cofferdam **Check Points (CP)** must be initialed by responsible person before work progresses.

Use additional sheets as necessary. See ITP TZC 0033 for mudline elevation.)

C1.1 Cofferdam Information (complete for each pile, circle NA if not applicable bar	fferdam Information (complete for each pile, circle NA if not applicable barge activity)			Pier No.:	_	NA
(CP) Confirm 2-ft min separation between pump and mudline elev. (i	nitial)			Initial Here	Mudlin	e elevation: ft
Pump discharge consistent with construction work plan (circle one):				Υ	N	
C1.2. Water Quality				Ι		
Turbidity observed in the vicinity of pump discharge (circle):				Y	N	
If Yes, immediately notify ECT and take corrective action	Persons Notified:			Time Notified (hh:mm):		
SECTION D.	EYCAVA:	TION INE		N.		
(Complete D1 and D2 for each cofferdam Check Po					son hefore	work progresses
		nast be mit	aica by ics	Pier No.:	John Berore	NA
1.1 Cofferdam Information (complete for each cofferdam, circle NA if not applicable activity) CP) Confirm Dredge Environmental Seal in Proper Wording Order. (initial)			110111011		IVA	
Dredge Bucket closed while transiting over Hudson River	YN					
Excavated material only placed in dredge scow		Υ	N			
If No, immediately notify ECT and take corrective action	Persons Notified:					Time Notified (hh:mm):
Turbidity observed extending >500-ft from cofferdam (circle): If Yes, immediately notify ECT and take corrective action	Persons No	otified:		Y	N	Time Notified (hh:mm):
Sheen or Spill Observed				Υ	N	
If Yes, immediately notify ECT and take corrective action	Persons No	otified:				Time Notified (hh:mm):
Comments						
-						

Instructions: Complete Section A and B for all work.

CHECK POINTS (CP) must be initialed by responsible person before work progresses. Return completed form at end of shift.

Date (mm/dd/yy):	Dredge:	Superintendent:

SECTION A. DREDGE BARGE ACTIVITY INFORMATION

A1. Environmental Controls (initial or circle NA if not applicable to barge activity, see below for ECT Contact Information)					
(CP) Notify ECT 2-hours prior to re-start of dredging following a shutdown Notification Time (hh:mm):				NA	Initial Here
(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and initial)				Y	Initial Here
Sheen or spill of ANY size observed			Υ	N	
If Yes, immediately notify ECT and take corrective action	Persons Notified: Time Notified (hh:n			ied (hh:mm):	

A2. Activity Information

Location where Dredging will take place (circle one):	South Dredge Area	Access. Area	Sediment		
(CP) USACE Permit onboard Dredge (permit onboard when actively engaged in dredging)			Υ	NA	Initial Here
(CP) Dredge and Pile Driving Monitoring Plan onboard Dredge (permit onboard when actively engaged in dredging)			Υ	NA	Initial Here
(CP) Dredging was conducted using an environmental, closed clamshell dredge bucket			Υ	NA	Initial Here

A3. Sturgeon Recovery & Fish Handling Equipment (circle NA if not applicable to daily barge activity)

(CP) NMFS Certified Observer onboard and provided safe, well-lit area to observe dredging (circle one):	Υ	N	Initial Here
(CP) Long-handled Dip Net, Fish Sling, 150-Gal Poly Holding Tank, Pump & Hose	Υ	N	Initial Here

SECTION B. DREDGING

B1. Dredging Operations (reconfirm each CP prior to starting dredging following barge movement or temporary suspension of dredging; record time, circle and initial prior to start; use back for

auditional space)		Start Ti	me (hh:mm)	ne (hh:mm) Start Time		Start Tir	ne (hh mm)
(CP) Sufficient time between each dredging cycle for observe	er to inspect bucket / scow	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket loads were released at the level of the barg	e gunwales	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket was lifted in a continuous motion through t	he water into the barge	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket decanting minimized to the maximum extent practicable		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) All material removed was placed directly into seale	ed scows	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No sidecasting of dredged sediment was executed		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No barge overflow occurred during filling with dred	dged material	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Equipment was operated in a manner to minimize re-su	spension of sediments	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Dredged material removed from site by barge		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
Investigated excessive loss of material from the bucket ((if necessary)	•			Υ	N	NA
Persons Notified:	me Notified (hh mm): Corrective Action:						

B4. Water Quality

Turbidity observed extending greater than 500-ft from the Dredge (circle):			N
f Yes, immediately notify ECT and take corrective action			
Persons Notified:	Time Notified (hh:mm):		

B3. Sturgeon See below for examples. Complete at end of shift or when fish/ birds observed.

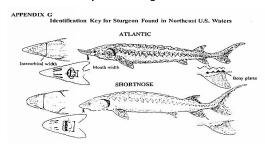
Observer Name:		Sturgeon observed (circle):	Y N		Time(s) observed (hh:mm):		
If Yes immediately notify ECT	Persons Notified:				Time Notified (hh:mm):		

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

1. Jefferey Kapus	646-823-4685
2. Zach Osei	917-559-6611
3. Christopher Coccaro	914-907-2024
4. Joseph Cassone	845-367-2099
5. Elena Barnett	914-514-5324
6. Donald Henshaw	845-821-4306

Examples of a Sturgeon



Name:		Signature:
•	(print)	(by signing I certify I have performed the above checks and believe them to be accura

SECTION B. DREDGING (continued)

B1. Dredging Operations (reconfirm each CP prior to starting dredging following barge movement or temporary suspension of dredging; record time, circle and initial prior to start)

		Start Ti	me (hh mm)	Start Tir	ne (hh mm)	Start Tir	ne (hh mm)
(CP) Sufficent time between each dredging cycle for observer	to inspect bucket / scow	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket loads were released at the level of the barg	e gunwales	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
CP) Bucket was lifted in a continuous motion through the water into the barge		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket decanting minimized to the maximum exter	nt practicable	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) All material removed was placed directly into seale	d scows	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No sidecasting of dredged sediment was executed		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No barge overflow occurred during filling with dred	lged material	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Equipment was operated in a manner to minimize re-sus	pension of sediments	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Dredged material removed from site by barge		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
Investigated excessive loss of material from the bucket (if necessary)				Υ	N	NA
Persons Notified:	Time Notified (hh mm):		Corrective Action:				

B1. Dredging Operations (reconfirm each CP prior to starting dredging following barge movement or temporary suspension of dredging; record time, circle and initial prior to start)

		Start Ti	me (hh mm)	Start Time (hh mm)		Start Tir	ne (hh mm)
(CP) Sufficent time between each dredging cycle for observ	er to inspect bucket / scow	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket loads were released at the level of the ba	rge gunwales	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket was lifted in a continuous motion through the water into the barge		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket decanting minimized to the maximum ext	ent practicable	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) All material removed was placed directly into sea	iled scows	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No sidecasting of dredged sediment was execute	d	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No barge overflow occurred during filling with dr	edged material	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Equipment was operated in a manner to minimize re-s	uspension of sediments	Υ	Initial Here	Υ	Initial Here	Y	Initial Here
(CP) Dredged material removed from site by barge		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
Investigated excessive loss of material from the bucke	t (if necessary)		-	3	Υ	N	NA
Persons Notified:	Time Notified (hh mm):		Corrective Action:				

B1. Dredging Operations (reconfirm each CP prior to starting dredging following barge movement or temporary suspension of dredging; record time, circle and initial prior to start)

		Start Ti	me (hh mm)	Start Tin	ne (hh mm)	Start Tir	ne (hh mm)
(CP) Sufficent time between each dredging cycle for observe	er to inspect bucket / scow	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket loads were released at the level of the barge gunwales		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket was lifted in a continuous motion through the water into the barge		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket decanting minimized to the maximum extended	ent practicable	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) All material removed was placed directly into sea	led scows	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No sidecasting of dredged sediment was executed	d	Y	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No barge overflow occurred during filling with dre	edged material	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Equipment was operated in a manner to minimize re-so	uspension of sediments	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Dredged material removed from site by barge		Y	Initial Here	Υ	Initial Here	Υ	Initial Here
Investigated excessive loss of material from the bucket (if necessary)		•	_		Υ	N	NA
Persons Notified:	Time Notified (hh mm):		Corrective Action:				

B1. Dredging Operations (reconfirm each CP prior to starting dredging following barge movement or temporary suspension of dredging; record time, circle and initial prior to start)

		Start Ti	me (hh mm)	Start Time (hh mm)		Start Tir	me (hh mm)
(CP) Sufficent time between each dredging cycle for observer to	o inspect bucket / scow	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket loads were released at the level of the barge	gunwales	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket was lifted in a continuous motion through the	e water into the barge	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Bucket decanting minimized to the maximum extent	practicable	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) All material removed was placed directly into sealed	scows	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No sidecasting of dredged sediment was executed		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) No barge overflow occurred during filling with dredg	ed material	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Equipment was operated in a manner to minimize re-susp	ension of sediments	Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
(CP) Dredged material removed from site by barge		Υ	Initial Here	Υ	Initial Here	Υ	Initial Here
Investigated excessive loss of material from the bucket (if necessary)		•			Υ	N	NA
Persons Notified:	Time Notified (hh mm):		Corrective Action:				•

BARGE DECANTING ENVIRONMENTAL CHECKLIST

Page 1 of ____

Instructions: Complete Section A and B for all work.

CHECK POINTS (CP) must be initialed by responsible person before work progresses. Return completed form at end of shift.

Date (mm/dd/yy):	Scow:	Superintendent:
_ = == (, ==, , , , ,		

SECTION A. DREDGE BARGE ACTIVITY INFORMATION

A1. Environmental Controls (initial or circle NA if not applicable to barge activity, see below for ECT Contact Information)

(CP) Notify ECT 2-hours prior to start of decanting operation	decanting operation Notification Time (hh:mm):			NA	Initial Here
(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and initial)					Initial Here
Sheen or spill of ANY size observed				N	
If Yes, immediately notify ECT and take corrective action	Persons Notified:		Time Notified (hh:mm):		

SECTION B. DECANTING

B1. Decanting Operations (confirm each CP prior to starting decanting following 12-hour settling time)

Location where decanting will take place:	Barge or Pier Number:				
Start date and time of decanting (mm/dd/yy hh:mm):					
End date and time of decanting (mm/dd/yy hh:mm):					
(CP) Minimum of 12 hours of settling time provided prior to	decanting water to the Hudson River:		Y	N	Initial Here
BMPs in place prior to transferring sediments between barges:			Y	N	NA
If No immediately notify ECT Persons Notified:		Time Notified (hh mm):			
(CP) Equipment was operated in a manner to avoid re-suspension of sediments		Y	N	Initial Here	
If No immediately notify ECT Persons Notified:		Time Notified (hh mm):			

B4. Water Quality

Turbidity observed extending beyond 500-ft mixing zone (circle):			N	
If Yes, immediately notify ECT and take corrective action				
Persons Notified:	Time Notified (hh mm):			

$\textbf{B3. Sturgeon} \ \ \text{See below for examples.} \ \ \ \text{Complete at end of shift or when fish/ birds observed.}$

Observer Name:		Sturgeon observed (circle):	Υ	N	Time(s) observed (hh:mm):
If Yes immediately notify ECT	Persons Notified:				Time Notified (hh mm):

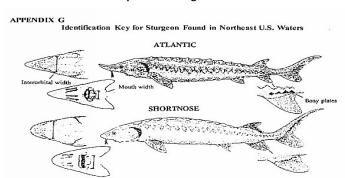
Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

1. Jefferey Kapus	646-823-4685
2. Zach Osei	917-559-6611
3. Christopher Coccaro	914-907-2024
4. Joseph Cassone	845-367-2099
5. Elena Barnett	914-514-5324
6. Donald Henshaw	845-821-4306

(print)

Examples of a Sturgeon



ame:	Signature:

(by signing I certify I have performed the above checks and believe them to be accurate)

TAPPAN ZEE CONSTRUCTORS, LLC

P41/P42 DRILLED SHAFT ENVIRONMENTAL CHECKLIST

INSTRUCTIONS: Complete Section A for all work. Complete Sections B-D as work progresses for those activities. **CHECK POINTS (CP) must be initialed by responsible person before work progresses.** Return completed form at end of shift.

initialed by responsible person before	e work progresses.	Return completed for	m at end of	shift.			
Date (mm/dd/yy):	Pier Number:		Superinte	ndent:			
	SECTION A.	BARGE ACTIVITY	INFORM	ATION			
A1. Environmental Compliance Team (EC	T) Notification (initial or o	ircle NA if not applicable to b	arge activity, see	back for FCT C	ontact Information)		
Notify ECT TWO hours prior to start of Dri	-		otification T				NA
A2. Activity Information (circle one):	B. Casing Installation	n / Removal C. C	Casing Clean	-out	D. Rock Drilling		
Casing Dia(s).:	Activity Start T			1	ctivity End Time (hh:mm	•	
		inie (iii.iiiii).		A	ctivity Life time (iii.iiiii)	· ·	
A3. Spill Prevention (circle NA if not applicable to						1	$\overline{}$
(CP) Spill Kit and SPCC Plan onboard (confir	m spill kit content list is stocked	d, circle and initial)			Initial Here	Y	N
Sheen or spill of ANY size observed		T			Τ.	Y	N
If Yes, immediately notify ECT and take co	rrective action	Persons Notified:			Time Not	fied (hh:mm)	:
A4. Peregrine Falcon Protection (circle NA if	not applicable to barge activity)					
Checkerboard flag installed at top of crane	es (circle one)					Y	N
	SECTION B. C.	ASING INSTALLA	TION / RE	MOVAL			
B1. Sturgeon See Page 2 for Examples. Complete at	end of shift or when fish observ	ved.					
Observer Name:	Sturgeon	observed (circle):	Υ	N	Time(s) observed (hh:	mm):	
If Yes immediately notify ECT Persons Notified: Time Notified (hh:mm):							
B2. Turbidity Curtain					1		
Full-depth turbidity curtain installed prior	to any twisting of the I	Kelly Bar(circle):			Initial Here	Υ	N
Turbidity observed extending beyond the		<u> </u>				Υ	N
If Yes, immediately notify ECT and take co	rrective action	Persons Notified:			Time Not	fied (hh:mm)	:
					•		
	SECTI	ON C. CASING C	LEANOUT				
C1. Cleanout (complete for each pile, circle NA if no	t applicable barge activity)		Pier No.:		Shaft No.	:	NA
(CP) Re-enforced Poly-liner or Filter Fabri	c placed along swing ar	c of crane (circle):			Initial Here	Υ	N
Excavated Material prevented from enter						Υ	N
(CP) 2mm wedge-wire screen used on inta	ake pump for sprayer (d	circle):			Initial Here	Y	N
Spraying of auger or bucket done over sco	ow (circle):					Y	N
						•	
	SEC	TION D. ROCK D	RILLING				
D1. Reverse Circulation Drill (complete for ea	ch pile, circle NA if not applicat	ole barge activity)	Pier No.:		Shaft No.	:	NA
(CP) reverse circulation drill plumbed to a	closed-loop system pr	ior to drilling (circle):			Initial Here	Υ	N
Turbidity observed extending beyond the					<u> </u>	Υ	N
If Yes, immediately notify ECT and take co		Persons Notified:			Time Not	fied (hh:mm)	:
		<u> </u>			I		
Name:		Signature:					

(by signing I certify I have performed the above checks and believe them to be accurate)

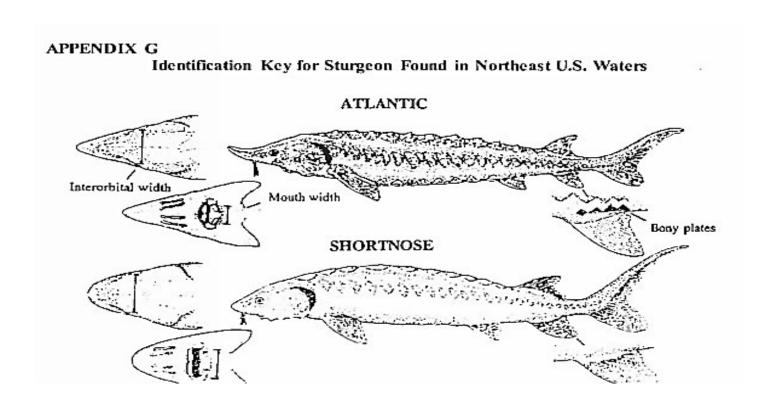
(print)

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

(contact in order shown area someone is reached)				
1. Jefferey Kapus	646-823-4685			
2. Christopher Coccaro	914-907-2024			
3. Zach Osei	917-559-6611			
4. Elena Barnett	914-391-8950			
5. Tim Piazza	845-709-1396			

Examples of a Sturgeon



TAPPAN ZEE CONSTRUCTORS, LLC

ROAD DECK CONCRETE PLACEMENT ENVIRONMENTAL CHECKLIST

Page 1 of ____

INSTRUCTIONS: Complete Section A for all work. Complete Sections B-C as work progresses for those activities. **CHECK POINTS (CP) must be initialed by responsible person before work progresses.** Return completed form at end of shift.

	la	Company to American
Date (mm/dd/yy):	ISpan:	Superintendent:
Date (mm/dd/yy).	Jopani.	Superintendent.

SECTION A. SPAN ACTIVITY INFORMATION

A1. Spill Prevention (circle NA if not applicable to daily barge activity)

(CP) Spill Kit and SPCC Plan onboard (confirm spill kit content list is stocked, circle and initial)				
Sheen or spill of ANY size observed			Υ	N
f Yes, immediately notify ECT and take corrective action			ed (hh:mm):	

A2. Peregrine Falcon Protection (circle NA if not applicable to barge activity)

Checkerboard flag installed at top of cranes (circle one)	Υ	N	NA
Checker board has instanced at top of craires (and one)			

SECTION B. CONCRETE PLACEMENT INFORMATION

(Complete B1. Use additional sheets as necessary.)

B1.1 Water Quality

1. (CP) Secondary containment implemente	d per plan prior to concrete	e placement:				initial here	Υ	N
Type of pour (circle):	Deck Joints	Haur	nches	Approx. Volume (cu yds.):				
2. Concrete contained within primary formwork (circle):			Υ	N				
If No, Notify ECT and take corrective action								
Persons Notified:		Time Notif	ied:					
3. Concrete contained within secondary formwork (circle):			Υ	N				
If No, immediately notify ECT and take corrective action App			ox. Volume	(cu. feet.):				
Persons Notified:		Time Notif	ied:					
4. Secondary containment in place throughout pour			Υ	N				
If No, immediately notify ECT and take corr	ective action		•	•	•			
Persons Notified: Time Not			ied:					

Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

1. Jefferey Kapus	646-823-4685
2. Elena Barnett	914-391-8950
3. Christopher Coccaro	914-907-2024
4. Zachariah Osei	917-559-6611
5. Tim Piazza	845-709-1396

Name:		Signature:	
-	(print)		(by signing I certify I have performed the above checks)

TAPPAN ZEE CONSTRUCTORS, LLC

IN WATER CONCRETE PLACEMENT ENVIRONMENTAL CHECKLIST

Page 1 of ____

INSTRUCTIONS: Complete Section A for all work. Complete Sections B-C as work progresses for those activities.	CHECK POINTS (CP) must be
initialed by responsible person before work progresses. Return completed form at end of shift.	

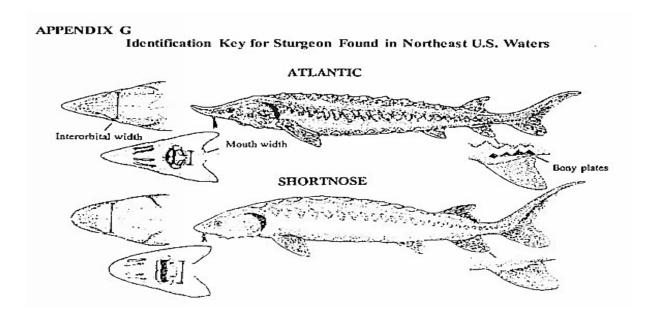
initialed by responsible pers	on before	work pro	gresses. Return completed form	n at end of sl	nift.		,					
Date (mm/dd/yy):												
		SE	CTION A. PIER ACTIVITY I	NFORMA [*]	TION							
A1. Spill Prevention (circle NA if no	t applicable to d	laily barge act	ivity)									
(CP) Spill Kit and SPCC Plan onb	ooard (confirm	spill kit conte	ent list is stocked, circle and initial)				Υ	initial here				
Sheen or spill of ANY size observed Y												
If Yes, immediately notify ECT and take corrective action												
A2. Peregrine Falcon Protectio	n (circle NA if n	ot applicable t	to barge activity)			-						
Checkerboard flag installed at top of cranes (circle one)												
		SI	ECTION B. CONCRETING I	NFORMAT	ΓΙΟΝ		•					
		((Complete B1. Use additional shee	ets as necess	ary.)							
B1.1 Water Quality				Pier No.:								
1. (CP) Formwork properly seal	ed per plan	prior to co	oncrete placement:			initial here	Υ	N				
List location of pour (i.e. Pile Pl	ug, Pile Cap,	Column, I	Pier Cap, etc.):		А	pprox. Volume (cu yds.):						
2. Adequate waste receptacle f	Υ	N										
3. Turbidity observed outside o	f concrete f	ormwork					Y	N				
If Yes, immediately notify ECT a	f Yes, immediately notify ECT and take corrective action											
Persons Notified:	Persons Notified: Time Notified:											
3. Fresh concrete placed into Hudson River												
If Yes, immediately notify ECT and take corrective action Approx. Volume (cu. yds.):												
Persons Notified:			Time Not	ified:								
5. Water containing concrete in	npacted wa	ter placed	into Hudson River				Y	N				
If Yes, immediately notify ECT a	ınd take cor	rective act	ion	Approx. Vol	ume (gal.):						
Persons Notified:			Time Not	ified:								
C1.1 Water Quality	(0	_	ECTION C. DEWATERING II C1 and for each pile cap. Use addi			ssary.)						
Turbidity observed in the vicini	ty of pump o	discharge (circle):				Y	N				
If Yes, immediately notify ECT a	ınd take cor	rective act	ion									
Persons Notified:			Time Not	ified:								
C2.1 Fish See Page 2 for Examples. Cor	mplete at end of	shift or when	fish/ birds observed.									
Observer Name:			Sturgeon observed (circle):	Υ	N	If Yes immediately not	ify ECT					
Time(s) observed (hh:mm):	_		Persons Notified:			Time Notified (hh:mm):						
Other fish observed (circle):	Υ	N	Scavenger bird activity (circle):	Υ	N							
Time Observed:	Species (i	f known):	Quantity	Observed:		Condition:						
Name:			Signature:	(lass at early	I south !	have perferent the L		<u>, </u>				
(print)				(by signing	i certify I	have performed the abo	ve cnecks)				



Environmental Compliance Team Contacts

(contact in order shown until someone is reached)

(00000000000000000000000000000000000000	
1. Jefferey Kapus	646-823-4685
2. Elena Barnett	914-391-8950
3. Christopher Coccaro	914-907-2024
4. Zachariah Osei	917-559-6611
5. Tim Piazza	845-709-1396



WATER QUALITY MONITORING PLAN: VISUAL INSPECTION FORM New NY Bridge Project

TAPPAN ZEE CONSTRUCTORS, LLC

Inspector:				_	Date:			
art 1: Observation	on of Turbidity I	Resulting in a Sul	time Out	Contrast Turbidity	Time of	Time of	Containment	Sturgeon Observed
200011011	Activity	(24-Hr)	(24-Hr)	Observed?	Observation	Notification	Boom in Place?	(Yes / No)
-Water Activities: rrite in)	Dredging/Armori	ng/Cofferdam Con	struction/Cofferda	m De-watering/Imp	oact Pile Driving/Vib	ratory Pile Driving	/Pile Extraction/Pile	De-watering/Other
omments:		(Include file nur	nber of any phot	ographs)				



Observer:

Environmental Compliance Field Report

Location:

1	Date:	·	Day:		Time:			Weather:			
CONSTRUCTORS, LLC	Work Obser	ved:									
		•									
			Work Perf	ormed in Co	ompliance:						
Complia	nce Plan:			Yes/No				C	Comments:		
Land Compliance Plan	Check List:	Place yes	or no in box.	If activity is	not occurri	ng select NA	1				
					Airborne	Materials	Non-Sticker	Vehicle			
Location	Inspected	Stock Piles Covered	SWPP BMPs Effective	Evidence of Spill Present	Dust Observed	Labeled Properly	Equipment used	Tracking Observed		Comments	
Interchange 10											
Rockland Bulkhead											
River Road &				A							
Maintenance Ramps							- April 1				
Interchange 12											
Westchester Landing					# A		l.				
Hudson Harbor							7				
Tomkins Cove											
Other											
General Notes:											
Environmental Actions	Taken:										



Environmental Compliance Field Report

Observer:			Location:			
Date:		Day:		Time:	Weather:	
Work Obse	rved:					

Compliance Plan:			Work Performed in Compliance with Plan: Yes/No					Comments:							
Marine Compliance Plan Check List:				Place	yes or no	in bo	ox. If activ	ity is not	occ	urring sele	ct NA				
Operatio	n	Insp	ected	Pier	Turbidity Observed	Boom Place			Spill Kits Stocked	SPCC Pla	ın	Sturgeon Observed	Flag c		Comments
Pile Driving	;														
Armoring															
Pile Dewater	ring														
Cofferdam Dewatering															
Concreting															
Pile Driving	g Activ	vity Cl	heck Lis	st:		4					1				
Pier	PD S		Pile Nu	mbers	NAS Operating	g	Boom in Place	Ring With	psi nin Specs	Cables Taut		of Shroud tions	Barge Monitor	On Barge Form in Progress	Comments
General No	tes:							4							
Environme	ntal A	Action	s Taker	1:											

Environmental Compliance Field Report

Figure 1 –	Figure 2 –
Figure 3 –	Figure 4 –

Environmental Compliance Field Report

Figure 5 –	Figure 6 –
Figure 7 –	Figure 8 –