

U.S. Army Corps of Engineers, Baltimore District  
Record of Environmental Consideration  
Documentation for Categorical Exclusion under the National Environmental Policy Act

**APPENDIX A - Donjon Marine Displaced Material Processing Plan and Approvals**

Francis Scott Key Bridge Wreckage Removal from the  
Fort McHenry Federal Navigation Channel

June 2024

- A1. Donjon Marine Francis Scott Key Bridge Displaced Material Processing Plan dated May 20, 2024, Revision A5 (29 pages)
- A2. Mixed Material Sediment Analysis dated May 28, 2024 (18 pages). Note: The report does not include General Chemistry and Shipping and Receiving Documents.
- A3. New Jersey Department of Environmental Protection Approvals (8 pages)

**APPENDIX A1:**  
**Donjon Marine Francis Scott Key Bridge Displaced Material Processing Plan,**  
**Revision A5**  
**May 20, 2024**

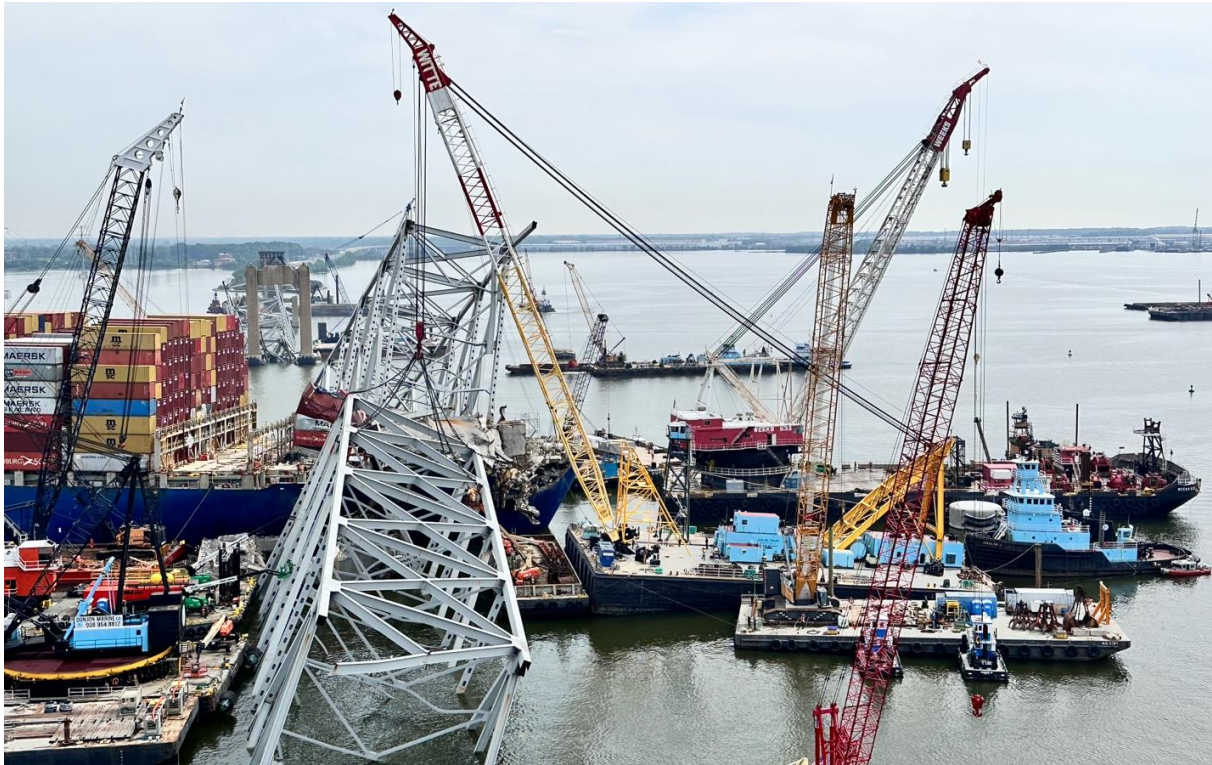


# DONJON MARINE CO., INC.

100 Central Avenue  
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## DONJON MARINE FRANCIS SCOTT KEY BRIDGE DISPLACED MATERIAL PROCESSING PLAN 2024-05-20 REV A5

**DOCUMENT NUMBER:** 24-006-005  
**PROJECT NAME:** FRANCIS SCOTT KEY BRIDGE CHANNEL CLEARING  
**PROJECT NUMBER:** 24-006  
**CLIENT NAME:** US NAVY SUPSALV  
**CLIENT REFERENCE:** 23F4DO3





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## DOCUMENT CONTROL

### Revision Status

Rev	Issue Date	Reason for Issue	Prepared	Checked	Approved
A	16-APR-2024	Issued for Internal Review. Approved by Salvage Unit Leader	ST	TW	
A3	06-May-2024	Revised Disposal Plan for Port Newark, NJ	BH		
A4	08-May-2024	Revised Disposal Plan for Port Newark, NJ	BH	PF/TW	
A5	20-May-2024	Revised Disposal Plan for Port Newark, NJ	BH	PF/TW	



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Document Number:		
Project Name:		
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Revision Status		
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Revision Date:		
Approval Status:		
Prepared By:		
Reviewed By:		
Interdisciplinary Check:		
Approved By:		
Change Log		
Revision	Section	Change



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## 1 GENERAL

### 1.1 INTRODUCTION

The purpose of this plan is to illustrate the protocols and methodology that will be used to process the incoming displaced material from the Key Bridge collapse site to the Donjon processing site at Berth 36, Port Newark, NJ. For the purposes of this document, the material to be processed will be referred to as 'displaced material', ordinarily referred to as "mud". The displaced material to be processed is the result of obstruction removal operations conducted by Donjon Marine in way of the FSKB collapse, while restoring the main federal channel between the main bridge piers which constitute span 18.

All displaced material will be processed by and under the supervision of Donjon Marine at our facility at berth 36, in Port Newark, New Jersey.

### 1.2 DISPLACED MATERIALS TO BERTH 36, NEW JERSEY

Port Newark is the most efficient and cost-effective location to process the displaced material. Located at berth 36 in Port Newark, the permitted processing plant is well equipped to process the displaced material recovered during the Channel Clearance operations. The area consists of approximately 3 acres at a quayside and is fully prepared for processing the materials.

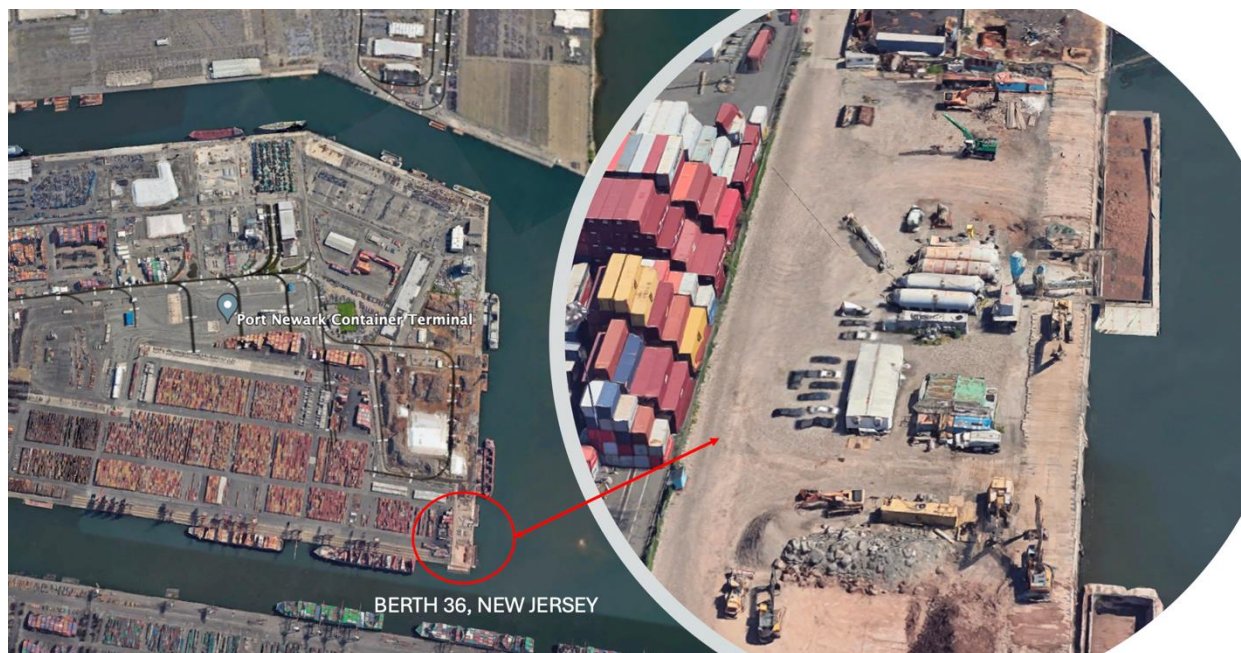


Figure 1 Oversight Processing @ Berth 36, New Jersey



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## 2 PROCESSING METHODOLOGY

Donjon Marine will be using mechanical buckets to conduct obstruction removal in and around the vicinity of the FSKB Federal Channel. Mechanical bucketing will be performed with a series of 75' cuts. Obstruction removal will be performed with hard digging buckets to the allowable depth required by Navy SupSalv specs. As each scow is loaded, it will be replaced with a lite scow. Each loaded scow will be towed to TPA to be transloaded into ABS Classed Dump Scows or ABS Classed Hopper Scows. Once the dump scows or hopper scows are loaded, they will be towed directly to Donjon's processing plant located at Berth 36 in Port Newark, NJ.

### 2.1 GENERAL PROCESS HANDLING DISPLACED MATERIAL

The process for handling the displaced material will be as follows:

1. Processing operations will be in accordance with the Water Front Development permit. Each scow will be raked to remove debris. Debris encountered will be placed into pre-positioned roll-off boxes at berths 36 and 32. Donjon will transport the loaded roll off boxes to a permitted landfill facility for certified weights and disposal at a permitted solid waste facility.
2. Each barge, upon completion of debris removal, will be advanced under the cement delivery system for addition of cement and appropriate mixing of the dredged material. Each barge, designated by name, date and barge load number, will be measured to determine the volume of dredged material in the barge prior to cement addition. This will be used to determine the appropriate volume of cement required for processing.
3. The remaining displaced material kept in the hopper scow will then be processed with 7-8% Portland cement while still inside the barge, and subsequently mixed with a Cat 385 excavator equipped with a hydraulic mixing head (Cut Sheet of the mixing head is below). The excavator will mix the Portland cement and displaced material until the mixture thickens, solidifies and cures.
4. At the conclusion of the cement addition and mixing operation, the barge will be towed to a holding area and allowed to cure for approximately 24 hours. Each barge will be off-loaded by a five cubic yard clamshell after allowing sufficient time for curing. Barges will be offloaded into the stockpile area or directly into tri-axle trucks. Material will be tracked as applicable depending upon the offloading location.
5. The material will then be offloaded into dump trucks at the facility using an off loader equipped with a 5 CY hydraulic clamshell. The offloaded material will be trucked to permitted disposal sites in accordance with all applicable permits and Authorized Use Determination (AUD).
6. The treated material will be managed at one of the New Jersey or Pennsylvania sites, in accordance with the respective Acceptable Use Determination and Beneficial Use Determination stipulations for the project.
7. Donjon Marine has performed numerous projects for the USACE and PANYNJ within the New York and New Jersey Harbor system. The processing facility has treated and placed over 10,000,000 cubic yards of dredge material at upland sites since its opening, utilizing the same system and a similar array of upland sites outlined for this project.



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Figure 2 Grapple on Excavator assist mixing mud/concrete Specs: 7'4" Wide X 6'6" long with 12" spaces.



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Figure 3 Example set-up @ Donjon New Jersey site

Cement Chute – Barge is brought by tug under chute and Portland cement is added.



Figure 4 Mixture of displaced materials and Portland cement is placed in piles to dry out the moisture



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## HEALTH, SAFETY AND ENVIRONMENTAL ASPECTS

The operations to be carried out will be executed under the Donjon Marine Safety Management protocols, as detailed in the Donjon Marine Health and Safety Plan.

Examples of Safety considerations in the Health and Safety Plan include, but are not limited to the following:

1. Appropriate Personal Protective Equipment (PPE) will be worn by all personnel involved in the operations.
2. Personal Floating Devices (PFD's) will be donned when working on or near water.



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## 3 (FLOATING) ASSETS & EQUIPMENT

The management for the processing of all materials will be under Donjon Marine. All floating assets (vessels) and equipment to be used during the handling, transporting, offloading and processing of displaced materials will be under the authority of senior Donjon management, including Project Manager, Salvage Master, Facility Manager, Safety Officer and others.

### 3.1 FLOATING (LIFTING) ASSETS & BUCKETS

The barges and hopper scows will be tended by Donjon Marine tugs for the duration of all operations. The operation is further assisted by survey crews and safety boats.

A sample list of floating assets (debris barges and hopper scows) will be updated as necessary during the project.

#### 3.1.1 EXCAVATOR & MIXING UNIT



Figure 5 Cat 375 excavator fitted with Mixing Unit



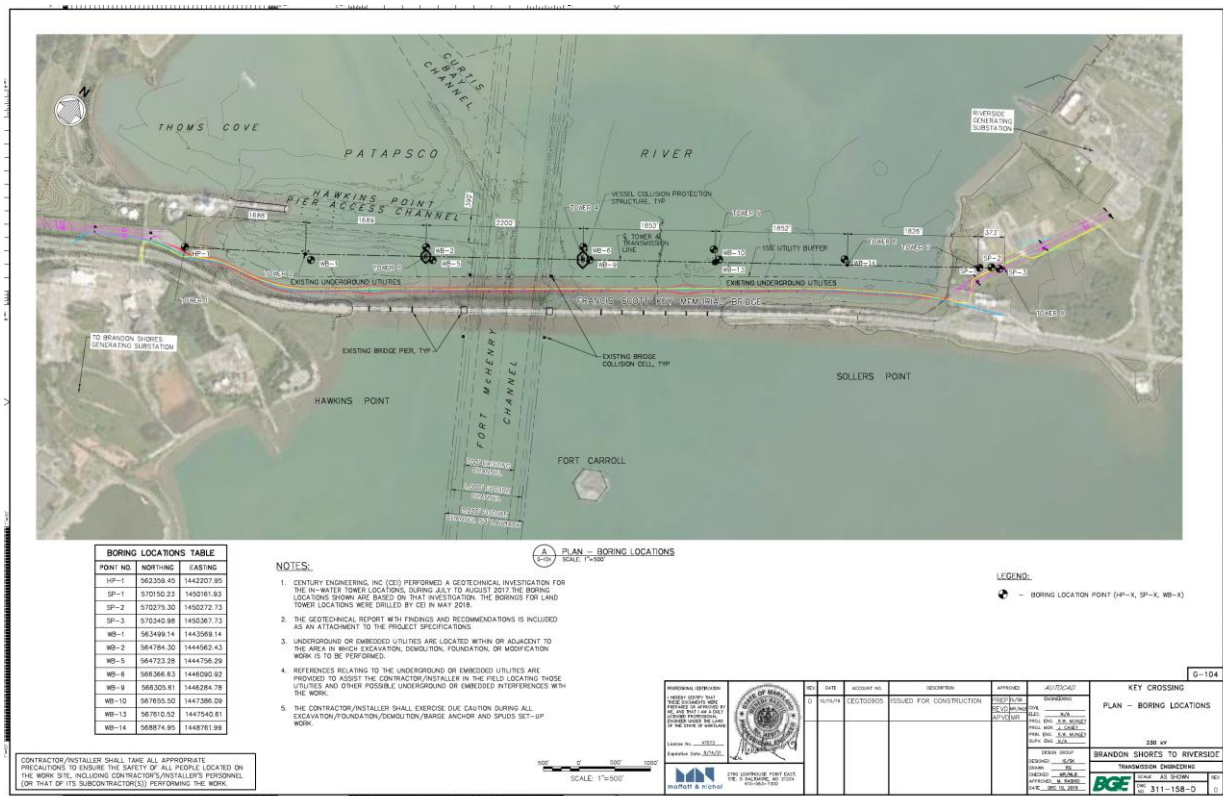
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## 4 ATTACHMENTS

### 4.1 SAMPLING ANALYSIS INCORPORATED BY REFERENCE

Baltimore Harbor sediment sampling 2018





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— Sender —

Name: PAYSON.ANDREW.WALTER  
Organization: USARMY  
Email Address: [andrew.w.payson@usace.army.mil](mailto:andrew.w.payson@usace.army.mil)

— Files —

Name: FY17 Baltimore Harbor Sediment Evaluation Final.pdf  
Size: 7347455  
SHA-256 Checksum: 072C067D048B810B69E5E430812EAE5DF63131CB49F1941EFE1D2C9E3283F1B3  
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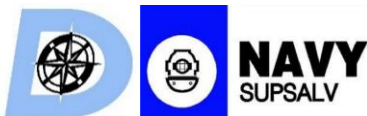
Name: FY17 Baltimore Harbor - Appendix C - Part 1.pdf  
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Content Type: application/pdf

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Content Type: application/pdf

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SHA-256 Checksum: C28BF1293CEB8273BA5184F234BB27651B2C3A33F591100F954BA0DE2C2667B5  
Content Type: application/pdf

## 4.2 USACE REQUIREMENTS LETTER 20 MAY 2024



Information on NJ Processing Site  
Francis Scott Key Bridge – Channel Clearing



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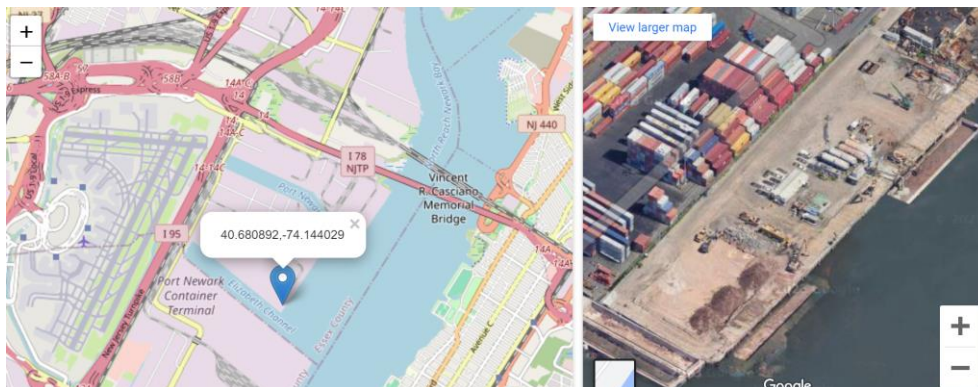
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**From:** May, Kristina K CIV USARMY CENAB (USA) <[Kristina.K.May@usace.army.mil](mailto:Kristina.K.May@usace.army.mil)>  
**Sent:** Monday, May 20, 2024 10:49 AM

Thanks for the information on the NJ processing site. Some of the information I need was not included in the packet you sent. Can you please provide the following:

- I understand that DonJon operates the site. Who owns the site?
- The route that will be taken to get to the NJ site.
- Short description of sediment and erosion controls that will be used at the site (e.g., silt screen).
- Copies of all necessary approvals for use of the NJ site (erosion and sediment control, stormwater approvals, etc.).
- Need more info on the scow transition at TPA. Where is this taking place and a brief description on how it's conducted.



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## Address

Calcutta St. Port Newark, N.J. located along the Newark Bay

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## Owner of Site

Berth 36 is owned by the Port Authority of NY & NJ. Donjon leases the subject property from the Port Authority on a long term basis.

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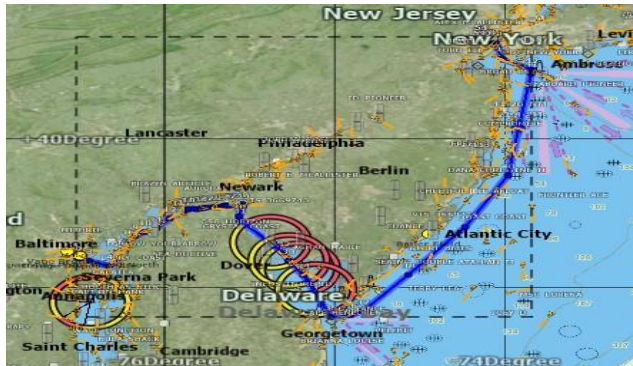
## Tug Boat Route to the Donjon Marine Processing Plant

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Sparrow Point to B36 Port Newark

Total distance: 250 NM

## Description of Sediment & Erosion Control

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The material is Processed (ie mixed with cement) within the cargo compartment of the barge that the material is contained in so there is no chance of losing material while still contained in the material barge. Once the material is “bulked” (ie mixed with cement), with the use of hydraulic excavators, the material is then removed from the barge while dockside and placed onto a 200' X 150' cement berm area for loadout to trucks. Erosion control at Berth 36 is managed on a fully bermed concrete pad with catch basins, Bayshore has similar controls and the Kinsley's site has a leachate collection system, and fully bermed facility with an engineered storm water management system. No silk screens are required by permit based upon this approved methodology.

## Transloading of displaced material at Sparrows Point

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The majority of displaced material that is recovered during the clearing of the Federal Channel at Key Bridge is loaded from the hard digging bucket directly into ABS Classed Dump Scows or ABS Classed Hopper Scows in order to be towed to the Donjon facility in Port Newark, NJ for processing. This methodology does not require transloading from one scow to another.

During the early stages of the channel clearing using hard buckets, the ABS Classed scows were not yet available. Donjon loaded displaced material into river scows in order to expedite the channel clearing, thus helping the Port of Baltimore to reopen and allow larger vessels to generate commerce for the port.

Transloading of the river scows is accomplished using the hard digging bucket. Both loaded river scow and ABS Classed hopper scow are moored close alongside, side shell to side shell. This methodology allows for the direct transfer of displaced material from one barge to the other. In the event any small quantity of displaced material is released from the bucket while being transloaded, the material is recovered using a handheld shovel by the Donjon crew and is then dumped into the ABS scow.



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## 4.3 DONJON AUD COVER LETTER 09 MAY 2024



## DONJON MARINE CO., INC.

100 CENTRAL AVENUE  
HILLSIDE, NEW JERSEY 07205 U.S.A.

May 9, 2024

Gary Nickerson  
New Jersey Department of Environmental Protection  
Division of Dredge Sediment Technology  
501 East State Street  
Trenton, New Jersey 08625

Re: Baltimore Key Bridge Response Dredge Sediment Management

Dear Mr. Nickerson,

Donjon Marine Co., Inc. (Donjon) has been tasked with the management of the sediment involved with the response for the above referenced project. Please find an Acceptable Use Determination request attached along with a conditional letter of acceptance from the Kinsley's Landfill placement site.

Sampling commenced Monday and is expected to continue through this week. Data is being generated on a daily basis. Dioxin samples are expected to report next week. Sediment will be transported from the Baltimore site commencing tomorrow, with expected delivery this weekend of the first barge.

If you have any questions, please contact me at (908) 964-8812.

Sincerely,

Kerri K. Mullins



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## 4.4 ACCEPTABLE USE DETERMINATION REQUEST

### Acceptable Use Determination Request

#### Introduction

Donjon Marine Co., Inc. (Donjon) has been chosen to process displaced material that is recovered during Federal Channel clearing at the Key Bridge project site, Baltimore, Md. Donjon is requesting the approval of the utilization of the following facilities and placement locations for the processed displaced material from the project:

Donjon Marine Co., Inc.  
Dredge Material Processing Facility  
Berth 36  
Port Newark, New Jersey  
5,000 cubic yards/day

Kinsley's Landfill, Inc.  
2025 Delsea Dr.  
Sewell, New Jersey  
70,000 cubic yards for this project  
2,000 cubic yards/day

- a) *Photocopies of documents as evidence of all authorizations and permits for siting, construction and operation of the acceptable use project, and evidence of conformance with, or applications for authorizations from, all local, regional, State or Federal requirements of any governmental agency, or other body with jurisdiction over any aspect of the proposed project. If all such evidence of authorizations and permits has not been obtained then evidence of applicable correspondence and records of preapplication meetings and other such evidence as shall document the securing of the necessary permits and authorizations shall be submitted:*

Each of these sites is fully permitted and will be operational for the receipt of processed displaced material for the duration of the project period.

- b) *A description of the geographical location of the acceptable use project, identifying the name of the municipality in which the acceptable use project is located and the street address of the project;*

Kinsley's is the site of a former operating landfill transitioning into a solar farm.

- c) *A copy of the tax map showing the lot and block number of the acceptable use project site(s) and of all adjoining properties;*

The tax map for each site is included in the facility's permits on file with the Department.

- d) *A description of the current use of the acceptable use project site(s) and of all the adjoining properties;*

Kinsley's is gradually transitioning from landfill operations to a solar farm.



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*e) Three copies of a site plan where the displaced material, admixtures and product are managed or used plotted on a USGS topographic map. The site plan map shall be prepared, signed, and sealed by a licensed New Jersey professional engineer or surveyor.*

Site plans are included in the facility's respective permits.

*f) A description of the type(s) and number of any containers that will be used for the project and the type and means of storage and staging of the containers;*

Donjon does not anticipate the use of any containers for the project for containment of processed displaced material. Additives, Portland cement, will be stored in cement blimps, i.e. over-sized cement tankers attached to the Donjon cement delivery system. The bag house will provide particulate controls during the receipt and transfer of displaced materials.

*g) A description of any treatment or processing of the displaced material, admixtures and product at the acceptable use project;*

Donjon plans to utilize Type II or I/II Portland cement to treat the displaced material. Donjon will treat each barge or scow with a minimum of 8%, by volume, Portland cement. The final product is a soil-like material suitable for structural fill or capping purposes. Donjon's process involves performing the addition in the scow, versus an on-shore pug mill. The processed material may be off-loaded as a pourable fill or allowed to cure to the point that the material is a soil-like consistency. The product demonstrates excellent treatment performance based upon the analytical results of the multiple extraction procedures.

The product follows normal cement chemistry properties and as such gains strength for about 28 days after processing. The product performs the best when it is placed and graded and left undisturbed to finish curing. A more detailed description of the treatment process is included in the existing treatment permit.

*h) A copy of the deed of record establishing ownership of the acceptable use project property or, if the applicant is a person other than the landowner, a legal agreement (for example, a lease) to use the real property for the purpose of operating the acceptable use project; and*

These documents are included in the respective facilities' permits.

*i) A description of any past or ongoing regulatory activity at the acceptable use project.*

There are no regulatory activities in progress at this time at the site.

3. The schedule for initiation and completion of the acceptable use project.

Donjon anticipates performing the recovery and processing operations over a period of two months. Operations are currently anticipated to commence during May of 2024.

Delivery of displaced material is anticipated to commence within two days of completion of loading from the Key Bridge site. Hopper barges of this displaced material will be treated, offloaded and trucked to the permitted site on a barge by barge basis. Operations are anticipated to require approximately 2 months and will be executed consecutively.



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4. A thorough description of the destination of all admixtures, products or wastes that will be moved from the site of use, the purpose for such disposition, and copies of any State or other authorizations, or applications for those authorizations, required for receipt or use of such materials at the disposition site.

Donjon will process the displaced material in Port Newark with a minimum of 8% Portland cement. Donjon does not utilize other admixtures. At this point, the material will be utilized for fill purposes at the Kinsley's Landfill site.

5. The Department may specify and require additional information from the applicant in order to ensure that the proposed acceptable use and all activities related to that use will meet the requirements of the AUD.

Donjon will supply any additional information required.

## Operating Conditions

1. Any control provisions, including institutional controls such as, but not limited to, a Declaration of Environmental Restriction (DER), and engineering controls as necessary to protect human health and the environment.

Kingsley would utilize the material for capping the top and slopes of the landfill prior to solar panel installation, a portion of the site has already transitioned to solar fields.

2. Specific operational requirements including; hours of operation, truck routing, dust control provisions, noise limitations.

The Kingsley site would operate six days per week based upon landfill hours of operation.

All transport routes utilize highways and commercial truck routes to each location.

Dust control will be maintained through the use of a water truck at the site. Roadway tracking issues will be managed through the use of a tracking pad, as well as, the use of a street sweeper if needed.

There are no noise limitations at these sites.

3. Production criteria including admixture quality determination procedures, admixture quality limitations and blending ratios, and quality control procedures and criteria.

Donjon owns or has chartered the barges and scows which will be utilized to process the displaced material. Each barge's individual hopper dimensions have each been calculated. The Donjon NAVARC has developed specific hydrostatic tables for each barge, which will be used to determine the accurate volume of displaced material loaded into each barge.

The operator calculates the time each section must remain under the delivery spout. The delivery system operates between 75 and 150 tons per hour. The following example describes the process from beginning to end:



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At the Port Newark facility, Donjon will rake the scow to remove any debris. Any recovered debris will be placed into roll-off boxes staged in a containment area on the pier for management as solid waste.

After debris removal, the displaced material will advance for additive application. This involves the addition of 8% Portland cement, by volume, into the scow. The material is delivered via a screw conveyor through a metered flow rate providing steady delivery and accurate additive rates. Each section of the scow is clearly marked to facilitate the appropriate volume per section is applied. A high speed mixing head disperses the cement throughout the displaced material creating a homogenous blend of additives within the displaced material.

The processed scow of displaced material will then be allowed to cure for approximately 24 hours, or as needed, prior to off-loading. This provides better handling characteristics for the material. Off-loading will occur at the Berth 36 permitted facility. The material will either be placed into a stockpile and then into tri-axle trucks or directly into tri-axle trucks for transport to the designated sites. Truck flow into this facility is limited to 100 truckloads maximum and is also weather dependent, i.e. not open if raining or just after rain events.

Prior to exiting Berth 36, each truck will have its tires and body decontaminated. This will prevent tracking of the material onto public roadways. Each truck will receive a bill of lading. This bill of lading will be utilized at the landfill to record each truck received and its placement location at the site.

4. Product application criteria such as depth of application, application conditions, maintenance, soil erosion and sediment control requirements, and site condition monitoring provision.

All sites will have silt fencing installed around the perimeter in accordance with their respective soil erosion control plans. This is inspected daily to determine that the fencing is performing as intended. Additional barrier material may also be installed if required.

Processed displaced material is anticipated to be placed into stockpiles or surcharge areas at the site. The stockpiling operation will be performed by excavators and dozers.

5. Any other requirements and limitations for use of admixtures, products or other materials, and operation of the acceptable use project as shall be determined by the Department on a case-by-case basis.

At this point in time, Donjon anticipates utilizing Portland cement as the only admixture for the treatment of the displaced material. Should other additives be considered, these will be submitted to the NJDEP for approval prior to utilization.



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## 4.5 CONDITIONAL LETTER OF ACCEPTANCE KINSEY LANDFILL 06 MAY 2024



May 6, 2024

Ms. Kerri Mullins  
Donjon Marine Co., Inc.  
100 Central Avenue  
Hillside, NJ 07205

Re: Kinsley's Landfill, Inc. Candidate Regrade Material – Conditional Acceptance  
Rebco Contracting Corp./Donjon Marine Co., Inc. – Baltimore Bridge Collapse Dredge

Dear Gary:

Cornerstone Environmental Group, LLC (Cornerstone) – A Tetra Tech Company has prepared this letter on behalf of Kinsley's Landfill, Inc. (KLI) for the conditional acceptance and use of dredge material from the Rebco Contracting Corp./ Donjon Marine Co., Inc. for the Baltimore Bridge Collapse Dredge project. KLI is approved to accept materials for regrading activities at the landfill in accordance with KLI's Material Acceptance Protocol (MAP), which has been approved by the New Jersey Department of Environmental Protection (NJDEP).

Cornerstone reviewed the historical analytical data prepared by EA Engineering, Science, and Technology Inc. (EA) which summarizes the analytical results for the analysis performed on one (1) sample of candidate dredge material located in the Fort McHenry Channel provided by Rebco Contracting Corp./ Donjon Marine Co., Inc. for the Baltimore Bridge Collapse Dredge project. The sample was collected between April 23, 2018 and April 24, 2018 and the EA project number for the analysis is FTM19-COMP-SED.

Cornerstone has reviewed the analytical report to compare the concentration of the analyzed constituent parameters with approved parameters as defined by the New Jersey Soil Remediation Standards, NJAC 7:26D for Residential Soil Remediation Standard (RSRS) and Non-Residential Soil Remediation Standard (NRSRS).

As a result of our review based on the analytical results provided, we have determined that the compounds listed under NJAC 7:26D were found to be below the NRSRS. In accordance with the NJDEP – approved MAP prepared for KLI, the historical analytical sample meets Non-Residential standards.

As a condition of this acceptance, and prior to final acceptance into KLI, recent analytical results including all constituents listed under NJAC 7:26D meeting the RSRS or NRSRS, physical testing for grain size, standard proctor and permeability, a material acceptance form (MAF) and an acceptable use determination (AUD) must be completed and provided to Cornerstone prior to delivery to KLI. A site inspection must also be completed by Cornerstone prior to delivery to KLI. In addition, the dredge material must be structurally stabilized or amended off site prior to delivery and must arrive at KLI in a compactable state in accordance with the MAP criteria.

The quantity of dredge material for the Baltimore Bridge Collapse Site project is approximately 70,000 cubic yards. The sampling frequency for dredge projects is as approved by NJDEP through their issuance of an AUD. Contingent upon the conditions of this acceptance, KLI may accept the quantity of material that will be established by the AUD, estimated to be 70,000 cubic yards.

**TETRA TECH**

100 Crystal Run Road, Suite 101, Middletown, NY 10941  
Tel 877.294.9070 Fax 877.845.1456 [tetratech.com](http://tetratech.com)



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100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

Ms. Kerri Mullins  
May 6, 2024

Sincerely,

CORNERSTONE ENVIRONMENTAL GROUP, LLC – A TETRA TECH COMPANY

Daryl R. O'Dell, P.E.  
Client Manager

cc: Gary DeFranco – Kinsley's Landfill, Inc.



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

## 4.6 BAY SHORE RECYCLING PROPOSAL 07 MAY 2024

### BAYSHORE

Your recycling solution.

Phone: 732-738-6000 • Fax: 732-738-9150  
www.bayshorerecycling.com • sales@bayshorerecycling.com

<b>To:</b>	Kerri Mullins	<b>From:</b>	Al Ludwig
<b>Company:</b>	Donjon Marine Co., Inc. 100 Central Avenue Hillside, New Jersey 07205	<b>Date:</b>	May 7, 2024
<b>Phone:</b>	908.964.8812	<b>Email:</b>	kerri.mullins@donjon.com

#### **Job Name: Baltimore Key Bridge Response - Processed Dredge Material Offload, Storage & Transfer**

Bayshore Recycling Corp (Bayshore) is pleased to provide the following proposal to offload barges for storage of Processed Dredged Material (PDM) originating from the Baltimore Key Bridge Response Project. Bayshore will utilize clamshell buckets or similar equipment to offload 50,000 to 70,000 CY of PDM. Bayshore proposes to transfer the PDM from barges into tri-axle dump trucks, when possible for direct load-and-go to the designated upland disposal facility. When direct load is not possible, Bayshore proposes to off-load PDM into Yukes to transfer the PDM to the facility's designated PDM Storage Area where the dredged material will be stockpiled until the upland disposal facility is able to receive the material. Upland disposal facility approval will be obtained by Donjon, and scheduling and off-site trucking will be coordinated by Donjon and communicated to Bayshore. Scheduling to be communicated by 1pm the day before loading/trucking is needed. Depending on the upland disposal site logistics and scheduling, PDM may be stockpiled at Bayshore in the designated PDM Storage Area as allowed by NJDEP.

#### **RESPONSIBILITY OF DONJON MARINE:**

- Dewater/decant and amend/process the dredged material in accordance with NJDEP Permits prior to acceptance;
- Provide Bayshore with copies of the applicable permits (AUD, Army Corps., etc.) to facilitate the work;
- Remove all debris to be managed as solid waste prior to acceptance at Bayshore;
- Facilitate approval to the upland disposal facility and update AUD as necessary; provide Bayshore with copies of approvals;
- Provide the tugboat and barge for transporting processed dredged material to Bayshore's Waterfront Facility;
- Provide third party surveyor (MIL) for each barge prior to offloading, and subsequent to offloading for barge quantities to be shared with Bayshore. As agreed, Bayshore will add 10% to the volume of the MIL Survey when billing, to account for the cement. Delays in initial survey may impact offloading schedule;
- Communication of project scheduling, barge arrivals and upland disposal facility scheduling per occurrence and any changes should be communicated as soon as possible;
- Provide a Certificate of Insurance naming BRC and its affiliates as additionally insured.
- Provide trucking for the transfer of PDM from the Storage Area to the approved upland disposal facility for PDM. Trucking should be maximized as allowed by the upland disposal facility, and to minimize time stockpiled at Bayshore;

#### **RESPONSIBILITY OF BAYSHORE RECYCLING CORP:**

- Provide necessary machinery for offloading and stockpiling of processed dredged material within the designated PDM Storage Area; Bayshore will offload barges which we understand will be received sporadically, Monday through Saturday, subsequent to MIL survey.
- Provide designated PDM Storage Area in accordance with DEP approval; PDM stockpiled within the storage area will be labeled and segregated from all other materials and/or projects.



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

## BAYSHORE

Your recycling solution.

Phone: 732-738-6000 • Fax: 732-738-9150  
[www.bayshorerecycling.com](http://www.bayshorerecycling.com) • [sales@bayshorerecycling.com](mailto:sales@bayshorerecycling.com)

- Provide necessary machinery for the loading of PDM into trucks for transfer to the upland disposal facility.
- Provide a Certificate of Insurance naming Donjon Marine Co., Inc. as additionally insured.

### COST OF SERVICES:

Barge Offloading, transfer to PDM Storage Area, Loadout:	\$25.00 per CYD (based on MIL onboard survey)
Cleaning (broom swept) of Barge if required:	\$3,000.00 per barge
Solid Waste Disposal of Debris:	\$120.00 per ton
Transportation of Debris:	\$400.00 per load

Please note that an Acceptable Use Determination (AUD) issued by the NJDEP will be required prior to receiving dredged material. Project acceptance and costs are subject to schedule availability, approval and acceptance of the Dredged Material at the intended upland disposal site. This quote is valid through 2024. Payment Terms are Net 30 Days from date of invoice.

Thank you for this opportunity to present this proposal. If you have any questions, please feel free to contact me or Jennifer Solewski at 732-738-6000. Prices agreed to and accepted by:

\_\_\_\_\_  
Al Ludwig  
Bayshore Recycling Corp

\_\_\_\_\_  
Thomas Witte / Kerri Mullins  
Donjon Marine Co., Inc.

A signed copy of this document must be accompanied by a Tax Exempt Certificate (if applicable) and returned to our Sales Office prior to starting this project. If a Tax Exempt Certificate is not provided, New Jersey sales tax will be invoiced (if applicable) and can not be refunded by Bayshore Recycling Corp. Payment terms and conditions will be determined prior to the start of the project. If credit is required, a credit application package must be completed and approved prior to the start of the project. Availability of material is based on project start date. It is the responsibility of the company requesting this quote to perform any analytical or structural pre-approval testing prior to receiving any material. Recycled products, due to asphalt content, may or may not meet the NJ Residential Standards. Please specify in advance if the NJ Residential Certifications are required. Once material is delivered it becomes the client's property. Any material that is not listed on this price quote will be given to the customer as list price unless otherwise agreed upon. In the event that this contract is referred to an attorney for the collection or for the recovery of any payment due under this contract or for the breach of any provision of this contract, the client agrees to pay Bayshore Recycling Corp its reasonable counsel fees and cost of collection, whether or not legal action is instituted. Client further agrees that if a judgment is entered in any action, the amount of such fees shall form a part of such judgment in addition to any fees allowed by statute or rule of the court. This quotation is based on state and federal regulations presently in effect. Transportation will be provided with non-union, non-prevailing wages and prices are good for 30 days. Should the state or federal government revise the relevant regulations, Bayshore Recycling Corp reserves the right to amend its proposal. By counter signature, written purchase order or other method of authorization to proceed, the customer agrees to all terms and conditions as noted herein. Sales tax (if applicable) not included. Additionally, the customer agrees to pay a 1.5% interest charge on all invoices past 30 days. Thank you for the opportunity to present this proposal.



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

## 4.7 ACCEPTABLE USE DETERMINATION DONJON PROCESSING FACILITY



### State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Office of Dredging and Sediment Technology  
P.O. Box 028  
Trenton, NJ 08625  
(609) 292-1250  
FAX (609) 777-1914

JON S. CORZINE  
*Governor*

LISA P. JACKSON  
*Commissioner*

Ms. Kerrie Mullins  
Donjon Marine Company, Inc.  
1250 Liberty Avenue  
Hillside, NJ 07206

June 30, 2008

RE: Acceptable Use Determination for Donjon Marine Processing Facility

Dear Ms. Mullins:

This is in response to a letter, dated March 14, 2008, written by Kenneth L. Woodruff and Associates on behalf of Donjon Marine Company, Inc. in which a renewal of the Acceptable Use Determination (AUD) issued for the operation of the dredged material processing facility was requested. The March 14, 2008 letter also requested a 5- year extension of the Waterfront Development Permit/Acceptable Use Determination issued in May 2003. However, it is not necessary to extend the WFD permit since the construction activities authorized by the existing permit have been completed, no new development is proposed at this time which would require a new WFD permit pursuant to N.J.A.C. 7:7-2.3. Therefore, this letter serves to provide Donjon Marine Company, Inc. with a stand-alone operating AUD for the facility. The conditions for operation of the facility are as follows:

#### ACCEPTABLE USE DETERMINATION (AUD)

1. This AUD is issued to allow for the off-loading and processing of dredged material at the subject site provided all conditions included herein are met. No dredged material may be processed at this site unless that dredged material has received a Waterfront Development Permit and/or an Acceptable Use Determination, or a written waiver from these requirements. Dredged material processed at this site shall be blended with the approved add mixtures at the ratio specified in the AUD for the specific dredged material.
2. No dredged material shall be off-loaded and/or processed at this facility unless an AUD has been issued for the acceptable use site if it located in the State of New Jersey.
3. This AUD only authorizes the use of Portland Cement as the additive at this facility. If the facility proposes to use a different admixture other than Portland Cement, the permittee shall submit an application to modify this AUD, and receive written authorization from the Department, prior to use of the new additive. That application must include all relevant information found in the Department's dredging technical manual, and any subsequent amendments thereto including but not limited to: the source of additives, Material Data Safety Sheets, etc.
4. A spill plate shall be installed during the off-loading of material from the dredge scow to the storage area. The spill plate shall remain in place during the entire off-loading process.



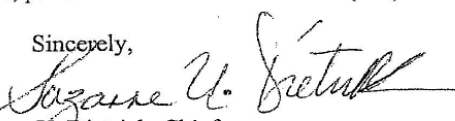
# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

5. Unprocessed or processed dredged material may also be off-loaded at the Metals Management Dredge Material Transfer Facility located at Berth 30/32 (DEP File #0714-01-0004.1). Conditions related to this facility's operation are included in the existing permit.
6. A maximum of **14,000** cubic yards of dredged material may be stored at this site at any one time other than material stored in barges. Stored dredged material shall be kept sufficiently wet to avoid the release of fugitive dust. Any visible loss of fugitive dust from this facility may be considered a violation of this condition and permit.
7. Upon anticipated cessation of dredged material off-loading for any period of time in excess of seven days, the permittee shall undertake clean up of the site in accordance with the procedure outlined in the Operation and Management Plan that currently existing for the facility.
8. The dredged material processing facility shall maintain daily records noting the transportation vehicle identification number (truck and scow), material quantity, source and destination for all dredged material and admixtures entering and leaving the facility. The permittee shall submit a semi-annual report that details this information to the Department.
9. Donjon Marine shall comply with the conditions specified in the Operation and Management (O&M) Plan for the facility.
10. Any major accidental release of dredged material, add mixture or processed dredged material shall be immediately reported to the DEP Emergency Response 24-Hour Hotline at (609) 292-7172. The report must specify the type of substance discharged, estimated quantity, nature of the discharge, location of the discharge, any action being taken to mitigate the discharge and any other information the Department may request at the time of notification.
11. The Department reserves the right to revise or terminate this authorization at any time as a response to any: complaints, violations of this authorization or its conditions, any violation of any related permit and their conditions and / or failure to comply with the Department's Acceptable Use Criteria for the end use site.

If you have any questions regarding the above, please feel free to contact me at (609) 292-8838.

Sincerely,

  
Suzanne U. Dietrick, Chief  
Office of Dredging and Sediment Technology  
Site Remediation Program

C: Mr. Kenneth Woodruff  
Kenneth Woodruff and Associates  
182 Walton Drive  
P.O. Box 42  
Morrisville, PA 19067



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

## 4.8 AUD APPROVAL FOR OUT OF STATE MATERIAL 10 MAY 2024



### State of New Jersey

PHILIP D. MURPHY  
Governor

TAHESHA L. WAY  
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Watershed & Land Management Program  
Mail Code 501-02A  
P.O. Box 420  
Trenton, New Jersey 08625-0420  
[www.nj.gov/dep/landuse](http://www.nj.gov/dep/landuse)

SHAWN M. LATOURETTE  
Commissioner

May 10, 2024

Kerri K. Mullins  
Donjon Marine Co., Inc.  
100 Central Avenue  
Hillside, New Jersey 07205

RE: Out-of-State Acceptable Use Determination  
File and Activity No.: 9999-18-0002.1 DRG240001  
Applicant: Donjon Marine Co Inc.  
Project: Baltimore Key Bridge Response Sediment Management

Dear Ms. Mullins:

This letter is forwarded in response to your request, dated May 9, 2024, for an Out-of-State Acceptable Use Determination (AUD) for the above project. Approximately 50,000 to 70,000 cubic yards of sediment from the Baltimore Key Bridge Response project are proposed to be processed at the Donjon Marine Co., Inc Facility in Newark, with offloading and staging at the Donjon facility and/or the Bayshore Recycling Corp facility in Keasbey, NJ. Final placement of said material is proposed at Kinsley's Landfill, Inc.

Due to the nature of the project, sediment will be characterized in-situ with other material being sampled in barges. As a complete sediment data package for the entire project is not available, material can only be authorized on a per-barge basis. The Department has reviewed preliminary sediment data from 6 barges presented in the AUD application, representing approximately 11,000 cubic yards of material. It is understood that additional dioxin data will be provided as it becomes available. The AUD is hereby issued and is subject to the following conditions:

#### Acceptable Use Determination

1. The 11,000 cubic yards of non-HARS suitable material from the Baltimore Key Bridge Response, in barges HG209, HG203, HG210, 1406, 3301, 3302 shall be processed using a minimum of 8% Portland Cement at the designated processing facility consistent with the testing of the material as required by the upland placement site.
2. Prior to offsite placement of the 11,000 of cubic yards of material from the project, Donjon shall provide (1) dioxin analysis from the above referenced barges to ODST via email, (2) an updated letter of acceptance from Kinsley's Landfill, Inc, for said material, and (3) receive written approval from this office confirming suitability for placement at the Kinsley site.



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

3. The identified processing facility for material shall comply with all conditions imposed in the WFD/AUD and any subsequent modifications or renewals thereto for the dredged material processing facility.
4. This permit conditionally authorizes the placement of approximately 11,000 cubic yards of non-HARS suitable material from this project at the following upland placement site:

**Kingsley Landfill**

The designated contractor shall comply with all conditions specified in the July 2015 Material Acceptance Plan, and the July 1, 2014, Sanitary Landfill Major Disruption Approval (Facility PI#133551), and any amendments thereto.

The permittee, or the designated contractor, is responsible for any additional sampling/analyses of the dredged material as required by the landfill approvals and authorizations.

5. The designated contractor shall comply with all conditions imposed in the May 6, 2024, letter of acceptance from Daryl R. O'Dell of Cornerstone Environmental Group, LLC on behalf of Kingsley Landfill.
6. Material that does not meet the material acceptance criteria for the Kingsley Landfill may be placed at the Waste Management facility in Fairless Hills, PA, provided that a letter of acceptance is provided to this office and written approval for said placement is received.
7. The identified processing facility for the non-HARS suitable material shall comply with all conditions imposed in the WFD/AUD and any subsequent modifications or renewals thereto for the dredged material processing facility.
8. All trucks used to transport processed dredged material to the above referenced placement sites shall be tarped pursuant to the applicable State DOT requirements or applicable regulatory agency requirements.
9. If the designated contractor elects to place the dredged material from this project at an alternate location, written authorization must be obtained from the Office of Dredging and Sediment Technology prior to the transport of any dredged material to said alternate use location. Any alternate placement site must obtain all required state, local and federal permits before the Office would grant a modification of this permit to transport dredged material to the alternate location.

If you have any questions regarding this letter, please feel free to contact me at [Gary.Nickerson@dep.nj.gov](mailto:Gary.Nickerson@dep.nj.gov).

Sincerely Digitally signed  
by Gary Nickerson  
Date: 2024.05.10

Gary Nickerson 16:41:57 -04'00'

Office of Dredging and Sediment Technology  
Land Resource Protection



# DONJON MARINE CO., INC.

100 Central Avenue  
Hillside, New Jersey 07205-2033 USA

## 4.9 2023 NJ RENEWAL CERTIFICATE OPERATE CONTROL APPARATUS

PERMIT/CERTIFICATE

### State of New Jersey

#### Department of Environmental Protection

Environmental Regulation  
Division of Air Quality  
Air Quality Permitting Element  
Mail Code 401-02  
P.O. Box 420  
Trenton, NJ 08625-0420

## Certificate to Operate Control Apparatus and/or Equipment

**Facility ID:** 08045  
**Facility Name:** DONJON MARINE CO INC

**Mailing Address:**  
100 CENTRAL AVE  
Hillside , NJ 07205

**Plant Location:**  
STARBOARD ST  
BERTH 36  
Port Newark , NJ 07114

**County:**  
Essex

**Location Description:**

**Permit ID:** PCP 090002  
**Permit Type:** Modification

**Status:** Renewed  
**Status Date:** 06/11/2023

**Effective:** 06/02/2009  
**Expiration:** 06/16/2028

**Designation of Equipment:** Cement Trans

**Equipment Description:** Pneumatic  
Conveying System

**Designation of Equipment:** Screw Conv.

**Equipment Description:** Screw Conveyor

**Designation of Equipment:** Mixer

**Equipment Description:** Mixer

### Certificate to Operate Control Apparatus and/or Equipment

This five year certificate is being issued under the authority of Chapter 106, P.L. 1967 N.J.S.A.26:2C-9.2. The possession of this document does not relieve you from the obligation of complying with all provisions of the New Jersey Administrative Code, Title 7, Chapter 27.

In addition to the facility specific requirements listed in this permit, the facility must comply with all applicable rules and requirements as well as the information contained in the approved permit. The facility must also comply with any applicable requirements of the N.J.A.C. 7:27-8.1 et. Seq. and other state rules summarized in the General Provisions for Preconstruction Permits, [www.state.nj.us/dep/agpp/applying.html](http://www.state.nj.us/dep/agpp/applying.html)

Pursuant to N.J.A.C. 7:27-8.13(b), the department may modify the conditions of approval of this certificate at the time of renewal or at any time when the certificate is in force, if deemed necessary to protect human health, welfare or the environment.



# DONJON MARINE CO., INC.

100 Central Avenue  
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You may also be subject to fees for services that are performed by the Department in accordance with the conditions of approval of this permit and 7:27-8.13(e). If you fail to pay a fee, the Department may assess civil administrative penalties and/or revoke this certificate.

In accordance with N.J.S.A. 54:4-3.56 to 3.58, you may be entitled to an exemption from municipal property taxation if your control device is taxed and is considered to be an air pollution control device. A tax exemption application may be obtained at [www.state.nj.us/dep/agpp/downloads/forms/TaxExemptionForm2.pdf](http://www.state.nj.us/dep/agpp/downloads/forms/TaxExemptionForm2.pdf).

In accordance with N.J.A.C. 7:27-8.3(d), you shall make this certificate readily available for inspection on the operating premises.

**APPENDIX A2:**  
**Mixed Material Sediment Analysis**  
**May 28, 2024**

**Note: The report does not include General Chemistry and Shipping and  
Receiving Documents**



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kerri Mullins  
DonJon Marine  
100 Central Avenue  
Hillside NJ 07205

Generated 5/28/2024 8:14 AM

## JOB DESCRIPTION

Baltimore Key Bridge

## JOB NUMBER

460-303538-2

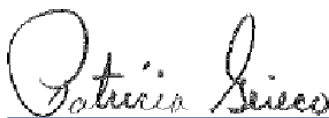
# Eurofins Edison

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

## Authorization



Generated  
5/28/2024 8:14 AM

Authorized for release by  
Patricia Grieco, Senior Project Manager  
[Patricia.Grieco@et.eurofinsus.com](mailto:Patricia.Grieco@et.eurofinsus.com)  
732 593-2507

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**Job Narrative**  
**460-303538-2**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 5/9/2024 10:53 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

**Receipt Exceptions**

The following sample(s) were activated by the client on 5/16/2024:

We've reviewed the 4 laboratory packages. The following items are needed.

TCLP Test for Total Chromium (results greater than 100 mg/kg):

460-30344 – Sample A-9

406-303620 – Sample C-12

406-303620 – Sample C-11

Soils Test for Hexavalent Chromium (results greater than 20 mg/kg):

460-303360 – All Samples

460-303444 – All Samples excluding A-6 and A-1

460-303538 – All Samples

460-303620 – All Samples

**General Chemistry**

Method 7196A: the absorbance for the MSS exceeded the absorbance for the highest calibration standard for 7196.

(460-303860-A-1-G MSS)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Sample Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-303538-1	B-10	Solid	05/08/24 13:30	05/09/24 10:53
460-303538-2	B-12	Solid	05/08/24 13:12	05/09/24 10:53
460-303538-3	B-11	Solid	05/08/24 12:48	05/09/24 10:53
460-303538-4	B-9	Solid	05/08/24 12:46	05/09/24 10:53
460-303538-5	B-8	Solid	05/08/24 10:29	05/09/24 10:53
460-303538-6	B-7	Solid	05/08/24 10:12	05/09/24 10:53
460-303538-7	B-6	Solid	05/08/24 09:40	05/09/24 10:53
460-303538-8	B-5	Solid	05/08/24 09:28	05/09/24 10:53
460-303538-9	B-4	Solid	05/08/24 09:02	05/09/24 10:53
460-303538-10	B-3	Solid	05/08/24 08:43	05/09/24 10:53
460-303538-11	B-2	Solid	05/08/24 08:21	05/09/24 10:53
460-303538-12	B-1	Solid	05/08/24 07:52	05/09/24 10:53

## Detection Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

**Client Sample ID: B-10**

**Lab Sample ID: 460-303538-1**

☐ No Detections.

**Client Sample ID: B-12**

**Lab Sample ID: 460-303538-2**

☐ No Detections.

**Client Sample ID: B-11**

**Lab Sample ID: 460-303538-3**

☐ No Detections.

**Client Sample ID: B-9**

**Lab Sample ID: 460-303538-4**

☐ No Detections.

**Client Sample ID: B-8**

**Lab Sample ID: 460-303538-5**

☐ No Detections.

**Client Sample ID: B-7**

**Lab Sample ID: 460-303538-6**

☐ No Detections.

**Client Sample ID: B-6**

**Lab Sample ID: 460-303538-7**

☐ No Detections.

**Client Sample ID: B-5**

**Lab Sample ID: 460-303538-8**

☐ No Detections.

**Client Sample ID: B-4**

**Lab Sample ID: 460-303538-9**

☐ No Detections.

**Client Sample ID: B-3**

**Lab Sample ID: 460-303538-10**

☐ No Detections.

**Client Sample ID: B-2**

**Lab Sample ID: 460-303538-11**

☐ No Detections.

**Client Sample ID: B-1**

**Lab Sample ID: 460-303538-12**

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

# Method Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	EET EDI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET EDI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

# Client Sample Results

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

**Client Sample ID: B-10**

**Date Collected: 05/08/24 13:30**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-1**

**Matrix: Solid**

**Percent Solids: 83.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.0	U	2.4	1.0	mg/Kg	☼	05/21/24 14:15	05/22/24 11:40	1

**Client Sample ID: B-12**

**Date Collected: 05/08/24 13:12**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-2**

**Matrix: Solid**

**Percent Solids: 81.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.0	U	2.4	1.0	mg/Kg	☼	05/21/24 14:15	05/22/24 11:40	1

**Client Sample ID: B-11**

**Date Collected: 05/08/24 12:48**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-3**

**Matrix: Solid**

**Percent Solids: 81.5**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.0	U	2.4	1.0	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

**Client Sample ID: B-9**

**Date Collected: 05/08/24 12:46**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-4**

**Matrix: Solid**

**Percent Solids: 79.3**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.1	U	2.5	1.1	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

**Client Sample ID: B-8**

**Date Collected: 05/08/24 10:29**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-5**

**Matrix: Solid**

**Percent Solids: 91.1**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.92	U	2.2	0.92	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

**Client Sample ID: B-7**

**Date Collected: 05/08/24 10:12**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-6**

**Matrix: Solid**

**Percent Solids: 83.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.99	U	2.3	0.99	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

# Client Sample Results

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## Client Sample ID: B-6

Date Collected: 05/08/24 09:40

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-7

Matrix: Solid

Percent Solids: 64.2

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.3	U	3.0	1.3	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

## Client Sample ID: B-5

Date Collected: 05/08/24 09:28

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-8

Matrix: Solid

Percent Solids: 95.5

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.87	U	2.1	0.87	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

## Client Sample ID: B-4

Date Collected: 05/08/24 09:02

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-9

Matrix: Solid

Percent Solids: 92.5

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.90	U	2.1	0.90	mg/Kg	☼	05/21/24 14:15	05/22/24 13:40	1

## Client Sample ID: B-3

Date Collected: 05/08/24 08:43

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-10

Matrix: Solid

Percent Solids: 64.2

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	1.3	U	3.0	1.3	mg/Kg	☼	05/23/24 14:30	05/24/24 13:00	1

## Client Sample ID: B-2

Date Collected: 05/08/24 08:21

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-11

Matrix: Solid

Percent Solids: 92.6

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.89	U	2.1	0.89	mg/Kg	☼	05/23/24 14:30	05/24/24 13:00	1

## Client Sample ID: B-1

Date Collected: 05/08/24 07:52

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-12

Matrix: Solid

Percent Solids: 96.1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.88	U	2.1	0.88	mg/Kg	☼	05/23/24 14:30	05/24/24 13:00	1

# QC Sample Results

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-976043/1-A  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	0.85	U	2.0	0.85	mg/Kg		05/21/24 14:15	05/22/24 10:45	1

Lab Sample ID: LCSi 460-976043/3-A  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	Spike Added	LCSi Result	LCSi Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	708	697.4		mg/Kg		99	80 - 120

Lab Sample ID: LCSSRM 460-976043/2-A  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	15.5	15.61		mg/Kg		100.6	84.1 - 114.4

Lab Sample ID: 460-303538-1 MSI  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: B-10  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	1.0	U	844	828.1		mg/Kg	☼	98	75 - 125

Lab Sample ID: 460-303538-1 MSS  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: B-10  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	1.0	U	47.7	45.76		mg/Kg	☼	96	75 - 125

Lab Sample ID: 460-303538-1 DU  
Matrix: Solid  
Analysis Batch: 976224

Client Sample ID: B-10  
Prep Type: Total/NA  
Prep Batch: 976043

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium (hexavalent)	1.0	U	1.0	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-976484/1-A  
Matrix: Solid  
Analysis Batch: 976684

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 976484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	0.85	U	2.0	0.85	mg/Kg		05/23/24 14:30	05/24/24 11:00	1

# QC Sample Results

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS1 460-976484/3-A

Matrix: Solid

Analysis Batch: 976684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 976484

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	708	690.9		mg/Kg		98	80 - 120

Lab Sample ID: LCSSRM 460-976484/2-A

Matrix: Solid

Analysis Batch: 976684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 976484

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	15.5	13.63		mg/Kg		87.8	84.1 - 114.4

Lab Sample ID: 460-303860-A-1-G MSS

Matrix: Solid

Analysis Batch: 976684

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 976484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSS Result	MSS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	47.5		40.0	93.33		mg/Kg		115	75 - 125

Lab Sample ID: 460-303860-A-1-H MSI

Matrix: Solid

Analysis Batch: 976684

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 976484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Chromium (hexavalent)	47.5		708	679.1		mg/Kg		89	75 - 125

Lab Sample ID: 460-303860-A-1-I DU

Matrix: Solid

Analysis Batch: 976684

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 976484

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium (hexavalent)	47.5		20.08	F3	mg/Kg		81	20

# Definitions/Glossary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# QC Association Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## General Chemistry

### Prep Batch: 976043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303538-1	B-10	Total/NA	Solid	3060A	
460-303538-2	B-12	Total/NA	Solid	3060A	
460-303538-3	B-11	Total/NA	Solid	3060A	
460-303538-4	B-9	Total/NA	Solid	3060A	
460-303538-5	B-8	Total/NA	Solid	3060A	
460-303538-6	B-7	Total/NA	Solid	3060A	
460-303538-7	B-6	Total/NA	Solid	3060A	
460-303538-8	B-5	Total/NA	Solid	3060A	
460-303538-9	B-4	Total/NA	Solid	3060A	
MB 460-976043/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-976043/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-976043/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-303538-1 MSI	B-10	Total/NA	Solid	3060A	
460-303538-1 MSS	B-10	Total/NA	Solid	3060A	
460-303538-1 DU	B-10	Total/NA	Solid	3060A	

### Analysis Batch: 976224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303538-1	B-10	Total/NA	Solid	7196A	976043
460-303538-2	B-12	Total/NA	Solid	7196A	976043
460-303538-3	B-11	Total/NA	Solid	7196A	976043
460-303538-4	B-9	Total/NA	Solid	7196A	976043
460-303538-5	B-8	Total/NA	Solid	7196A	976043
460-303538-6	B-7	Total/NA	Solid	7196A	976043
460-303538-7	B-6	Total/NA	Solid	7196A	976043
460-303538-8	B-5	Total/NA	Solid	7196A	976043
460-303538-9	B-4	Total/NA	Solid	7196A	976043
MB 460-976043/1-A	Method Blank	Total/NA	Solid	7196A	976043
LCSI 460-976043/3-A	Lab Control Sample	Total/NA	Solid	7196A	976043
LCSSRM 460-976043/2-A	Lab Control Sample	Total/NA	Solid	7196A	976043
460-303538-1 MSI	B-10	Total/NA	Solid	7196A	976043
460-303538-1 MSS	B-10	Total/NA	Solid	7196A	976043
460-303538-1 DU	B-10	Total/NA	Solid	7196A	976043

### Prep Batch: 976484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303538-10	B-3	Total/NA	Solid	3060A	
460-303538-11	B-2	Total/NA	Solid	3060A	
460-303538-12	B-1	Total/NA	Solid	3060A	
MB 460-976484/1-A	Method Blank	Total/NA	Solid	3060A	
LCSI 460-976484/3-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSSRM 460-976484/2-A	Lab Control Sample	Total/NA	Solid	3060A	
460-303860-A-1-G MSS	Matrix Spike	Total/NA	Solid	3060A	
460-303860-A-1-H MSI	Matrix Spike	Total/NA	Solid	3060A	
460-303860-A-1-I DU	Duplicate	Total/NA	Solid	3060A	

### Analysis Batch: 976684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-303538-10	B-3	Total/NA	Solid	7196A	976484
460-303538-11	B-2	Total/NA	Solid	7196A	976484
460-303538-12	B-1	Total/NA	Solid	7196A	976484

Eurofins Edison

# QC Association Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## General Chemistry (Continued)

### Analysis Batch: 976684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-976484/1-A	Method Blank	Total/NA	Solid	7196A	976484
LCSI 460-976484/3-A	Lab Control Sample	Total/NA	Solid	7196A	976484
LCSSRM 460-976484/2-A	Lab Control Sample	Total/NA	Solid	7196A	976484
460-303860-A-1-G MSS	Matrix Spike	Total/NA	Solid	7196A	976484
460-303860-A-1-H MSI	Matrix Spike	Total/NA	Solid	7196A	976484
460-303860-A-1-I DU	Duplicate	Total/NA	Solid	7196A	976484

# Lab Chronicle

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

**Client Sample ID: B-10**

**Date Collected: 05/08/24 13:30**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-1**

**Matrix: Solid**

**Percent Solids: 83.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 11:40

**Client Sample ID: B-12**

**Date Collected: 05/08/24 13:12**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-2**

**Matrix: Solid**

**Percent Solids: 81.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 11:40

**Client Sample ID: B-11**

**Date Collected: 05/08/24 12:48**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-3**

**Matrix: Solid**

**Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

**Client Sample ID: B-9**

**Date Collected: 05/08/24 12:46**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-4**

**Matrix: Solid**

**Percent Solids: 79.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

**Client Sample ID: B-8**

**Date Collected: 05/08/24 10:29**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-5**

**Matrix: Solid**

**Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

**Client Sample ID: B-7**

**Date Collected: 05/08/24 10:12**

**Date Received: 05/09/24 10:53**

**Lab Sample ID: 460-303538-6**

**Matrix: Solid**

**Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

# Lab Chronicle

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

## Client Sample ID: B-6

Date Collected: 05/08/24 09:40

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-7

Matrix: Solid

Percent Solids: 64.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

## Client Sample ID: B-5

Date Collected: 05/08/24 09:28

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-8

Matrix: Solid

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

## Client Sample ID: B-4

Date Collected: 05/08/24 09:02

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-9

Matrix: Solid

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976043	MNP	EET EDI	05/21/24 14:15 - 05/21/24 15:15 <sup>1</sup>
Total/NA	Analysis	7196A		1	976224	MNP	EET EDI	05/22/24 13:40

## Client Sample ID: B-3

Date Collected: 05/08/24 08:43

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-10

Matrix: Solid

Percent Solids: 64.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976484	MNP	EET EDI	05/23/24 14:30 - 05/23/24 15:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	976684	MNP	EET EDI	05/24/24 13:00

## Client Sample ID: B-2

Date Collected: 05/08/24 08:21

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-11

Matrix: Solid

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976484	MNP	EET EDI	05/23/24 14:30 - 05/23/24 15:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	976684	MNP	EET EDI	05/24/24 13:00

## Client Sample ID: B-1

Date Collected: 05/08/24 07:52

Date Received: 05/09/24 10:53

## Lab Sample ID: 460-303538-12

Matrix: Solid

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			976484	MNP	EET EDI	05/23/24 14:30 - 05/23/24 15:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	976684	MNP	EET EDI	05/24/24 13:00

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins Edison

Accreditation/Certification Summary

Client: DonJon Marine  
Project/Site: Baltimore Key Bridge

Job ID: 460-303538-2

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	12028	06-30-24

June 5, 2024

Mr. Gary DeFranco  
Kinsley's Landfill, Inc.  
2025 Delsea Drive  
Sewell, NJ 08080

Re: Candidate Regrade Material  
Rebco Contracting Corp./Donjon Marine Co., Inc. – Baltimore Bridge Collapse Dredge, Baltimore, MD

Dear Gary:

Cornerstone Environmental Group, LLC (Cornerstone) – A Tetra Tech Company has reviewed the analytical data prepared by Eurofins Test America (Eurofins) which summarizes the analytical results for the analyses performed on forty-two (42) samples of candidate soil material provided by Rebco Contracting Corp./Donjon Marine Co., Inc. for the Baltimore Key Bridge Collapse Dredge, Baltimore Harbor, MD project. The samples were collected on May 6, 2024, May 7, 2024, May 8, 2024, and May 9, 2024, and the Eurofins project numbers for these analyses are 460-303360-1, 460-303444-1, 460-303538-1, and 460303620-1, respectively.

Cornerstone has reviewed the analytical report in order to compare the concentration of the analyzed constituent parameters with approved parameters as defined by the New Jersey Soil Remediation Standards, NJAC 7:26D for Residential Direct Contact Soil Remediation Standard (RDCSRS) and Non-Residential Direct Contact Soil Remediation Standard (NRDCSRS).

As a result of our review, we have determined that most of the compounds listed under NJAC 7:26D were found to be below the RDCSRS, with the exception of manganese and arsenic. Manganese levels in one (1) sample were reported at concentrations meeting NRDCSRS, and arsenic exceeded NRDCSRS in 3 samples, at reported concentrations of 46.5 mg/kg, 36 mg/kg and 20.9 mg/kg. Cornerstone petitioned the NJDEP on May 28, 2024, requesting approval to accept the dredge material. NJDEP approved the acceptance of this material through a letter from Anthony Fontana, dated May 31, 2024 (attached). Don Jon also petitioned NJDEP and received a conditional Out-of-State Acceptable Use Determination (AUD) approval, dated June 4, 2024 (attached). In accordance with the NJDEP – approved Material Acceptance Protocol prepared for Kinsley's Landfill, Inc., the sample meets Non-Residential standards. 70,000 cubic yards or 122,500 tons, is considered acceptable and may be placed at Kinsley's Landfill as Non-Residential material.

As a condition of this acceptance the material must arrive to Kinsley's Landfill in a compactable state.

Sincerely,

**CORNERSTONE ENVIRONMENTAL GROUP, LLC – A TETRA TECH COMPANY**



Daryl R. O'Dell, P.E.  
Client Manager

Mr. Gary DeFranco  
June 5, 2024

Enclosure:     MAF  
                  NJDEP Approval Letter  
                  ODST AUD  
                  Site Inspection Report

## MATERIAL ACCEPTANCE FORM

### PART I - SITE INFORMATION

1. Name of Site: Kinsley's Landfill
2. Address: 2025 Delsea Drive, Sewell, NJ 08080
3. Site Owner: Kinsley's Landfill, Inc.
4. Type of Site: Closed Landfill
5. Site Future Use: N/A

### PART II - SOURCE INFORMATION

1. Name of Source Owner Danjon Marine Co., Inc.
2. Previous Land Use at Source of Materials Baltimore Harbor main channel
3. Location of Source of Materials Baltimore Harbor Key Bridge  
Street Address N/A  
City Baltimore State Maryland
4. Registration No. (if an approved materials recovery/recycling facility) N/A
5. Description of Material (complete and accurate description required) N/A

#### 6. Material Classification

Certified Clean	<input type="checkbox"/>	Products of Recycling	<input type="checkbox"/>
Clean, meeting RDCSRS	<input type="checkbox"/>	Categorical BUD	<input type="checkbox"/>
Uncharacterized Impacted, meeting NRDCSRS	<input type="checkbox"/>	Site Specific BUD	<input type="checkbox"/>

7. Quantity of material covered in this request 50 to 70,000 c.yds
8. Analytic Results submitted (Attach Laboratory Report to Conform with Relevant State Requirements)

Parameters	Tested Date	No. of Analysis	No. of samples, if Compositied
<u>See reports</u>			

9. Were field or trip blanks used? YES ☐ NO ☒

If yes, for which sample \_\_\_\_\_

10. Has an Electronic Data Deliverable (EDD) File been provided? YES ☒ NO ☐

11. Name and Address of Laboratory:

Eurofins Test America Edison, NJ

12. A. Name and address of Independent Sampler (if applicable):

Mike Doren, Aqua Surveys Inc., 469 Barbertown Pt. Breeze Rd.,

B. Credentials held by Independent Sampler (if applicable): Flemington, NJ

13. Certification of Sampler (if applicable):

As an independent professional I certify that the samples obtained as described in 1-12 herein were obtained in accordance with relevant State sampling requirements (provide appropriate citation) and that sample collection has been performed with relevant State sampling guidelines (provide citation).

Mike Doren by KRM  
Signature of Sampler

Michael Doren  
Print

5/9/24  
Date

14. Certification of Source Owner:

As owner of the above described recyclable material, I warrant that to the best of my knowledge the material is recyclable and consists only those items described in item 5 above and has been sampled and analyzed in accordance to relevant State sampling guidelines and procedures.

Kerri K. Mullins  
Signature of Sampler Owner

Kerri K. Mullins  
Print

5/9/24  
Date

# PART III - REVIEW ENGINEER FINDING AND CERTIFICATION

1. Type of material (check one): Natural Soil ☐ Soil from remedial site ☐ Treated soil ☐ Other ☐ \_\_\_\_\_
2. Quantity of Material Intended for Delivery to Site \_\_\_\_\_
3. Proposed Site Use (describe use below):  
 Fill Materials \_\_\_\_\_  
 Capping Materials \_\_\_\_\_
4. Quality Criteria Applicable to Material (check one and provide citation from state regulations as appropriate):  
 Residential Direct Contact (RDCSCC) \_\_\_\_\_  
 Non Residential Direct Contact (NRDCSCC) \_\_\_\_\_  
 Alternate Acceptance Criteria \_\_\_\_\_

List parameters exceeding Residential Direct Contact (if applicable):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Characterization Required:  
 Type of Analyses \_\_\_\_\_  
 No. Analyses \_\_\_\_\_  
 No. Composites \_\_\_\_\_

6. Has material been properly characterized? YES ☐ NO ☐
6. Does material meet applicable Quality Criteria? YES ☐ NO ☐
7. Does material meet other test criteria that Site Owner may require?  
 YES ☐ NO ☐ NA ☐

Describe other tests required if applicable:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

8. Does the material meet Performance Criteria of Procedures for Review and Certification of Recyclable materials for use at Kinsley's Landfill? YES (approved) ☐ NO (Not approved) ☒

Describe Basis for Determination:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

9. Previous Quantities Approved \_\_\_\_\_ cubic yards/tons  
 Quantity this Approval: \_\_\_\_\_ cubic yards/tons
10. Certification No. \_\_\_\_\_

Based upon the information contained in Part I and II of this application, I hereby certify that to the best of my knowledge the material described herein is acceptable for soil acceptance at the site in accordance with applicable permits and approvals and has been found acceptable according to the Procedures for Review and Certification of Recyclable Materials for use at Kinsley's Landfill.

Signature \_\_\_\_\_ Print \_\_\_\_\_ Date \_\_\_\_\_

**APPENDIX A3:**  
**New Jersey Department of Environmental Protection Approvals**



# State of New Jersey

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

### DIVISION OF SUSTAINABLE WASTE MANAGEMENT

#### BUREAU OF SOLID WASTE PERMITTING

401 East State Street

P.O. Box 420, Mail Code 401-02C

Trenton, New Jersey 08625-0420

Tel. (609) 292-9880 • Fax (609) 777-1951/984-0565

[www.nj.gov/dep/dswm/swp/index.html](http://www.nj.gov/dep/dswm/swp/index.html)

**PHILIP D. MURPHY**

*Governor*

**TAHESHA L. WAY**

*Lt. Governor*

**SHAWN M. LATOURETTE**

*Commissioner*

Daniel J. Edwards, President  
Kinsley's Landfill, Inc.  
2025 Delsea Drive  
Sewell, NJ 08080

May 31, 2024

Re: Baltimore Bridge Project Dredge  
Kinsley's Landfill  
Deptford Township, Gloucester County  
P. I. No.: 133551

Dear Mr. Edwards:

This letter is in response to a letter, dated May 28, 2024, from Daryl O'Dell, P.E., of Cornerstone Environmental Group (Cornerstone), to the Bureau of Solid Waste Permitting (Bureau) submitted via electronic mail from Kirstie Shurie of Cornerstone. The letter requests approval to accept approximately 70,000 cubic yards of dredge material at Kinsley's Landfill as part of the previously approved regrading project. The Bureau is also in receipt of an electronic mail dated May 30, 2024, from Dary O'Dell submitting the analytical results of the dredge material. The proposed dredge material will be generated from the Baltimore Bridge Collapse Dredge Project.

The Bureau completed review of your submittal and analytical results. The analytical reports include the results for 42 samples collected and tested to characterize the dredge. The sample size meets the sampling frequency requirements of the most recently approved October 24, 2019, Material Acceptance Protocol (MAP) for Kinsley's Landfill. Additionally, each sample was tested for VOC's, SVOC's pesticides, PCB's, metals, and cyanide in general conformance with the approved MAP. Analytical results were reviewed by Cornerstone for compliance with the MAP. As acknowledged in your letter the dredge contains elevated levels of arsenic. Of the 42 samples collected, the arsenic level ranges between 2.8 mg/kg and 14.3 mg/kg with exception of three (3) samples that exhibited an arsenic level exceeding the Non-Residential Soil Remediation Standards of 19 mg/kg, including sample A-9 (46.5 mg/kg), sample C-11 (36 mg/kg), and sample C-12 (20.9 mg/kg). The 42 samples exhibited a mean and median arsenic concentration of 8.75 mg/kg and 6.7 mg/kg respectively.

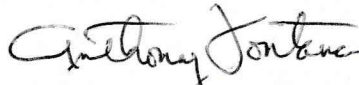
After review of the above, the Bureau has no objection to this dredge material being utilized at Kinsley's Landfill in the regrading project. This approval is subject to the following specific conditions:

1. This Approval is limited to the 70,000 cubic yards of dredge material generated during site work at the Baltimore Bridge Collapse dredge project. All other materials accepted for potential use in the regrading project shall be evaluated separately in accordance with the approved MAP.
2. Acceptance and placement of the dredge shall be consistent with the acceptance and placement procedures for uncharacterized impacted materials meeting Non-Residential Direct Contact Soil Remediation Standards (NRDCSRS) set forth in the approved MAP as well as closure plan approval.
3. The Department reserves the right to modify or revoke this approval at any time at the Department's discretion or for any violation of prior approvals and this approval.

This approval does not exempt Kinsley's Landfill, Inc. from the need to obtain any other approvals required by the Department including an Alternate Use Determination (AUD) from the Bureau of Coastal Permitting. Please ensure that all relevant approvals are acquired prior to acceptance of the dredge material from the Baltimore Bridge Collapse dredge project.

If you should have any comments or questions about this letter, please contact Patrick Schornstaedt of my staff at (609) 940-5864 or via e-mail at [Patrick.Schornstaedt@dep.nj.gov](mailto:Patrick.Schornstaedt@dep.nj.gov).

Sincerely,



Anthony Fontana, Chief  
Bureau of Solid Waste Permitting

c: Thomas Farrell, BSWCE  
John Stavash, BSWCE  
Daryl O'Dell, Cornerstone Eng.  
Wendy Carey, Gloucester Co. Dept. of Health and Human Services  
Tom Sullivan, Gloucester Co.

Doc: Baltimore Bridge Dredge





## State of New Jersey

PHILIP D. MURPHY  
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Watershed & Land Management Program  
Mail Code 501-02A  
P.O. Box 420  
Trenton, New Jersey 08625-0420  
[www.nj.gov/dep/landuse](http://www.nj.gov/dep/landuse)

SHAWN M. LATOURETTE  
Commissioner

TAHESHA L. WAY  
Lt. Governor

June 4, 2024

Kerri K. Mullins  
Donjon Marine Co., Inc.  
100 Central Avenue  
Hillside, New Jersey 07205

RE: Out-of-State Acceptable Use Determination  
File and Activity No.: 9999-18-0002.1 DRG240001  
Applicant: Donjon Marine Co Inc.  
Project: Baltimore Key Bridge Response Sediment Management

Dear Ms. Mullins:

The Office of Dredging & Sediment Technology (ODST) issued a conditional Out-of-State Acceptable Use Determination (AUD) for material from the above referenced project on May 10, 2024. This AUD authorized up to 70,000 cubic yards of sediment from the Baltimore Key Bridge Response project to be processed at the Donjon Marine Co., Inc Facility in Newark, with offloading and staging at the Donjon facility and/or the Bayshore Recycling Corp facility in Keasbey, NJ. Placement of said material was conditionally authorized for placement at the Kinsley's Landfill, Inc. site. This AUD was based on representative sediment sample results, as well as preliminary sediment data from material in barges.

Since the issuance of the 5/10/2024 AUD, additional sediment samples have been collected in the project area to satisfy the sampling requirements of Kinsley's Landfill. Due to elevated levels of arsenic in 3 of the 42 sediment samples collected, additional approval from the Bureau of Solid Waste Permitting was required for placement at Kinsley's Landfill. Said approval was granted on May 31, 2024, to accept up to 70,000 cubic yards of material from the project.

In light of these developments, the conditions imposed in the 5/10/2024 AUD are hereby superseded with the following:

### **Acceptable Use Determination**

1. Up to 70,000 cubic yards of material from the Baltimore Key Bridge Response shall be processed using a minimum of 8% Portland Cement at the Donjon Marine Co., Inc Facility in Newark consistent with the testing of the material as required by the upland placement site. Said material may be staged at the Donjon facility and/or the Bayshore Recycling Corp facility in Keasbey.
2. The identified processing facility for material shall comply with all conditions imposed in the WFD/AUD and any subsequent modifications or renewals thereto for the dredged material processing facility.

3. This AUD conditionally authorizes the placement of approximately 70,000 cubic yards of material from this project at the following upland placement site:

**Kingsley Landfill**

The designated contractor shall comply with all conditions specified in the July 2015 Material Acceptance Plan, and the July 1, 2014, Sanitary Landfill Major Disruption Approval (Facility PI#133551), the May 31, 2024, Baltimore Bridge Project approval letter, and any amendments thereto.

The permittee, or the designated contractor, is responsible for any additional sampling/analyses of the dredged material as required by the landfill approvals and authorizations.

4. The designated contractor shall comply with all conditions imposed in the May 6, 2024, letter of acceptance from Daryl R. O'Dell of Cornerstone Environmental Group, LLC on behalf of Kingsley Landfill.
5. The identified processing facility for the non-HARS suitable material shall comply with all conditions imposed in the WFD/AUD and any subsequent modifications or renewals thereto for the dredged material processing facility.
6. All trucks used to transport processed dredged material to the above referenced placement sites shall be tarped pursuant to the applicable State DOT requirements or applicable regulatory agency requirements.
7. If the designated contractor elects to place the dredged material from this project at an alternate location, written authorization must be obtained from the Office of Dredging and Sediment Technology prior to the transport of any dredged material to said alternate use location. Any alternate placement site must obtain all required state, local and federal permits before the Office would grant a modification of this permit to transport dredged material to the alternate location.

If you have any questions regarding this letter, please feel free to contact me at [Gary.Nickerson@dep.nj.gov](mailto:Gary.Nickerson@dep.nj.gov).

Sincerely,



Gary Nickerson

Office of Dredging and Sediment Technology  
Land Resource Protection

Digitally signed by

Gary Nickerson

Date: 2024.06.04

12:56:20 -04'00'



**TETRA TECH**

**Location-Project Name:** Key bridge material, Newark, NJ

**Date:** 6/5/2024

**Job Number-Task Code:** 209-4233313-002

**Cornerstone Personnel- Jiss Philip**

**Area of work:**

Site: Key bridge material, Newark, NJ

Site Contact: Augie Pinto

Contact Phone: 908-413-7881

**Weather: Sunny 81 F**

**Photos Attached**

**DESCRIBE WORK  
PERFORMED**

A Representative from Cornerstone Environmental Group, LLC was present at the Newark, NJ Project site on June 4, 2024 to perform a candidate regrade material visual soil inspection. Upon arrival the Cornerstone Representative spoke with the Site Contact, Augie Pinto. The candidate soils were dredged and stockpiled onsite.

The candidate material is stockpiled on site. The material was dredged from the Key Bridge. The materials is being barged to Newark, NJ and then Donjon is mixing the material with 12% Portland cement to stabilize the product. After mixing with Portland cement the dredge material will be stockpiled for several days to dry before being trucked out. The current stockpile was estimated to be roughly 20,000 cubic yards. The material is mostly comprised of silt and sand, and little clay, the material also looked moist when initially stockpiles but two day old stockpile looked drier. The pile was clean soil, free of debris and large rocks.

The candidate regrade material was free of odor and sheen.

Visible Inspection June 4, 2024



Visible Inspection June 4, 2024



Visible Inspection June 4, 2024

