**VENICE BEACH NOURISHMENT, SARASOTA COUNTY, GROUP4-10-R-J0nn**

**WQC NO. 021217-005-JC Issued 6/13/2014 and Expires 6/13/2029 Prepared by Paul Karch 08/2014**

**ENVIRONMENTAL MATRIX**

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| **TASK** | **REQUIREMENTS TO BE ACCOMPLISHED** | **TIMEFRAME** | **PERSON/TO TAKE ACTION** | **COMMENTS** |
| WQC |  |  |  |  |
|  |  |  |  |  |
|  | **PRE-CONSTRUCTION** |  |  |  |
|  |  |  |  |  |
| GC10 | Send notice of commencement to DEP | At least 48 hours prior to construction | Corps CD | Send DEP anticipated start date and completion date. |
| SC 3 a. | Public Easement, NTP | At least 30 days prior to construction | Corps PD-EQ | Paul Karch submitted the Public Easement to DEP 8/25/14 |
| SC3 b. | Construction Schedule and type of Dredge | At least 30 days prior to construction | Corps CD | Will be provided at the pre-con. |
| SC 3c. | Final Biological Opinion | At least 30 days prior to construction | Dredging Contractor will submit to Corps CD within 30 days of the pre-construction survey | Final Biological Plan needs to be approved by DEP prior to Construction |
| SC 3d. | Turbidity and Biological Monitoring POC | At least 30 days prior to construction | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC 3f. | SOW Turbidity Monitoring  | At least 30 days prior to construction | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC4 & 13 | Provide DEP, FWC, FWS, & permitted sea turtle surveyor written notification of the pre-construction conference | 21 days prior to the conference | Corps CD |  |

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|  | **PRE-CONSTRUCTION** |  |  |  |
|  |  |  |  |  |
| SC 33 | Pre-Construction Hardbottom Survey (Borrow Site) | 60 days after completion of survey | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC 33 | Final Biological Plan | 60 days after completion of survey | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC 14 | Shorebird Monitoring Qualifications | 20 days after award or 5 days after NTP | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC 34 | Pipeline Corridors Pre-Construction Survey | 60 days after completion of survey | Dredging Contractor will submit to Corps CD and Corps CD will submit to DEP |  |
| SC11 d. | Hopper Dredge Notification | Start-Up and Completion of Construction | Corps CD | Contact Allen.Foley@myfwc.com |
| Submit P&S | Submit P&S |  | PD-EQ  |  |
|  | **DURING CONSTRUCTION** |  |  |  |
|  |  |  |  |  |
| GC 2&3 | Notify DEP of any deviations or noncompliance | If needed | Corps CD/Corps PD-EQ | The field office will notify PD-EQ and PD-EQ will notify DEP |

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|  | **DURING CONSTRUCTION** |  |  |  |
|  |  |  |  |  |
| GC 8 | Contractor to review DEP permit. Copy of permit kept at work site. | Prior to commencement of construction. | Contractor |  |
| GC11 | Report finds of archeological artifacts to DEP and SHPO | If needed | Contractor/Corps CD/ Corps PD-E | Corps PD-E will notify DEP and SHPO |
| SC10 | Manatee, Marine Turtle and Shorebird Protection | During Construction | Contractor |  |
| SC 11 | Hopper Dredging Conditions | During Construction | Contractor |  |
| SC 12 | Beach Maintenance  | During Construction | Contractor |  |
| SC14, 15 &16 | Shorebird Monitoring  | Feb 15 to Sept 1 | Contractor |  |
| SC17  | Marine Turtle Nest Surveys and Relocation | April 15 to October 31 | Contractor |  |
| SC23 | Tilling Requirements | Prior to marine turtle nesting season | Contractor |  |
| SC24 | Escarpment Surveys | Weekly and After Construction | Contractor |  |
| SC29&30 | Submit water quality monitoring reports. | During Construction | Contractor | Submit the reports to Corps CD and PD-EQ and DEP on a weekly basis within seven days of collection. |

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|  | **DURING CONSTRUCTION** |  |  |  |
|  |  |  |  |  |
| SC 33. | Borrow Area Sedimentation Monitoring | During Construction | Contractor |  |
| SC 34 | Pipeline Corridor Monitoring | During Construction | Contractor |  |
|  | **POST CONSTRUCTION** |  |  |  |
| GC12 | Send notice of completion to DEP | Within 60 days after construction is completed | Corps CD |  |
| SC28 | Artificial Light Surveys | Between (May 1 and May 15) and (July 15 and August 1) | City of Venice |  |
| SC 9 | Post-Construction Sediment Testing Results | Within 90 days following beach placement | Corps EN-GG will take the samples, submit to DEP |  |
| SC 23 | Tilling Requirements | Annual for 3 years if failed compact sampling | City of Venice |  |
| SC24 | Escarpment Surveys | Annual for 3 years | City of Venice |  |
| SC35 | Topographic/Bathymetric | Within 60 days completion of project Beach and Borrow Sites | Corps |  |
| SC35 | Topographic/Bathymetric | Annually for 3 years | TBD |  |
| P3BO6/22/13 | Piping Plover Surveys | Within 30 days of completion of construction | Contractor submit to COR, PD-E, USFWS, and FWC |  |

POC

FDEP Bureau of Beaches and Coastal Systems

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Submerged Lands & Environmental Resources

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Southwest Region

Ms. Nancy Douglass

FL Fish and Wildlife Conservation Commission

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CESAJ-PD-EC (Biologist): Aubree Hershorin; 904-232-2136; Aubree.G.Hershorin@usace.army.mil

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