

**Environmental Compliance Matrix
Notification and Submittal Schedule
October 2013**

Permit Holder: U.S. Army Corps of Engineers
Project Name: Miami Harbor Phase III
Permit/Authorization No.: 0305721-001-BI (FDEP)
Issuance Date: 5/15/2012
Expiration Date: 5/15/2017

Pre-Con Date: June 4 and 5, 2013
NTP Date: October 10, 2013
Anticipated Construction Start Date: Dredging mid-November 2013
Anticipated Construction Completion Date: 2015

GREEN TEXT = COMPLETED ITEMS YELLOW TEXT=ITEMS OF SPECIAL ATTENTION RED TEXT=IMPENDING ITEMS

Task Reference	Task Requirement to be Accomplished	Contract Specification Reference	Deadline/ Timeframe	Responsible Entity	Compliance/Violation/Exceedance action protocol	Anticipated Date Required	Date Conducted/ Provided	Additional Comments
Pre-Construction								
DEP Permit								
GC 2 and 3	Notify DEP of any deviation from the authorized project. Seek permit mod where necessary.	NA - Notify DEP as needed	Only if needed, prior to, during, after construction.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹	Contractor and/or CESAJ-CD-W notifies CESAJ-PD-E if deviation from permit.	NA	NA	NA
GC 8	Contractor to review DEP permit. Copy of permit kept at work site.	01 57 20 PARA 1.4	Prior to and during construction	Contractor/ CESAJ-CD-W	Contractor to keep copy of DEP permit on site.	NA	NA	NA
GC 10	Send Notice of Commencement to DEP.	NA - CESAJ-CD-W to submit	At least 48 hours prior to construction	CESAJ-CD-W ²	CESAJ-CD-W notifies CESAJ-PD-E and DEP by letter and/or email of commencement.	15-Nov-13		email message sent to DEP on 11/13/13 with expected start date of 11/2013
SC 5	All submittals required in permit to be directed to both DEP offices in Tallahassee (JCPCompliance@dep.state.fl.us) and Palm Beach (Jason.Andreotta@dep.state.fl.us).	ALL reports with access to site 01 57 20 PARA 3.1.9	Submittals occur prior to, during, and after construction	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (Contractor to ensure all submittals are posted to Contractor's web site). ³	Jason Andreotta is POC with DEP Area Office. Any release of data needs to be cleared through Mark Thomasson at DEP, Tallahassee.	For duration	For duration	refer to during construction section below.
SC 7	Send out invitation to Pre-construction Conference, which is to be w/ Contractor, COE, DEP, FWC, etc. (conference held at least 7 days before commencement). Include: artificialreefdeployments@myfwc.com and a petitioner	NA - CESAJ-CD-W to submit	Notice provided at least 14 days Prior to Pre-Con meeting.	CESAJ-CD-W (notify agencies by letter and email) ²	CESAJ-CD-W sends invite letter to agencies for precon meeting .	NA	June 4 and 5, 2013	Partnering and precon meeting held on June 4 and 5, 2013
SC 8	Finalize Local Sponsor (County)/DEP agreement before commencement	NA - Completed	Prior to Construction	POM (County)	Completed	NA	22-May-12	Completed
SC 12	Various pre-construction submittals to DEP: schedule, staging areas, turbidity monitoring POC, EPP, EPA concurrence.	01 57 20 PARA 1.5 and discuss at Precon Meeting	After award, but 15 days prior to issuance of NTP.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ⁴	Contractor to provide this information in EPP (or sooner) and to CESAJ-CD-W and CESAJ-PD-E.	NA	10-Oct-12	DEP provided NTP on 10/10/13
SC 26 and 27a	Conduct seagrass survey prior to construction at the interior channel to assess impacts from the work.	County (POM) to supply	One year after completion of work within growing season (May to October).	POM (County) ⁵	Completed	NA	Sept 2012	POM conducted pre-construction seagrass survey in summer 2012 and submitted to DEP September 2012 (emails 9/12)
SC 33	Survey of northern artificial reef site to be conducted .	NA- Completed by COE	prior to construction	CESAJ-OD-NH/ CESAJ-PD-E	Completed	NA	2012	Survey was provided in the plans on sheet C-24. Conducted by multibeam - no hardbottom were identified.
SC 34	DGPS coordinates for outfall pipe at the southern artificial reef site. Ensure no work w/in 30 meters of outfall.	Plans, sheet C-25	prior to construction	CESAJ-PD-E	Completed	NA	2012	Location coordinates of pipe is delineated in plans drawings (DGPS).
SC 46	Progress Reports submitted to DEP.	01 57 20 PARA 3.2.8 AND 3.1.9	Beginning 60 days after issuance of Permit	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (posted to contractor's web site) ³	CESAJ-PD-EQ provides reports to DEP until commencement. After commencement, contractor provides progress reports on their web site for project.	NA	NA	Refer to SC 46 below, During Construction
COE Permit (SAJ-2006-06547)/EPA SMMP								
II A and SMMP	Provide notification of commencement to CESAJ-RD and to EPA Region 4.	NA	At least 15 days prior to construction	CESAJ-CD-W ²	CESAJ-CD-W notifies CESAJ-PD-E, EPA and CESAJ-RD by letter and/or email of commencement.	Mid-November, 2013		Email messages sent on 11/5/13 and 11/18/13 to EPA and Regulatory (Audrey Liu).

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I K and SMMP	Conduct bathymetric survey of the Ocean Dredged Material Disposal Site (ODMDS).		Within 3 months prior to disposal into the ODMDS	CESAJ-CD-W/CESAJ-OD-NH/CESAJ-PD-E. ⁶	CESAJ-OD-NH conducts survey and provides results to CESAJ-PD-E for submittal to EPA and CESAJ-RD.	By November 10, 2013		ODMDS survey completed early November 2013. Data processing taking place
Task Reference	Task Requirement to be Accomplished	Contract Specification Reference	Deadline/ Timeframe	Responsible Entity	Compliance/Violation/Exceedance action protocol	Anticipated Date Required	Date Conducted/ Provided	Additional Comments
	During Construction (After Contract Award)							
DEP Permit								
GC 2 and 3	Notify DEP of any deviation from the authorized project. Seek permit mod where necessary.	NA - Notify DEP as needed	If needed, prior to, during, after construction	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (Contractor or CESAJ-CD-W notifies CESAJ-PD-E). ¹	Contractor and/or CESAJ-CD-W notifies CESAJ-PD-E if deviation from permit.	As needed	As needed	
GC 11	Report finds of archeological artifacts to DEP.	01 57 20 PARA 3.1.3	If needed, during work	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (Contractor or CESAJ-CD-W notifies CESAJ-PD-E). ⁷	Contractor notifies CESAJ-CD-W and CESAJ-PD-E of any archeological finds.	As needed	As needed	
SC 5	All submittals required in permit to be provided to the DEP offices in Tallahassee (JCPCCompliance@dep.state.fl.us) and Palm Beach (Jason.Andreotta@dep.state.fl.us)	ALL reports with access to site 01 57 20 PARA 3.1.9	Prior to, during, and after construction	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (Ensure all submittals are posted to Contractor's web site). ³	Contractor maintains web site for this project. This will be handled through web site "4Projects"	NA	For duration	Jason Andreotta of the DEP SE District to be added to 4Project list (refer to email 11/5/13). Other pertinent DEP staff have received invites. Need to verify that DEP can access site
SC 5	Notification to DEP of approximate timeframes (if any) to salvage biological material impacted from project.	01 57 20 PARAS 1.5 and 3.1.11, and to be discussed at Precon Meeting	During work, with coral relocation conducted prior to dredging of flare	Contractor/ CESAJ-CD-W/ CESAJ-PD-E. ⁸	Reef relocation to be discussed at the Precon meeting.	November 18, 2013		Email message sent to DEP on 11/18/13 notifying them were beginning. Additional relocations to occur after completion of Artificial Reef Site, which is ongoing. Notify DEP of actual completion
SC 9	Turbidity Curtains required at Julia Tuttle site. Operations suspended when wind velocities exceed 15 knots.	01 57 20 PARA 1.5q	During work	Contractor/ CESAJ-CD-W/ CESAJ-PD-E. ⁹	Contractor to provide curtain plans as part of EPP and document wind conditions as part of turbidity reports	Deployment december, 2013??		DEP provided NTP on 10/10/13 with turbidity curtain plan included.
SC 10	Staging prohibited in areas w/resources. Avoid/minimize impacts from anchors. If anchors used, locations of anchors to be GPS monitored w/ possible additional mitigation if impacts.	01 57 20 PARA 3.1.6c	During work	Contractor (monitored through tracking). ¹⁰	Contractor to monitor and report impacts to CESAJ-CD-W and CESAJ-PD-E. Remediation/additional mitigation may be necessary if impacts.	NA	NA	
SC 11	Ingress & egress of vessels, pipes, etc. to occur only through approved corridors. Notify DEP if vessel transiting to ODMDS or mitigation sites leaves channel or approved corridors. Potential remediation/mitigation if impacts.	01 57 20 PARA 3.1.5.10, and 35 20 23 PARA 3.4.6	During work	Contractor/ CESAJ-CD-W/ CESAJ-PD-E (Monitored through tracking). ¹⁰	Contractor to notify CESAJ-PD-E and CESAJ-CD-W if outside approved area, and if impacts potential remediation/mitigation including coral re-attachment conducted immediately.	NA	NA	
SC 11a.	Vessel tracking to be conducted. Tracking records to be provided to DEP upon request. No excessive leaking from scows (loss of more than 1 foot within scow)	01 57 20 PARA 3.1.5.10, and 35 20 23 PARA 3.4.6 and PARA 3.4.2 (leakage)	weekly	Contractor (monitored through tracking and DQM). ¹⁰	Contractor reports any loss of more than one foot from scow to CESAJ-CD-W and CESAJ-PD-E w/ explanation. Excessive leaking would entail removal of scow from rotation.	Weekly w/ Loss of draft reported immediately	Weekly w/ Loss of draft reported immediately	

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SC 11b.	Pre and post construction seagrass survey of ingress/egress corridor to seagrass mitigation site. Avoid/minimize impacts to existing seagrass at corridor and near seagrass mitigation site. Surveys provided to DEP.	01 57 20 PARA 3.1.6	prior to placement of fill and after completion of filling seagrass mitigation site. Is NOT required to be submitted to DEP.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹⁰	Contractor conducts surveys and provides results to CESAJ-CD-W and CESAJ-PD-E. Impacts may entail additional mitigation.	Conducted August/September 2013		Survey done on November 18 with report completed on December 6, 2013. There was minimal seagrass coverage. Post assessment to be conducted after SGMA is complete.
SC 13	Notify DEP of utility sewer line relocation completion w/ no work w/in 1,000 feet until decommissioned.	35 20 23 PARA 1.4.1.5	During work or when relocation occurs	County/Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹¹	No dredging/blasting allowed within 1000ft until relocation completed. County to notify CESAJ-PD-E when utility work completed.	TBD	TBD	
SC 16	Seagrass planting at Julia Tuttle to be completed w/in 2 years after work at Fishermans Channel. If impacts to seagrass adjacent to the channel exceed 7.9 acres, additional mitigation will be necessary.	01 57 20 PARA 3.1.6.1.1 and 3.1.6.1.2	During work and w/ post construction monitoring	County/Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹²	County conducts pre-work seagrass survey. Contractor conducts 30 day post-work survey. County conducts 1 yr post-work survey. Excessive impacts may entail additional mitigation.	TBD	TBD	
SC 17	Seagrass Mitigation Site Construction Compliance; percent fines limitations, cap thickness of 2' min, etc.	01 57 20 PARA 3.1.6.1.2 AND 35 20 23 PARA 3.4.3 AND Plans C-21	As part of filling activities	Contractor/CESAJ-CD-W/CESAJ-OD-NH ¹³	Contractor to ensure compliance with design constraints of seagrass mitigation site.	TBD	TBD	
SC 18	Seagrass Mitigation Site Sediment Compliance; sediment sampling at site - five sample stations per acre	35 20 23 PARA 3.4.3	After filling activities	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹⁴	Contractor to sample fill material for seagrass mitigation area and provide results to CESAJ-CD-W and CESAJ-PD-E. Any non-compliant areas will need to be excavated and replaced.	TBD	TBD	
SC 19	Seagrass Mitigation Site Harvesting and Planting Patterns, 7.15 acres planted (10x10m plots) and mapped via DGPS. (May to October). Donor site is adjacent, harvested at 2 to 5 meters apart.	01 57 20 PARA 3.1.6.1.2	During work	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹⁵	Contractor to conduct harvesting in accordance with design.	TBD	TBD	
SC 20	Pre construction survey of Julia Tuttle seagrass mitigation site. Pre is to identify and avoid johnnonii (May to October).	01 57 20 PARA 3.1.6e	prior to placement of fill	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹⁶	Contractor conducts pre and post-work seagrass surveys of seagrass mitigation area and provide results to CESAJ-CD-W and CESAJ-PD-E. Impacts to adjacent seagrass may entail additional mitigation	August/September 2013	10/28/13	GLDD provided pre-construction seagrass survey of JTSMA 10/28/13. No Johnson Seagrass found in the area. Also refer to SC 11b above.
SC 23a, 25a and 25b.	Seagrass Mitigation Site Planting Survival Survey (conducted anytime May through October). Determine if 70% survival at one month after planting with possible re-planting in coordination w/ DEP.	01 57 20 PARA 3.1.6.1.2 a3	30 days after planting completion	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ¹⁷	Contractor to monitor survival after planting and provide results to CESAJ-CD-W and CESAJ-PD-E. Re-planting required if <70% survival.	TBD	TBD	
SC 26, 27a and 28	Seagrass survey conducted within 30 days after completion of work in the interior channels to assess impacts to nearby seagrass and evaluate impacts.	01 57 20 PARA 3.1.6.1.1	within 30 days of completion of work at the interior channels. Reports provided to DEP w/in 90 days.	Contractor/CESAJ-CD-W/CESAJ-OD-NH/CESAJ-PD-E ¹⁸	Contractor conducts post-work seagrass survey and provide results to CESAJ-CD-W and CESAJ-PD-E. May entail additional mitigation if excessive impacts.	TBD	TBD	CESAJ-OD-NH to conduct bathymetric survey of interior channels to show cross sections at 100' intervals w/in 30 days post-work, w/ contractor to conduct 30 day post seagrass survey

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SC 27b	Sedimentation monitoring during any work at interior channels: Establish pre-construction base conditions, then for duration, and 30 days after work - for work occurring within 1500 meters of seagrass.	01 57 20 PARA 3.1.6.1	baseline condition survey, then either every 3 days or 28 days, depending on sed. rates. Report to DEP w/in 60days after completion. Pre and during construction data provided to DEP upon request.	Contractor/CESAJ-CD-W/CESAJ-PD-E /DEP ¹⁹	Contractor to monitor sedimentation. Notify CESAJ-PD-E and CESAJ-CD-W if stress event occurs relative to reference: increased epiphytes, reduced density). Contractor provides information on work adjustments if stress event.	Routinely during dredging	Routinely during dredging	DEP approved reference site submitted by Port
SC 29	Coral relocation requirements (direct impact area)-scleractinian (all greater than 25cm and up to 1300 corals of 10 to 25cm), acropora, etc. Transplant half to artificial reef site and half to natural. Construction of 9.28 acres of artificial reef (includes both high and low relief).	01 57 20 PARA 3.1.11.4	prior to dredging flare	Contractor ²⁰	Contractor to conduct relocations and build artificial reef in accordance with design.	Late November, 2013??		Relocations started in late November 2013. Started with acropora and then non-acropora - anticipate 3 to 6 weeks to complete
SC 30	Monitoring of relocated scleractinian corals after transplant.	01 57 20 PARA 3.1.11.5 report deadline requirement of 60 days after survey??	monitoring at 1 month after transplanting completed. Progress during transplanting done weekly and reports submitted within 60 days of surveys.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ²¹	Contractor to monitor transplanted corals and provide results to CESAJ-CD-W and CESAJ-PD-E.	Late November, 2013??		GLDD will conduct initial monitoring event. POM will conduct subsequent monitoring events
SC 31a	Construction of artificial reef site (approx 60% low relief and 40% high relief). Pre and post surveys to establish relief, rugosity, interstitial space. Video of site required.	35 20 23 PARAS 3.1.5.12, 3.4.5 and Plans C-26.	Prior to and after construction of artificial reef site. Post survey w/in 30 days of completion and results to DEP w/in 30 days after survey.	Contractor/CESAJ-CD-W/ CESAJ-OD-NH/ CESAJ-PD-E ²²	Contractor to conduct pre and post surveys demonstrating compliance with design. Government to potentially conduct diver survey if bathymetric deficient in determining design parameters. Corrective action if surveys reveal site was not built in accordance w/ design.	Late November, 2013??		Pre-survey included in plans. Meeting 11/12/13 on plans for ARS. GOVERNMENT TO CONDUCT POST/COMPLIANCE SURVEY FOR ACREAGE, RELIEF, RUGOSITY, ETC.
SC 32	Reef surveys (quantitative and qualitative) at permanent stations and reference stations w/ 3 transects at each station - conducted in the entrance channels prior to (baseline conditions), during after work when work occurs w/in 750 meters those stations. A dive QA/QC test to be conducted prior to conducting work to ensure consistency, and review of data forms and presentation of data.	01 57 20 PARA 3.1.10 and 3.2.4	Pre and post works surveys once per week for four weeks and the reports submitted within 30 days. During- work surveys twice per week w/ weekly reports. Any raw data made available upon request. Stress events reported to DEP	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ²³	Contractor to conduct monitoring. Notification to CESAJ-CD-W and CESAJ-PD-E if stress/sedimentation event. Contractor to modify work procedures to avoid impacts. Potential remediation.	Late November, 2013??		Sedimentation monitoring is ongoing and reports being sent to DEP routinely every week.
SC 34	Avoid anchor impacts to hardbottom and seagrass as much as possible. DGPS of anchor points. Notify DEP of any anchor damage to seagrass or hardbottom.	01 57 20 PARA 3.1.5.11	Conducted for duration. Notify DEP w/in 2 days of discovery of hardbottom/seagrass impacts.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E ²⁴	Contractor to conduct diver surveys within 14 days of anchor removal in areas of hardbottom/seagrass to evaluate impacts and report impacts to CESAJ-CD-W and CESAJ-PD-E. If anchor impacts - remediation/mitigation.	As needed	As needed	may need additional discussion on interpretation of specs on this matter.
SC 35	Acropora to be relocated	01 57 20 PARA 3.1.11	prior to construction where impacts could occur	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to relocate acropora. Report results to CESAJ-CD-W and CESAJ-PD-E	Late November, 2013		Approx 40 acropora closest to the channel relocated
SC 36d	Follow manatee/sea turtle operating criteria. Shutdown if sea turtle or manatees w/in 50 feet of operations. Work can resume when animal(s) are outside the 50-foot radius.	01 57 20 PARA 3.1.5.1	for duration of work	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor shutdown when turtles or manatees are within 50 feet of operations.	Routinely	Routinely	

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SC 36 e.	Any collision with and/or injury to a manatee shall be reported to CESAJ-PD-E, CESAJ-CD-N, the FWC "Wildlife Alert" at 1-888-404-FWCC (3922) and USFWS Vero Beach Office at 1-772-562-3909.	01 57 20 PARA 3.1.5.3	for duration of work and report immediately. DEP and other agencies to be notified.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to report any collision with and/or injury to a manatee to CESAJ-CD-W and CESAJ-PD-E, CESAJ-CD-W.	As needed	As needed	
SC 36 i.	Submit report detailing manatee sightings, boat-manatee collisions, and manatee injuries to USFWS and FWCC Imperiled Species Management Section.	01 57 20 PARA 3.1.5.3	Annually to be submitted to agencies	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to provide summary information to CESAJ-CD-W and CESAJ-PD-E.	As needed	As needed	Any observations are being provided in the Daily Report on 4Projects
SC 37, 38, and 39	Submit Blast Watch Plan to DEP, FWC, FWS and NMFS. Note that blasting between 1 November through 31 March may create delays.	01 57 20 PARA 3.1.5.9	Provided at least 30 days prior to blasting. Blast plan provided to agencies.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to provide blast plan to CESAJ-CD-W and CESAJ-PD-E.	February 2014		Blasting might begin March 2014
SC 40 and 41	Evaluate each blast for potential improvements. Blasting injuries/deaths to marine mammals/reptiles would entail review of blast plan (potentially revisions) prior to conducting additional blasting.	01 57 20 PARA 3.1.5.9 (f and g)	Conducted for duration of blasting. Contractor to immediately reports any blasting deaths or injuries. Notification to FWC "Wildlife Alert" at 1-888-404-FWCC (3922) for manatees; USFWS Vero Beach Office at 1-772-562-3909 for manatees and crocodiles; NMFS 772-570-5312 for sea turtles and sawfish; and NMFS emergency stranding hotline 877-433-8299.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to immediately report any blasting deaths or injuries to CESAJ-PD-E, CESAJ-CD-W.	As needed	As needed	Blasting may begin 3/14. CESAJ-PD-E to Notify FWC "Wildlife Alert" at 1-888-404-FWCC (3922) for manatees; USFWS Vero Beach Office at 1-772-562-3909 for manatees and crocodiles; NMFS 772-570-5312 for sea turtles and sawfish; and NMFS emergency stranding hotline 877-433-8299.
SC 42	Submit Blast Event Report to FWC, NMFS and FWS summary information, sitings, etc., and any recommendations.	01 57 20 PARA 3.1.5.9	within 30 days after completion of all blasting events.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to provide reports to CESAJ-CD-W and CESAJ-PD-E	After completion of blasting	As needed	Blastig may begin 3/14
SC 43	List of requirements for Blast Plan and Blast Watch Plan. Blast Coordination Meeting. Formal meeting shall be held with observers, contractors, USCG, FDOT, FWC, FWS, and DEP. If marine reptile/mammal sighted after blast observers shall maintain contact with injured or dead animal and incident immediately reported.	01 57 20 PAR 3.1.5.9	at least two days prior to first blasting event.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to report to CESAJ-PD-E and CESAJ-CD-W any dead or injured animal.	February 2014	As needed	Blastig may begin 3/14
SC 45	Vessel tracking to be conducted. Tracking records to be provided to DEP upon request.	01 57 20 PARA 3.4.6 and 3.1.9 and 35 20 23 PARA 3.4.2	Conducted for duration of work. Information provided to DEP upon request.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to conduct tracking and provide information the web site they establish for this project.	Routinely	Routinely	
SC 46	Provide DEP with progress reports during construction every 3 months.	01 57 20 PARA 3.2.8	every 3 months during construction	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to provide progress reports to CESAJ-CD-W and CESAJ-PD-E.	Routinely	Routinely	Most recent report sent by PD-EQ 10/25/13
Turbidity Monitoring DEP Permit								
SC 14 and 15	Turbidity monitoring for various project component. Notification to DEP BBCS, CESAJ of any turbidity standard exceedance for various mixing zones, as applicable. Provide monitoring data sheets to DEP.	01 57 25 Throughout this section	Monitoring conducted daily for duration.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to monitor for duration. Violation requires cessation of dredging and corrective actions. Increase compliance monitoring to every two hours during daylight and every four hours during nighttime.	Routinely during dredging	Routinely during dredging	

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SC 44	Provide turbidity test reports (electronically) .	01 57 25 PARA 3.2.2	On a daily/weekly basis	Contractor	Contractor to provide reports. Failure to provide could result in revocation of permit. DEP to provide information to BBAP.	Routinely during dredging	Routinely during dredging	
COE Permit (SAJ-2006-06547)/EPA SMMP								COE permit expires 7/25/15. EPA Concurrence expires 12/29/2014
I C.	COE permit limits dredged quantities of the DA permitted areas to a total of 229,000 cy. (Port Berths)	NA	As needed	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to notify CESAJ-CD-W and CESAJ-PD-E of quantities are expected to exceed limit, who notify CESAJ-RD and EPA cy.	If needed	If needed	
1 D	An electronic positioning system shall be used to navigate to and from the ODMDS. If the electronic system fails or navigation problems are detected, all disposal operations shall cease until failure or navigation problems are corrected.	35 20 23 PARA 3.4.6.2	During all disposal operations.	Contractor/ CESAJ-CD-Q	Contractor to notify CESAJ-CD-W, CESAJ-CD-Q and CESAJ-PD-E immediately if outside of approved area. CESAJ-PD-E to notify EPA and CESAJ-RD	Routinely	Routinely	
I G and SMMP	Notification to CESAJ-RD and EPA Region IV if disposal operations are not accordance w/ permit and SMMP, such as mis-dumps, vessel leaving approved corridors, and leakage or overflow during transportation to the ODMDS. Details of violations need to be included in summary reports.	01 57 20 PARA 3.1.5.10 and 35 30 23 PARAS 3.4.2 and 3.4.6.2	As needed	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to immediately notify CESAJ-CD-Q and CESAJ-PD-E, who notify CESAJ-RD and EPA CESAJ-RD at 305-779-6050 and EPA Region 4 at 404-562-9391 within 24 hours after the violation.	If needed	If needed	CESAJ-RD only needs to be notified during dredging of the DA permitted areas.
I H and SMMP	Disposal to take place w/in the designated disposal zone of the Ocean Dredged Material Disposal Site. Disposal shall be initiated in the disposal release zone and shall be completed with the doors closed prior to departing the ODMDS.	35 20 23 PARA 3.4.2 and Plans C-24	During all disposal operations.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to monitor dumps and notify CESAJ-CD-W, CESAJ-CD-Q , CESAJ-PD-E of missed dumps immediately. CESAJ-PD-E will notify EPA Region 4 at 404-562-9391 within 24 hours after the violation.	If needed	If needed	
I I AND K.	Electronic tracking system to be utilized for the duration of the project and include various data, such as load number, volume of load, draft, etc.	01 57 20 PARA 3.1.510 and 35 30 34 PARA 3.4.6	Provided daily on contractor's web site (01 57 20 PARA 3.1.0).	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to conduct tracking and maintain records of tracking.	Routinely	Routinely	
I L.	If hopper dredge is used monitoring for whales to be conducted.	01 57 20 PARA 3.1.5.2	Conducted if hopper dredge is used.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E	Contractor to monitor.	Routinely	Routinely	Information being provided in the Daily Report on 4Projects
II B	Electronic data required in I and J shall be provided to EPA Region 4 in an XML document via email to DisposalData.R4@epa.gov	SMMP	Provided by COB the day after the day data is collected. Data collected on Friday and weekends will be compiled on Monday and provided to EPA by COB on Tuesday.	CESAJ-CD-Q	Part of DQM	Routinely	Routinely	This is being conducted through DQM
Task Reference	Task Requirement to be Accomplished	Contract Specification Reference	Deadline/ Timeframe	Responsible Entity	Compliance/Violation/Exceedance action protocol	Anticipated Date Required	Date Conducted/ Provided	Additional Comments
	After Construction							
DEP Permit								
SC 5	All submittals required in permit to be provided to the DEP offices in Tallahassee (JCPCCompliance@dep.state.fl.us) and Palm Beach (Jason.Andreotta@dep.state.fl.us).	ALL reports with access to site 01 57 20 PARA 3.1.9	Prior to, during, and after construction.	Contractor/ CESAJ-CD-W/ CESAJ-PD-E				

**Environmental Compliance Matrix
Notification and Submittal Schedule
October 2013**

Permit Holder: U.S. Army Corps of Engineers
Project Name: Miami Harbor Phase III
Permit/Authorization No.: 0305721-001-BI (FDEP)
Issuance Date: 5/15/2012
Expiration Date: 5/15/2017

Pre-Con Date: June 4 and 5, 2013
NTP Date: October 10, 2013
Anticipated Construction Start Date: Dredging mid-November 2013
Anticipated Construction Completion Date: 2015

GREEN TEXT = COMPLETED ITEMS YELLOW TEXT=ITEMS OF SPECIAL ATTENTION RED TEXT=IMPENDING ITEMS

Task Reference	Task Requirement to be Accomplished	Contract Specification Reference	Deadline/ Timeframe	Responsible Entity	Compliance/Violation/Exceedance action protocol	Anticipated Date Required	Date Conducted/ Provided	Additional Comments
GC 12, SC 47	Send Notice of Completion, description of work completed, and as-built drawings/survey to DEP	Area Office to supply	After work completed	CESAJ-CD-W				
SC 16	Quantification of Seagrass Impacts. County to monitor seagrass impacts near channel and if amount exceeds 7.9 acres, additional mitigation may be required. Seagrass planting to be completed w/in 2 years after impacts.	County (POM) to supply	After work completed.	County				
SC 22	Seagrass Monitoring of Julia Tuttle Mitigation Area conducted each year for 5 years - shoot counts (growth), percent cover (expansion), success.	County (POM) to supply	After completion of Tuttle Mitigation Area (During May to Oct).	County	Post construction requirement, but the permit does not specify when these reports are required to be submitted?			
SC 23b and c	Julia Tuttle Seagrass Mitigation Site (transects and quadrats) - monitor growth with 70% (or more) cover as goal, and monitor expansion.	County (POM) to supply	Annually, after completion of Mitigation Area (During May to Oct).	County				
SC 24a and b	Julia Tuttle Mitigation Site (bed density and species composition)- establish quadrats (quantative sampling) and provide DEP annually with: Seagrass Mitigation Site Monitoring Reports.	County (POM) to supply	After survey completed (annually for five years).	County				
SC 25c, d, and e	Julia Tuttle Mitigation Site. Shoot density monitored yrs 2 through 5. Success evaluated. Trend analysis performed.	County (POM) to supply	After survey completed (annually for five years).	County	Success Criteria - trend analysis w/ trend toward success or additional planting.			
SC 26 and 27a	Conduct seagrass survey at one year after of completion of work at the interior channel to assess impacts from the work.	County (POM) to supply	One year after completion of work within growing season (May to October).	County	Additional seagrass mitigation, if excessive sloughing occurs.			
SC 28	Submit report associated with 26 and 27a to DEP.	County (POM) to supply	w/in 90 days of survey	County				
SC 30	Monitoring of relocated scleractinian corals after transplant. Measure survival.	County (POM) to supply	monitoring surveys at 6 months, 1 year and 2 years after transplanted. Reports provided w/in 60 days of surveys.	County	If less than 85% survival for 25cm and if less than 75% of 10 to 25cm at the end of two years additional transplanting.			
SC 31b	Establish permanent transects and quadrats at articial reef site and monitor to ensure success. Take photos and video.	County (POM) to supply	Monitor annually for five years after site is completed. Additional bathymetric survey at year 5. Monitoring reports w/in 90 days of surveys and prior to December 1st each year.	County	Additional artificial reef mitigation if site does not achieve success.			
SC 32	Monitoring of reefs adjacent to entrance channels, but only if documented impacts occur from work.	County (POM) to supply	Annual monitoring for 3 years if documented impacts occur.	County	Annual monitoring for 3 years if documented impacts occur.			
SC 47	Submit Notice of Completion to DEP w/ required project information (dates, quantities, etc.).	01 57 20 PARA 1.5	After completion of project.	CESAJ-CD-W				
COE Permit (SAJ-2006-06547)/EPA SMMP								COE permit expires 7/25/15. EPA Concurrence expires 12/29/2014
I K and SMMP	Conduct bathymetric survey of the Ocean Dredged Material Disposal Site (ODMDS).	NA	Within 60 days of completion of disposal in the ODMDS.	CESAJ-CD-W/CESAJ-OD-NH/CESAJ-PD-E.				
II C.	Provide disposal summary reports to CESAJ-RD and EPA Region 4 .	35 20 23 PARA 3.4.6.2	Within 90 days of completion of disposal in the ODMDS.	Contractor/CESAJ-CD-W/CESAJ-OD-NH/CESAJ-PD-E.				

http://www.saj.usace.army.mil/Divisions/Planning/Branches/Environmental/DocsNotices_OnLine_PermitCompMatrix.htm

ADDITIONAL GUIDANCE/NOTIFICATION PROCEDURES:

¹ Contractor notifies CD-W and PD-EQ. PD-EQ to pursue permit modification if necessary

²CD-W provides notifications and conducts Pre-Con Conference

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Task Reference	Task Requirement to be Accomplished	Contract Specification Reference	Deadline/ Timeframe	Responsible Entity	Compliance/Violation/Exceedance action protocol	Anticipated Date Required	Date Conducted/ Provided	Additional Comments
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³ Contractor to establish web site with data on all compliance items for duration of construction (password protected for access to data). This also includes documenting corrective actions from any impacts.

⁴ Contractor, CD-W, and others provide all pre-construction submittals to PD-EQ and forwarded to DEP (SC 12 reviewed by all)

⁵ POM conducted pre-construction seagrass survey in 2012, which serves as baseline survey for dredging contractor

⁶ CT-C coordinates schedule w/ OD-NH, which provides survey to PD-EC (Verhagen). PD-EC provides to EPA and cc to PD-EQ. Refer to COE permit for details: <http://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnviroCompliance/MiamiHarborDeepeningDAperm>

⁷ Contractor notifies CD-W, PD-EP, and PD-EQ if archeological artifacts encountered

⁸ Contractor notifies CD-W, PD-EC, and PD-EQ. PD-EQ forwards schedule information to DEP. Or, schedule on coral relocations may be resolved at Pre-Con meeting

⁹ Turbidity monitoring information (including wind speeds) to be provided by email and maintained on Contractor's web site.

¹⁰ Contractor maintains this information on their web site. CD-Q provides tracking to DEP. If impacts or violations, these are reported to CD-W, CD-Q, PD-EC (Verhagen and Jordan) and PD-EQ. PD-E coordinates w/ DEP.

¹¹ Contractor conducts work in accordance w/ restriction around utility line. County notifies PD-EQ when utility work completed. PD-EQ forwards information to CT-C and DEP

¹² Contractor constructs 16.6 acres of Seagrass Mitigation Area (SMA), based on channel impacts of 7.9 acres of seagrass. Notify CD-W and PD-E (Miller and Jordan) if changes anticipated.

¹³ Contractor constructs SMA in accordance with sediment quality criteria and capping criteria. Notify CD-W, PD-E (Miller and Jordan), and EN-DW if changes anticipated.

¹⁴ Contractor conducts sediment compliance sampling at SMA after placement. Sampling results posted on contractor web site. Non compliant material is removed and replaced and notify CD-W and PD-E of results

¹⁵ Contractor harvests and plants and maps 7.15 acres of seagrass at SMA. Mapping information to be maintained on contractor's web site.

¹⁶ Contractor surveys SMA prior to filling to determine if johnsonii within the SMA, and if so to fill around the johnsonii. Notify CD-W and PD-E (Miller and Jordan), if johnsonii. Data to be maintained on contractor web site

¹⁷ Contractor to assess survival of planted seagrass and report results. Based on results, may entail re-planting at SMA. Report results to CD-W and PD-E (Miller and Jordan). Data to be maintained on contractor web site.

¹⁸ Contractor to conduct seagrass impact survey within 30 days after dredging completion of Fisherman's Channel and compare to POM survey to assess impacts. Report results to CD-W and PD-E (Miller and Jordan). Data to be maintained on contractor web site.

¹⁹ Contractor to conduct sedimentation monitoring Fisherman's Channel and maintain data on contractor web site. Report any stress events and any relocation plans to CD-W and PD-E (Miller and Jordan)

²⁰ Contractor conducts coral relocations (to artificial reef site and 3rd reef) and maintains data on contractor web site. Report updates/results to CD-W and PD-E (Miller and Jordan)

²¹ Contractor will conduct initial relocation monitoring and 30 day post (POM would conduct additional post monitoring). Contractor maintains data on their web site. Notify CD-W and PD-E (Miller and Jordan) of results

²² Contractor will construct artificial reef sites and surveys. Contractor maintains data on their web site. Notify CD-W and PD-E (Miller and Jordan) of results

²³ Contractor will establish monitoring stations and maintain data on their web site. Notify CD-W and PD-E (Miller and Jordan) of results/impacts

²⁴ Contractor monitors and records anchor locations and . Notify CD-W and PD-E (Miller and Jordan) of results/impacts

Contact Information

Contractor (Primary)--

Contractor (Secondary)--

Port of Miami/Dade County (POC Port of Miami)--Becky Hope; (305) 347-4972; Bhope@miamidade.gov

CESAJ-PD-EQ (WQC)--Matthew Miller; (904) 232-1109; matthew.j.miller@usace.army.mil

CESAJ PD-EC (NEPA)--Terri Jordan-Sellers; (904) 232-1817; Terri.Jordan-Sellers@usace.army.mil

CESAJ CD-W (QA)--Al Tibbs; 561-472-3522 ; albert.a.tibbs@usace.army.mil

CESAJ-CD-W (QA)-Shealy Bowell; (561) 308-2116; shealy.c.bowell@usace.army.mil

POC's on all notifications to: Shealy Bowell, Al Tibbs, Matthew Miller, Terri Jordan-Sellers, Laurel Reichold

CESAJ-RD-SM (COE- Area Office)--Albert Gonzalez; (305) 779-6055; albert.gonzalez@usace.army.mil

CESAJ-PD-EC (EPA Issues)--Joelle Verhagen; (904) 232-2416; joelle.l.verhagen@usace.army.mil

CESAJ-PD-EP (EPA Issues)--Rebecca Lee-Duffell; (904) 232-2585; rebecca.l.lee-duffell@usace.army.mil

CESAJ PD-E (Branch Chief)--Eric Summa; (904) 232-2202; eric.p.summa@usace.army.mil

CESAJ-CD-Q (DQM)--Gavin Jackson; (904)232-1362; gavin.w.jackson@usace.army.mil

CESAJ-PM-DW (DQM-2ndary)--John Bearce; (904)232-3525; john.w.bearce@usace.army.mil

CESAJ CD-W (ACO/Area Engineer)--George Cooper; (561) 626-5299; John.G.Cooper@usace.army.mil

CESAJ CO-OM--Al Fletcher; (904) 232-2530; al.l.fletcher@usace.army.mil

CESAJ-EN-DW--Steve Conger; (904) 232-1601; stephen.r.conger@usace.army.mil

CESAJ-EN-GG--Marianne Gruber; (904) 232-2930; marianne.b.gruber@usace.army.mil

FDEP BBCS (JCP Compliance Officer)--Charlotte Hand; (850) 414-7716; JCPCCompliance@dep.state.fl.us

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FDEP BBCS (DEP Permtting and Compliance Management)--Marty Seeling; (850) 414-7731; martin.seeling@dep.state.fl.us

FDEP Southeast District (Field Compliance)-Jason Andreotta; (561) 681-6639; Jason.Andreotta@dep.state.fl.us.

FDEP (Florida Water Resource - Management)--Mark Thomasson; 850-245-8035; Mark.Thomasson@dep.state.fl.us

FWC Imperiled Species Management (F)--Lisa Gregg; (850) 488-6058 x210; Lisa.Gregg@MyFWC.com

FWC Imperiled Species Management (FWC POC)--Mary Duncan; (850) 922-4330; mary.duncan@MyFWC.com

USFWS--Jeff Howe; (772) 469-4283 ext. 112; jeffrey_howe@fws.gov

NMFS EFH (NMFS POC)--Jocelyn Karazsia; 561-616-8880 x207 ; jocelyn.karazsia@noaa.gov

NMFS EFH (NMFS POC)--Kel Logan; 954-356-6790; kel.logan@noaa.gov

Dade County (RER- POC)--Steve Blair; (305) 372-6853; BlairS@miamidade.gov

Dade County (RER-POC)--Sara Thanner; (305) 372-6859; thanns@miamidade.gov

U.S. Coast Guard Marine Safety Office: (305) 415-6670

Environmental Compliance Working Group

CESAJ-PD-EQ (Environmental Compliance POC)--Matthew Miller; (904) 232-1109; matthew.j.miller@usace.army.mil
CESAJ-PM-WM (Project Manager)--Laurel Reichold; (904) 232-1458; laurel.p.reichold@usace.army.mil
CESAJ PD-EC (NEPA/Biology Issues)--Terri Jordan-Sellers; (904) 232-1817; Terri.Jordan-Sellers@usace.army.mil
CESAJ-PD-EC (EPA /Regulatory Issues)--Joelle Verhagen; (904) 232-2416; joelle.l.verhagen@usace.army.mil
CESAJ-PD-EC (EPA /Regulatory Issues)--Rebecca Lee-Duffel; (904) 232-2585; rebecca.l.lee-duffel@usace.army.mil
CESAJ-CD-Q (Vessel Tracking Issues)--Gavin Jackson; (904) 232-1362; gavin.w.jackson@usace.army.mil
CESAJ-PM-WM(Vessel Tracking Issues)---John Bearce; (904) 232-3525; john.w.bearce@usace.army.mil
CESAJ-CD-W (Contracting and On-Site Issues)-Shealy Bowell; (561) 308-2116; shealy.c.bowell@usace.army.mil
CESAJ-RD-SM (On-Site Issues)-- Albert Gonzalez: (305) 779-6055; albert.gonzalez@usace.army.mil
CESAJ-CD-WM (QA-Onsite Issues)--Al Tibbs; 561-472-3522 ; albert.a.tibbs@usace.army.mil
CESAJ-CT-C (Contracting Issues)--Karla Garcia, (904) 232-1433; karla.m.garcia@usace.army.mil
CESAJ-PD-EP(Archeological Issues)--Grady Caulk; (904) 232-1786; grady.h.caulk@usace.army.mil
CESAJ-EN-DW (Design Issues)--Stephen Conger: (904) 232-1601; stephen.r.conger@usace.army.mil
FDEP BBCS--JCP Compliance Officer--Charlotte Hand; (850) 414-7716; JCPCompliance@dep.state.fl.us
FDEP BBCS (DEP Permitting)--Kristina Evans ; (850) 413-7765; kristina.evans@dep.state.fl.us
Contractor Personnel - TBD

Violations

Date	Event	Notification History	Summary
11/27/2013 (approx 1300)	Turbidity Exceedence (Hopper Dredge-Terrapin Island)	11/27/13 Notification	Levels exceeded bacground by approx 80 NTU. Dredging was being completed at time of exceedence. Levels had returned to normal upon return and additional samling

GLDD Submittals:

<https://3g.4projects-na.viewpointcs.com/PreApp/Login.aspx?ReturnUrl=%2fPreApp%2fSelectEnterprise.aspx%3fmode%3drestart&mode=restart&clrSess=true>

Permit:

<http://www.saj.usace.army.mil/About/DivisionsOffices/Planning/EnvironmentalBranch/EnvironmentalCompliance.aspx#Dade>

ODMDS Site Management and Monitoring Plan:

<http://www.epa.gov/region4/water/oceans/sites.html#miami>