

**GALVESTON DISTRICT ENGINEERING WITH NATURE (EWN) DEMONSTRATION  
WORKSHOP MARCH 13-16, 2017  
AGENDA**

**Title: EWN Using Vegetation on Dredged Material Placement Areas**

**Day 1 - March 13, Classroom and Field Days**

**0800-1030 Classroom Session**

**0800-0830** Welcome-Introduction

Introduce Participants

- Why are We Presenting this Workshop
- What's in it for the Participants
- Background/Experience with the Topic
- Expectations for the Workshop

*(Facilitators: Tosin Sekoni-ERDC, Brian Durham-ERDC, Matt Balazik-ERDC, Kevin Philley-ERDC, and Jason Pietroski-ERDC)*

*Presentations (30 min each)*

**0830-0900** EWN: Potentials and Possibilities

**0900-0930** Vegetative Survey

**0930-1000** Biotechnical Planting

**1000-1030** Natural and Nature Based Features: Coir Logs/Coconut Fiber

**1030-1100** Ecological & Regulatory Considerations

**1100-1200 Lunch Break**

**1200-1600 Field Session**

*(Facilitators: Scott Alford-USDA NRCS, Tosin Sekoni-ERDC)*

**1230-1330** Transportation to Field Sites

- Tour of NRG Energy EcoCenter Facility, Baytown, Texas

**1330-1345** Plant Selection, Data Collection-soil Analysis (NPK, pH, Salinity), Growing Season, Temperature, Water Samples

**1345-1400** NRG EcoCenter Overview - Scott Alford-USDA NRCS

**1400-1600** Ex-Situ Harvest/Storage Techniques (Seeds, Sprigs, Cuttings, Rhizomes, etc. as applicable), Field Demo and Harvest Activity (Hands-on)

**\*\*BRING YOUR LUNCH FOR TOMORROW\*\***

## **Day 2 - March 14, Field Day**

**0800-0945** Transportation to Field Sites

- Tour of Texas A&M Sargassum and Dune Experiment
- Tour of Placement Area 4 (PA 4)
- Beneficial Use Site 4A

**0945-1030** Demonstration of Restoration Plot Layout: Stake, Measure, Flag

**1030-1045** Demonstration of Coir Logs/Coconut Fiber Application

**1045-1100** Coir Logs/Coconut Fiber Application (Hands-on)

**1100-1200 Lunch Break**

**1200-1215** Demonstration on Planting Techniques

**1215-1230** Soil Modification (Osmocote Application, Fertilizer Application, etc.)

**1215-1530** Planting Activity and Soil Modification (Hands-on)

**1530-1545** Demonstration on Rainbow/Broadcast Seeding Techniques

**1545-1600** Rainbow Seeding/Broadcast Seeding Activity (Hands-on)

**\*\*BRING YOUR LUNCH FOR TOMORROW\*\***

## **Day 3 - March 15, Field Day**

**0800-0930** Transportation to Field Site

**0930-1000** In-Situ Harvest and Transplant Demonstration

**1000-1100** Planting Activity (Hands on)

**1100-1200 Lunch Break**

**1200-1400** Demonstration of Hydroseeding (*Distichlis Piscata*-saltgrass)

**1400-1600** In-Situ Harvest and Transplant Activity (Hands-on)

## **Day 4 - March 16, Final Day – Classroom**

**0800-0930** Discussion on Monitoring and Data Collection - Interactive

**0930-1000** Discussion on Potential Application and Opportunity - (USACE Properties, USFWS Restoration Projects, etc.) - Interactive

**1100-1130** Workshop Evaluation, Feedback, and Adjourn

## **Contingency Plan (Inclement weather)**

### **Day 1 - 4 - Field Day**

**0800-0815** Transportation to Field Sites

- Designated Area on SWG Property/US Coast Guard Property (TBD)
- Tour of Texas A&M Sargassum and Sand Dune Experiment

**0815-1030** Demonstration of Restoration Plot Layout: Stake, Measure, Flag, etc.

**1030-1045** Demonstration of Coir Logs/Coconut Fiber Application

**1045-1100** Coir Logs/Coconut Fiber Application (Hands-on)

**1100-1200 Lunch Break**

**1200-1215** Demonstration on Planting Techniques

**1215-1230** Soil Modification (Osmocote Application, Fertilizer Application, etc.)

**1215-1530** Planting Activity and Soil Modification (Hands-on)

**1530-1545** Demonstration on Rainbow/Broadcast Seeding Techniques

**1545-1600** Rainbow Seeding/Broadcast Seeding Activity (Hands-on)