

**FISH DETERMENT SYSTEM
FIELD INSPECTION and SURVEY REPORT:
WEEK OF 1/30/2013-2/5/2013**

**In Accordance With The:
FISH DETERMENT PLAN**

**New Bedford Marine Commerce Terminal,
New Bedford South Terminal, New Bedford, MA**



Prepared on behalf of:



Massachusetts Clean Energy Center
as Part of Regulatory Compliance

Prepared by:



1213 Purchase Street, Rm. 206, New Bedford, MA 02740
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**OPERATIONS REPORT:
REGULATORY COMPLIANCE ACTIVITIES
OR-RC-FDP-FISR01-012213**

Version: 01

Date: 2/5/13

Form : FDS-FIF-01

Inspection Completion

Date: 2/2

NBMCT
SOUTH TERMINAL
CONSTRUCTION
FIELD INSPECTION FORM
(FIF)



Doc #: RCF-FDS-01

Location of Inspection:

- CAD Cell
 S. Terminal Area
 Other

Work Performed:

- Standard Weekly Inspection
 Special Inspection:

Personnel:

Jonathan Potts
David Cangarl
Ryan Dahlberg
Scott Magilton
Ward McIntyre

Description of Inspection Work Performed Today (List any activities associated with work inspection):

To optimize the notation capability of the survey team, the inspection was performed via surface supplied-air diving with diver to top-side video and communications. The dive team utilized vulcanized rubber dry suits and KM57 dive helmets to deter any possible exposure to sediment and water column contaminants. The survey team utilized a 600-Ft long umbilical and the diver was equipped with a wrist mounted compass, giving the underwater surveyor the ability to take compass headings and perform transect line surveys to an approximate maximum length of 1200-Ft.

Tasks Completed:

CAD Cell #3 Area

- Weir Inspection
Silt Barrier Inspection
Monitoring Survey
Sonar Video

South Terminal Area

- Weir Inspection
Silt Barrier Inspection
Monitoring Survey
Sonar Video

Results of Inspection (CAD Cell Area):

1. Flat Fish Observations:

- None Encountered
 Flat Fish Encountered (please note # below)
_____ Number of Individuals
_____ Number of Schools (3 or more fish)

2. Fin Fish Observations:

- None Encountered
 Fin Fish Encountered (please note # below)
_____ Number of Individuals
_____ Number of Schools (3 or more fish)

Results of Inspection (South Terminal Area):

3. Flat Fish Observations:

- None Encountered
 Flat Fish Encountered (please note # below)
0 Number of Individuals
0 Number of Schools (3 or more fish)

4. Fin Fish Observations:

- None Encountered
 Fin Fish Encountered (please note # below)
0 Number of Individuals
0 Number of Schools (3 or more fish)

Silt Barrier and Weir Inspection:

CAD Cell #3 Area

Section#	G	S	L	C	A	W	D	Section#	G	S	L	C	A	W	D
1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**G= Good S=Split Seam L=Lifted From Bottom C=Cut / Ripped A=Anchor
Lost W=Weir Damaged D=Anchor Dragged**

South Terminal Area

Section#	G	S	L	C	A	W	D	Section#	G	S	L	C	A	W	D
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>						
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**G= Good S=Split Seam L=Lifted From Bottom C=Cut / Ripped A=Anchor
Lost W=Weir Damaged D=Anchor Dragged**

Fish Removal Activities (CAD Cell Area):

No Action Required = No Fish Detected (during inspection)

Fish Startle System:

Light Bar:

Sound System:

Tactile System:

Other: (Description: _____)

(Description of Fish Startle Activities Undertaken): _____

Other:

(Description): _____

Fish Removal Activities (S. Terminal Area):

No Action Required = No Fish Detected (during inspection)

Fish Startle System

Light Bar:

Sound System:

Tactile System:

Other: (Description: _____)

(Description of Fish Startle Activities Undertaken): _____

Other:

(Description): _____

Recommendations

Recs. to Improve Survey Methodology (~~CAD Cell / South Terminal~~ [circle one/both]):
(Description)

As mentioned on the previous inspection report, this week's survey operations intended to use an underwater propulsion vehicle to enable a SCUBA diver to quickly navigate the anchor and buoy lines associated with the various curtain and weir systems and enhance survey operations. However, due to mobilization delays, the use of the underwater propulsion system was delayed. The underwater propulsion system will be utilized for the next survey.

Recs. to Improve Service Systems (~~CAD Cell / South Terminal~~ [circle one/both])

(Description) Significant improvements continue to be made in regard to the Silt Curtain systems - anchoring improvements and corrective actions to other system associated needs. The Fish Weir needs to be repositioned to a location in closer proximity to the Silt Curtain and similar corrective action taken to improve its condition to that which has occurred of the Silt Curtain systems.

Recs. to Improve General System Performance (~~CAD Cell / South Terminal~~ [circle one/both]) (Description) Please view the above recommendations to improve service system.

Other

(Description) South Terminal stations 14 - 18 were unable to be inspected by the survey team due to system maintenance vessels located at those locations during the time of inspection.

Form : FDS-FMF-01

Date: 2/05/2013

NBMCT
SOUTH TERMINAL
CONSTRUCTION
FIELD MAINTENANCE FORM
(FMF)



Doc #: RCF-FDS-02

Location of Maintenance:

- CAD Cell
- S. Terminal Area
- Other

Work Performed:

- Silt Barrier Maintenance
- Fish Weir Maintenance:
- Bubble Curtain Maintenance:

Personnel:

Josh Ray
Chris Stillman
Jeff Frishman

Description of Maintenance Work Performed During this Maintenance Period (List any activities associated with maintenance):

Replacement of damaged bubble curtain. Realignment of Fish Weir at South Terminal fish exclusion area. Replacement of anchor lines and resetting of anchors at South Terminal and CAD Cell #3 fish exclusion areas.

Tasks Completed:

CAD Cell #3 Area

- Weir Realignment / Maintenance
- Silt Barrier Realignment/ Maintenance
- Anchor Alignment / Maintenance

South Terminal Area

- Weir Realignment / Maintenance
- Silt Barrier Realignment/ Maintenance
- Anchor Alignment / Maintenance
- Bubble Curtain Maintenance

Summary of Maintenance Performed (Cad Cell #3 Area):

__ Realigned, reattached and reset anchors at the CAD Cell #3 fish exclusion area.

Summary of Maintenance Performed (South Terminal Area):

__ Removed bubble curtain identified in the previous inspection report as requiring repositioning and anchoring, and installed a newly assembled system in its place. It should be noted that there was a second system in place, operating continuously during the deployment operation. Began repositioning weir at South Terminal fish exclusion area, and repaired cut section of Silt Curtain at north end of exclusion area including resetting of dragged anchor.

Silt Barrier and Weir Maintenance:

CAD Cell #3 Area

Section#	S	B	R	A	W	P	Section#	S	B	R	A	W	P
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**S=Seam Laced B=Ballast Added/Corrected R=Repaired/Replaced A=Anchor Added
W=Weir Repaired / Realigned P=Dragged Anchor Placed in Correct Location**

South Terminal Area

Section#	S	B	R	A	W	P	Section#	S	B	R	A	W	P
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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