



NEW BEDFORD REGIONAL AIRPORT  
RUNWAY 5-23 – PHASE 4

Reconstruct, Mark and Grove

Weekly Environmental Report

WEEK 4

2014 May 19-23

**May 19, 2014**

Observer: Joe Rogers

Time: 7:00 AM – 5:00 PM

Today's weather: Partly Sunny, Mid 60's, 5 – 15 mph winds, Afternoon sprinkles

**Observed Conditions**

1. Clean gravel was delivered and stockpiled throughout the day at the end of runway 5.
2. Triggered by the rains Friday afternoon through early Saturday morning, the entire length of silt fence on site was walked and inspected. Previous repairs and adjustments were found to have performed satisfactorily and no new issues were noted on the Runway 5 end. On the Runway 23 end one issue along the turtle exclusion barrier was noted and addressed by the foreman. This will be explained below. Rainfall exceeded 0.25" so a SWPPP inspection was filled out per contract agreement.
3. A silt fence modification request made by Oxbow Associates was completed. A small section of fence was relocated so it would tie into an existing retaining wall near the ILS road bridge at the end of Runway 5.
4. Continued dropping water levels in a small pond near the Colonial Hangar prompted a change to the turtle barrier modifications in that area that were requested by Oxbow Associates.
5. Loam was stripped and material graded at the end of Runway 23.
6. Existing water pipe crossing the site was capped. A sump pump was used during the excavation. Pumped water did not affect any wetlands.
7. ET&L installed silt fence around the small pond near the Colonial Hangar per the agreed upon modification requested by Oxbow Associates. The fence was in place by 5 pm. Additional stapling and hay mulching will be completed tomorrow.



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**May 20, 2014**

Observer: Joe Rogers

Time: 7:00 AM – 5:00 PM

Today's weather: Partly Sunny, Low 70's, 5 – 15 mph winds

**Observed Conditions**

1. Work continued on the silt fence near the Colonial Hangar that had been installed yesterday. The fabric was stapled to the stakes to remove any slack in the fence.
2. Excavation of unsuitable fill under Taxiway A continued.
3. A length of silt fence background was added on the south side of Runway 23 per plan to connect two sections of existing fence. The "U" shaped section of fence in the foreground was installed as a temporary control measure during the building of the access road. The area shown will soon be stripped, graded, and infiltration trench added along with a headwall.
4. Extra stockpiled soil on the south side of Runway 23 was removed and trucked off site.
5. Several pits were excavated to cut and cap old water lines that ran under Runway 5. Water in the pipe was drained and pumped into a swale nearby. Pumped water did not impact any wetlands.
6. Hay was spread around the silt fence near the Colonial Hangar to mulch the area disturbed during excavation of the trench. This work completes the requested turtle barrier modification in that area.

**Compliance Issues**

1. Area of silt fence with accumulated sediment that requires removal along the Old Plainville access road – OUTSTANDING.

**May 21, 2014**

Observer: Joe Rogers

Time: 7:00 AM – 5:00 PM

Today's weather: Mostly Sunny, 70°, 5 mph winds

**Observed Conditions**

1. Pre-formed concrete drain components were delivered throughout the day and distributed throughout the work site near where they would be used.
2. Taxiway D to Runway 5 was graded and rolled. Additional loam was stripped in the area adjacent to the taxiway.
3. The excavation of unsuitable fill under Taxiway A to Runway 5 was completed. Fill was added, graded, and rolled.
4. Excess material was stripped from the north end of Runway 23. Excess material was removed from the north end of Runway 23 and trucked off site.



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5. Excavation in the area shown above affected ~20 feet of silt fence used as part of the turtle exclusion barrier. Soil was forced into the fence, compressing it and breaking one stake. The soil was removed and stake replaced.
6. A grader equipped with GPS was used to level some high spots on Runway 5.
7. Large sand bags were filled and stockpiled in case they were needed when installing headwalls for the drainage outflow system

### **Compliance Issues**

1. Area of silt fence with accumulated sediment that requires removal along the Old Plainville access road – OUTSTANDING.

**May 22, 2014**

Observer: Randall Shuey

Time: 7:00 AM – 5:00 PM

Today's weather: Overcast. Rain in afternoon, 60F, calm to light winds

### **Observed Conditions**

1. Excavation of material on 23 end
2. Trucking in of base material for runway
3. Work on underdrains on 5 end of runway.
4. Water truck working full time both in dust control and compaction
5. Fine grading of 5 runway.
6. Review of West Ditch compliance with Epsilon (A Atwell) and GZA (M. Simoneaux).

### **Compliance Issues**

1. Area of silt fence with accumulated sediment that requires removal along the Old Plainville access road – OUTSTANDING.



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**May 23, 2014**

Observer: Randall Shuey

Time: 7:00 AM – 5:00 PM

Today's weather: Partly cloudy to overcast High ??, calm to light winds

### **Observed Conditions**

1. Work on under drained – 5 end
2. Trucking in of final grade material for runway.
3. Hammering ledge at end of 23 runway extension
4. Grading and removal of excess material at 23 end
5. Grading on 5 end runway
6. RAMCO delivered 10 rolls (1,000 feet) of silt fence to site.
7. SWPPP inspection done for post storm – No compliance issues. No discharges noted.
8. Removed sediment from silt fence parallel to access road off Old Plainville Road.

### **Compliance Issues**

1. Area of silt fence with accumulated sediment that requires removal along the Old Plainville access road – SEDIMENT REMOVED - COMPLETED.

### **Action Items**

1. Replace upper row of silt fence along access road as requested by Epsilon and approved by ASG. Need to verify in writing approval by ASG. This is approximately 390 feet of fencing east of the West Ditch.
2. Install additional turtle barrier along Colonial hanger. - COMPLETED
3. Reposition end turtle barrier on south side of west ditch culvert to terminate at allen block wall. - COMPLETED
4. Awaiting approval of restoration plan for west ditch silt fence issue by MADEP - COMPLETED
5. Awaiting approval of change to filter sock on ILS road for logging operation – MADEP - COMPLETED
6. Review status and quantities of adequate erosion control BMPs stock piled on site with ETL for compliance with Spec P-156-3.5 CONSTRUCTION DETAILS - COMPLETED



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Photo 1: View of new turtle barrier around wetland near Colonial Hanger – south side of Runway 5.



Photo 2: Stripping material off 23 end of runway.





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Photo 2: New drainage structures arrived on site this week.



Photo 4: recently excavated swales at subgrade trapped stormwater runoff and prevented discharge to the access road and wetlands north of the 5 end of the runway.



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Photo 5: Turtle sweeps conducted daily have not identified any Eastern Box Turtles on site. This small painted turtle was found in Turtle Nesting Area 3. Oxbow is currently working on plan to identify one-way turtle gate locations now that the site is fully enclosed.



Photo 6: Hammering bedrock encountered at the 23 end pf the proposed runway extension.





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Photo 7 – View of stock pile of silt fence delivered to site on 5/23. The project currently has 10 rolls of silt fence on hand with a total length of 1,000 feet.



Photo 8: The west ditch area and access road were inspected during the Thursday storm event. No discharge was observed. Post storm inspections showed all fence installed by ET&L in compliance





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Photo 9: Vie of accumulated sediment along access road off Old Plainville Road (23 end)



Photo 10: Sediment being removed from access road (23 End). Note sediment outside silt fence is erosion from previous phase/contractor and is outside the ET&L work zone. All sediment on photo is located in upland areas.