



JM Fiske Environmental

NEW BEDFORD REGIONAL AIRPORT  
RUNWAY 5-23 – PHASE 4  
Reconstruct, Mark and Grove  
Partial Weekly Environmental Report  
WEEK 15  
August 2 to August 8, 2014

**8/2/14** – Saturday – No Work

**8/4/2014**

Observer – **Randall Shuey**

Time – **6:00 AM – 400 PM**

Weather: **Light rain overnight, total 0.05 inches. High 81F, rain on Saturday 8/2 1.01 inches**

Turtle sweep conducted at 6:00AM in preparation for clearing operation	
Area between Taxiway A and RW5 flooded again due to rain over weekend.	
Outlet to CB 11 slightly cloudy. No turbid discharge observed beyond silt fence hay bale barrier..	



<p>Water at CB11 outfall on wetland side of fence. Water is clear. Sheen is from bacteria in water and not oil.</p>	 A vertical photograph showing a stream of water flowing through a black mesh silt fence. The water is clear, and there is a slight sheen on its surface. Green plants are growing in the foreground.
<p>Screening of main loam pile at end of RW5. Pile is being dismantled.</p>	 A photograph of a blue excavator with a large bucket attachment, working on a large pile of dark brown loam. The excavator is positioned on a dirt and gravel area, with a green field in the background under a cloudy sky.
<p>Cross culvert outfall. No water flowing on Monday. All silt fence and hay bales intact and secure.</p>	 A photograph of a concrete culvert structure. The culvert is surrounded by a large pile of grey rocks. The structure has a circular opening on the right side. The ground around the culvert is dry and appears to be a construction site.



<p>View of swale and inlet to cross culvert. Area along north side of RW5 being loamed in preparation fro hydro-mulch and seeding.</p>	
<p>Work on Taxiway A extension on RW23 continues</p>	
<p>First layer of asphalt installed on RW 23 end.</p>	
<p>All silt fence and hay bales along perimeter inspected. No issues identified.</p>	

**8/5/2014**

Time – **6:00 AM – 4:00 PM**

Weather: **High 84 F, partly cloudy. Gusting winds**

Observer – **Randall Shuey**

<p>Turtle sweeps began at 6:00.</p>	
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<p>Additional mats for clearing operation arrived today.</p>	 A photograph showing a long trailer loaded with numerous wooden mats or pallets, parked on a paved surface. The mats are stacked high and secured with straps.
<p>Resident engineer asked WS to investigate water quality on MLSAR fill area at end of RW23 MLSAR. Water was brown with tannins and had sheen from bacteria. No water quality issues observed.</p>	 A close-up photograph of a ditch or stream. The water is a dark, murky brown color, indicating the presence of tannins. There is some debris and vegetation along the banks.
<p>Silt fence and hay bales along RW 23 MLSAR inspected. One hay bale out of position was re-installed.</p>	 A photograph showing a silt fence and hay bales installed along a ditch or stream. The fence is made of hay bales and is partially obscured by vegetation. The water in the ditch is brown.



<p>Compaction of Taxiway A extension in preparation of pavement.</p>	
<p>The ponded area within Taxiway A RW5 continues to slowly dry out.</p>	
<p>Tracking of loam up and down slope along north side of RW5</p>	

**8/6/2014**

Time – **6:00 AM – 4:00 PM**

Weather: **High 82, Partly Cloudy, rain and thunder showers expected**

Observer – **Randall Shuey**



<p>Turtle sweeps continue at 5:15 AM</p>	 A photograph showing a bright sun rising over a field of tall grasses under a cloudy sky.
<p>Area between RW 5 and taxiway A is almost dry.</p>	 A wide-angle photograph of a construction site with a large, flat, dry area of earth and some small puddles, bordered by green grass.
<p>CB 11 remains protected by stone, filter sock and fabric cover. Very slow trickle observed entering basin.</p>	 A close-up photograph of a basin containing a grey fabric filter sock, surrounded by gravel and stone.
<p>Electrical work is conducted along RW 5 end of Taxiway A.</p>	 A photograph of a construction site showing a worker in a yellow safety vest and blue shirt working on a dirt path next to a paved road. In the background, there are construction vehicles and a line of trees.



<p>Silt fence and hay bales along south side of Taxiway A (RW5 end) in place but covered up by growth of vegetation</p>	 A photograph showing a silt fence and hay bales that have been almost completely obscured by tall, green grasses and other vegetation growing along the edge of a gravel area.
<p>Catch basin protection in swale on north side of RW23 in place. Catch basins closed to storm water. Asked ETL to install stakes on hay bales.</p>	 A photograph of a catch basin located in a swale. The basin is filled with hay bales, and the surrounding area is a mix of dirt and gravel with some tire tracks.
<p>Second course of pavement added to RW23 end.</p>	 A photograph showing a long, straight stretch of newly paved asphalt road. The road surface is dark and smooth, with a clear center line visible. The background shows a flat landscape under a cloudy sky.



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Fill being installed on MLSAR end of RW23.  
WS monitored work. No discharge of water  
from work zone.



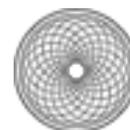
**8/8/2014**

Time – **6:00 AM – 4 PM**

Weather:

Observer –**Earle Chase**

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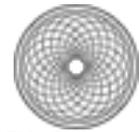
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**8/7/2014**

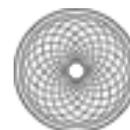
Time – **6:00 AM – 4 PM**

Weather: Partly cloudy/sunny; High temp of 80 degrees; Wind speed of 3-12 mph; Brief thunderstorm - .02 Precip.

Observer – **Earle Chase**



<p>ITS Road: The biomass chips used as a bmp at the edge of the road have worked well – these chips have prevented any soil from reaching the wetlands. Due to the continued twitching of the tree tops, this bmp has been compromised. A new row of chips needs to be re-established to provide maximum protection to the adjacent wetlands. .</p>	
<p>End of RW5: More loam is piled for eventual spreading.</p>	
<p>Area between the Access Road RW5: All of the exposed sub-soils in this area have been covered with an application of loam. The loam has been tracked and hydro-seeding is scheduled.</p>	
<p>End of RW5: Electrical conduit being installed.</p>	



<p>Loamed Area south of Access Road – RW5 End: Upper area (north end) hydroseeded this afternoon.</p>	
<p>Drainage Swale south of Main Access Road – RW5 End: Grass has begun to grow – germination appears good. Some predation of hydroseed was noted by the resident song bird population. Turkeys also noted gleaning seed at the swale.</p>	

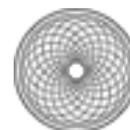
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Observer –**Earle Chase**

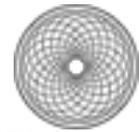
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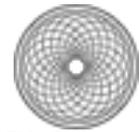
<p>Southside of RW5: Loam is being piled and prepared for application. Exposed subsoils much more prone to erosion continue to covered with an application of loam.</p>	
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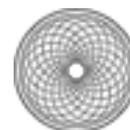
<p>Wetland Impact Site D – north of Plainville Road: A gravel pad was being prepared for the airport’s most northern MALS lighting. Siltation fence and hay bales encircled the elevated pad area.</p>		
<p>RW23 End – Taxiway A: Grading being completed.</p>		
<p>Northside of RW23: The area adjacent the infiltration trench was being loamed. This action covers sub-soils that are more prone to erosion</p>		
<p>Silt Fence on the northside of RW23: The entire length of this fence was swept for turtles – none were observed.</p>		



<p>RW23 on right; the photo is directed north; this area has also received an application of loam. Much of the subsoil at the project site have now been covered with loam. This action will absorb falling rain, substantially reduce surficial runoff and curtail erosion.</p>		
<p>CB3 (at forefront): The adjoining swale was hydroseeded. This effort required coordination between Frank and ETK to access this section of the runway.</p>		
<p>CB3: Task completed.</p>		
<p>RW5 End: More hydroseeding at edge of runway - applied w/hoses to keep hydroseed from runway – methodically coordinated by ETL.</p>		



<p>Headwall 1 at edge of Access Road: The area at the outlet was seeded and mulched last Friday. The mulch square footage was extended and covered with a thicker layer of mulch today. The clarity of outflow was excellent.</p>	
<p>ITS Road (the most southern end) looking north: ETL reinforces the chip bmp on the southside of this road.</p>	
<p>ITS Road: 2:30 pm on Friday – the installation of chips progresses.</p>	
<p>Drainage Swale: Southern end of swale being hydroseeded.</p>	



Headwall 2 - adjacent the Access Road: An area of exposed soils between the headwall and access road was mulched with hay.

