

Mary Griggs

From: Gentry Muniz <gmuniz@ltenv.com>
Sent: Monday, April 23, 2018 5:00 PM
To: Mary Griggs; Brett Forkner
Cc: Trent Green; 'Tyler Amen'
Subject: RE: FIRR response for Stateline well

Mary,

I met with Tyler onsite today and we came to the conclusion that some of the sediment came from the graveled surfaces and a few areas where the Gorilla Snot must have failed. Overall, the Gorilla Snot is still holding up over most of the surface. It looked like the strong winds blew the fines from the stabilized surface around the area where the access road meets the pad. There is some sediment built up at a couple of the check dams in the ditches alongside the access road. It appears the sandy areas north of the access road had the hydromulch blown off by the wind. However, there is evidence that the seeding is working and is beginning to sprout in all the areas Western States seeded. There is also evidence that grass is growing on the east fill slope where the windblown sediment is deposited.

Tyler and I agree that we don't want to cause anymore disturbance by trying to remove any sediment at this point. We recommend another application of the Gorilla Snot and additional hydromulch on the east cut and fill slopes where sand has deposited and in the areas east of the pad where it appears to be more sandy than the others (see Proposed Maintenance.jpg). Tyler is putting together a cost estimate for the additional work and will send that to you directly. When the Gorilla Glue is applied this time, we will be adding a green dye to the mixture so it is easier to see where the application is and hopefully deter people from driving on the protected surface. I do think the products that were used are doing very well and, considering the location and the wind speed up there, the windblown sediment was minimal compared to what it would have been had there been nothing added for stabilization. This site will need maintenance from time to time until it interim or final reclamation can be performed. Open links for photos of today's visit. Let me know if you have any questions.

looking north from SW corner.jpg" at: <https://files.acrobat.com/a/preview/4a5e9051-0d67-4ed7-b6a6-3a911edf9b20>

looking S at fill slope.jpg" at: <https://files.acrobat.com/a/preview/e0b680d8-3799-44b7-8d73-d60e0dd2ebb5>

looking S from NE corner outside fence.jpg" at: <https://files.acrobat.com/a/preview/49b4e34f-84a3-4cd6-9224-b5a0347e2376>

N of access rd hydro mulch blown off.jpg" at: <https://files.acrobat.com/a/preview/f44d943a-7cb1-4fc3-b4e2-2914f5002c2b>

Sandy area NE corner.jpg" at: <https://files.acrobat.com/a/preview/61ceb5d8-752e-496b-a79d-c05930713c63>

seeded area east of fence.jpg" at: <https://files.acrobat.com/a/preview/0dbe6876-1d7d-4de9-aaa8-e354c791960d>

Sediment ref on SE fill slope.jpg" at: <https://files.acrobat.com/a/preview/c4d497fa-5a65-45b9-bd23-1fdb3984e01c>

Grass sprouting through sand.jpg" at: <https://files.acrobat.com/a/preview/07069cdb-80ad-4310-9bdd-1796581f727d>

E cut slope windblown sed.jpg" at: <https://files.acrobat.com/a/preview/a4f5ecb7-af21-4ab2-91cd-fbd50c17d132>

Furrows of grass N of access rd.jpg" at: <https://files.acrobat.com/a/preview/aa168e82-6140-4615-bc40-ef119f0a4838>

grass through straw mulch.jpg" at: <https://files.acrobat.com/a/preview/ff394a5b-aa13-430c-b497-bb846dd5acff>

grass growth with quarter reference.jpg" at: <https://files.acrobat.com/a/preview/2bf31b77-8b6d-467b-87b4-38f33b525da8>

grass sprouting east of fence.jpg" at: <https://files.acrobat.com/a/preview/8936895c-0228-4057-866f-31f964598a12>

Proposed Maintenance.jpg" at: <https://files.acrobat.com/a/preview/220b1fbf-4c51-4ecf-ae6d-28422af417b7>

Thanks

Gentry Muniz

Staff Environmental Scientist