

**From:** [Ex, Peter](#)  
**To:** [Morrison, David](#); [Secheli, Christine](#); [Kara, John](#); [Myers, John](#)  
**Subject:** CFL Update (4-8-19) Inspection  
**Date:** Tuesday, April 09, 2019 8:53:00 AM  
**Attachments:** [IMG\\_0254.JPG](#)

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Here's a quick summary, was going to set up meeting but calendars are looking full most of the day...

Joint inspection conducted w/ RWQCB and Fish & Wildlife (Bryce Howard present half the day, JC Isham (Geologist present all day)

Leachate Seepage into Creek:

- New leachate seepage source discovered at bank of creek below "collection pond", actively discharging leachate into creek, and appears to be seeping through the soil below. CFL reacted quickly by creating a sand bag, clay, thin plastic lined basin to collect and pump into "collection pond". McClean and Williams was in process of installing pump when I left around 3:30pm. They aren't going to be able to divert all of it... seeping through soil. CFL is going to have to start attacking the issue farther upslope.
- RWQCB and Fish & Wildlife very upset about grading done at and basically into creek next to "collection pond". Should have obtained permits first, even in emergency. Minimal erosion control just installed on Monday (asked to install last Thursday).
- Leachate ponding still occurring on next road bench up from creek, still potential for leachate flowing down hill and bypassing "collection pond". JC Isham said he would have Golder Associates onsite today to develop best option to divert upslope leachate from getting into creek
- CFL sending staff this morning to walk entire creek from bottom to top and identify all seepage into creek. Based on our inspection yesterday we are assuming other upslope areas are draining into creek, but likely much slower flow rate.
- Observed holes in thin plastic liner of "collection pond", per JC Isham Recology is giving them a 20x40' piece of 60 mil liner to install in this area today.

Leachate Collection:

- 10 Frack tanks full (200,000+ gallons)
- 3 empty tanks (4 additional to be delivered by today) - many more available
- Module 5B basin "pond" had accumulated a lot of water over weekend, will begin pumping out today (estimate another 50-100K gallons??)
- EBMUD does not appear to be an option without further pretreatment
- CFL contacting facilities across CA to look for alternatives, RWQCB recommended trying simple filtration w/ onsite tanks as a first option
- Bryce is hoping to "dispose" a majority of leachate onto landfill for dust control over summer
- The upper pad of the active landfill was extremely saturated, and a lot of ponding and saturation was observed near the leachate storage frack tanks, so not sure if they are being overfilled, leaking, etc??

Remediation Discussed w/ Bryce:

- Upper landfill areas need to be excavated and repaired to divert leachate back into lined landfill, this process has been ongoing for many weeks.
- The green slopes of the eastern old landfill need new drainage and conveyance systems (to be installed prior to next winter)
- The lower tree covered slopes of the eastern old landfill will need to be excavated to locate seepage and repaired.

#### Erosion/Sedimentation of Creek:

- Yesterday RWQCB and Fish & Wildlife spent some time on the new upper “fire access roads” upslope of the landfill. We observed major erosion issues, sediment going into creek, and heavy equipment digging into soil stockpile for landfill cover causing additional sediment issues.
- Heavy equipment bringing soil to landfill was causing major mud issues on landfill access roads
- A lot of the soil excavated is being used to repair and cover seepage issues
- Fish & Wildlife and RWQCB will likely be referring erosion and sediment issues for additional enforcement. Patrick Ryan said he will probably join me for an inspection later this week as well

#### The Bad:

- Leachate is still actively flowing into the creek
- Major erosion issues
- Leachate disposal unknown
- Some of the leachate sources and causes still seem unknown
- Around 3pm a CFL collection vehicle stated he could no longer access the landfill because the roads were so muddy. Luckily it was a green waste collection vehicle, but it had to be diverted to UVDS. Operator stated they would place a large amount of gravel/rock on the roads today to address the issue, the gravel was observed onsite.

#### The Good:

- Ghilotti has a significant presence and a lot of heavy equipment onsite to work on storm water, leachate seeps, soil etc, but they are making a mess in the process
- McClean and Williams is onsite daily quickly responding to leachate collection, pumping, repairing leaking valves, upgrading tank infrastructure
- Consultants appear to be taking more of a lead role to address issues
- Forthcoming dry weather should hopefully help the operator get some issues under control and be able to make better progress

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