

Agenda

Tailings Certification Working Meeting

25 September, 2007

9:00 a.m. to 1:00 p.m.

1. Welcome
2. Plant and TMA Tour
3. Guidance Document Review
 - a. Edits
 - b. Schedule
 - c. Submittal Schedule
 - d. Submittal Outlines
4. Other
5. Next Steps

35 Oversight Team mtg in Oct.

- ANR presence @ meeting to introduce discussions
- ANR says using § 5 process to make decisions on interim cert & final cert.

Middlebury Rail Spur.

9/7

MOU on alternatives to Trucks.
70,000 truck trips removed from roads
.9¢/ton savings in \$22 mil "user fee"
\$30 mil earmark (Letters) in SAFTLU

- 3.5 MW
- Logan

WR
GRIP trying to get VTcoms into jct
Can ANR partner

WR
Anaerobic ~~methane~~ Ethanol Plant.
BRI Technologies

BRI Energy, com

OMYIA

8/29

What about App for final cont?

Performance Criteria for liner?
What would it be?

OMYA

- ? Use of new TMA if space runs out before certified facility available
- Need financial instrument
- Need final closure plan.
- Incentive → timeline w/ enforcement @ end

Findings
Unreasonable harm to human health
Unreasonable harm to the environment

10/16

Laura Green
Cambridge Environ

Section 5

David Adelman

Are tailings solid waste? Geosyntec

Yes 2 reasons:

① Enriched in arsenic & other non-calcium carbonate mineral

② Contains amounts of flotation reagent (tailings & water)

FA = 91% TCH1 > largely non-toxic
% concern < 7-7.5% AA
1.5-2% Arsenic & AEEA (birth defect
TOSCA 88e report in rats)

AEEA - 1-2 ppb in stormwater, does not bind to rock
- testing has shown in utero exposure severe disecting ~~cardial~~ aneurism

Production
High Volume
Chemical
used in lots of
stuff.
(HPR)

OMYA's Toxicologist trying to look for alt. reason for aneurism.

AEEA - found in 2 samples taken in same well on same day.

Only really looked above 50 ppb

(?? 10 ppb for drinking water)

Sec 5

10/16

Lab going down to 2 ppb

OMYD

- AEEA-free flotation reagent
- Get lower-level lab results
- continuous monitoring

GC

- full human health risk assessment
- Test all wells
- Test humans?
- CDC?
- FDA?

Iron, Manganese - clearly above standards
coming from tailings.

Compression of low dissolved oxygen
liberates Iron & Manganese.

Section 5

10/31

(7)

Hard to know if arsenic is being released because of oxygen depletion in rock (like the case of iron & manganese)

GC ANR Take Control of Process

1. long-term monitoring/detection plan.
2. restoration plan (control system)
3. long-term operating plan

Old Tailings - little to no risk

AEEA coming from fresh process water

LG

- Data from Oct. testing
- Water on top of Grand & Drake @ 400 ppb.

Julie B. When does the Section 5 study "end" we need to think about !!!

Jim Hamilton

10/25

Worried Secy wants to "do something"
about OMYA now!

F/U w/ Jim after \$5 mtg w/ MK

Matt, Cathy

Uncertainty about AEEA.

- Don't know how to effectively measure, ~~what~~ health risks are and how to treat it.

Laura Green

Crucial info has been tailings
are genuinely 3rd category of
"thing" from chemical & biological
standpoint.

Does it exist? Should we create?

* VCE going to try to sue b/c solid
waste need to get enforcement
against ANR or OMYA.

Contaminants of Concern