Mountaine Meeting
2/12/18 @ 10:30

ACOHEN NOTES

Mike Parkowski - Attorney

Catastrophic failure of wastewater
30 45 days

- Which fields?

Map
Total Nitrates 40-60 = Nitrates

1984 townsend completely switched to spray irrigation vs. Nonpoint source

80 samples taken 33 above MCL
no well info taken at that time
that is being investigated now

2010 DNREC Report ~~wa~~ groundwater flow

Mark Eisner - Consultant Hydro
Sept 2017
groundwater flow S-SE

theory septic to well connection

* Since "upset" did extensive hydro modeling & testing
Fastest area movement on 100-150 ft.

Mark Fisher cont

Sept 2017 ~~[illegible]~~ GW Quality Data from Mountain Monitoring Wells

do not indicate flow toward residences

Mike Parkowski

DNREC told mt aire to give bottled H_2O
"it was done poorly"

Alternatives
- Deep well
- Central H_2O

So DE – "corn is king"
corn crops takes lot of nitrogen
historically long before Townsend

Mike Turrell since September

- Effluent results once 2x monthly told DNREC
- Increased Burrer
- no wet weather spray
- solids build up bunkup in ~~[illegible]~~ anerobic pond
- ↑ O_2 into Lagoons – to increase oxidazon
- Solids should be dewatered in finishing pond
  are being
  & left over solids that made to end of process
  physically being removed

Mike Terrell unit

2 types of sludge
- oil
-

- Holding lagoon - temporary trying to dewater & apply to send dry sludge to landfill

Meet w/ DNREC monthly
Send bi weekly report.
daily effluent results
turn off "bird guns"

total N decreased to 125-150 mg/l
total N last 2 results 30-43 gassing out via Ammonia stripping

New lagoon being built to hold interim

- Before [redacted] upset

July 31 - new DNREC permitt w/ concentration
before was #/acre gallons & conc (not in permitt)

Mike P

- Permitt appeal was for 90 day compliance timeframe

Mike Terrell - offer of deep wells to be good neighbor

Mike Tirrell

80 homes tested < Some by DNREC / Some by MtAire

21 interest in deep well < not necessarily exceed MCL / not in neighborhood affected

Working w/ Tidewater H2O

- hired 4 new wastewater operators
  2 in house
  2 professional

MikeP

Surface H2O 2mg/L in freshwater portion of Indian River basin

5mg/L
Seasonal

MikeT hired a Consultant
design of new wastewater treatment due May 2018

AndyD

Sludge monitoring to make sure built-up of sludge

MikeT - sludge will be floated & physical scraping off top
vs old system letting solids settle

Andy
Surface H_2O discharges.

Mike T - NO

Rick R -
property on South

Mike T - Sludge discharge into forested area
not currently being used -

Andy
Mechanisms to supply H_2O -

Mike P
H_2O supply as an off set

Prefer central H_2O supply

Need to get resident buy-in
Millsboro H_2O won't expand
but may sell bulk H_2O

Tide H_2O has PWS well on Rt 5 which can
accomodate
must deal w/ Public Utilities Comission

Mike P Cont

DE Law states residents dont have to hook into public H_2O