5/12/14 9:30 am mtg w/ NHDES (conf. call)

Paul, Tracy, Ken, Tim + Joy

Newport SNC P

① another issue algae bloom w/ lagoons
"roller coaster"

2009 AO new P
12/31/12

open AO - to get quarterly rpts — continued
no resolution in near future

② new AO is needed

Paul H. — comply w/ AO
good contractor
design issue
filters were blinded
clarifier ahead of filters needed

③ get help from EPA

Ken + Tim } spent the most time in the last year + to get system to work
Blueleaf to get chem add
Alum + polymer delivery sys

hard to get that to work
late summer/early fall 2013
filters — normal P + algae mix
{ mechanical prob w/sys
{ cloth filters
{ 25 sections of the filter broke down
replaced since startup
contractor performed test 25 day test
in November 2013
meeting less than 0.35 mg/l P.
→ mech. probs coag or polymer
probs. @ day 21/22
polymer lost to system
took spray to filter system — { pressure washing
why didn't they wait for system to settle down?
the spares filters - failed? { labelling all filter cassettes & tracking this now
filter sections randomly breaking out
— ?? pressure washer
late fall / winter months delay
then ice out of Lagoon #2 — filters
polymer working too well &
begin to make paste to filters
breaking out fabric in filters

load to filters is too great w/algae blooms

loading &
WW characterization is wrong
fair amt of research

is disc filter tech a stand alone tech?
3-4 parts out
needs (lagoon) upfront
FF units w/ lagood sys.
Samsworth — polishing operation
uses disc filters

engineer missed the boat on WW characterization
chem add + clarifier needed

pilot study — 2010 fall Oct/Nov 2010
absolute clarity of lagoon eff.

— best ever quality eff. — 10-days study
not long enough to characterize waste

Tim — notation pilot clog due to algae
at one point
— how were measurements down
if there was no solids?
his charact lagoon filters
need new WW characterization
eng error here

design flow met in permit?
summer blended flow } high flow
} test done
using potable water
to supplement

design flows req'd are fine — not the problem
here

contracts
solids loading to filters }
low phosphorus
WW characterization
problem

bottom line } permit vio's - filter
sections failures
can't process
wastewater @ this
solids load

at some pt bypassing around units
will result in

formal action → engineer (Design by AECOM)
compliance sched.
got remedy clarifier or something

a pour Town —
NHDES to approach Town — work to
negotiate an AOC
may need a special Town Mtg.

If Town won't go to table to
negotiate an AOC w/ NHDES, then
~~EPA~~ to issue AO.

Tracy will keep ~~and EPA~~ in the Loop.