

Industrial Pretreatment Programs

Improving Communications, Relationships, and Outcomes

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INDUSTRIAL PRETREATMENT...

... AIN'T ONLY ABOUT THE WASTE.

HERE'S WHAT TO EXPECT TODAY...

- No perfect scenarios
- No one right way
- No great philosophies

Instead...

Some ideas,
experiences,
and stories with
good endings



BUT FIRST...

•IT'S TIME FOR SOME ENTERTAINMENT!



WHAT DID WE LEARN?

- REGARDLESS OF YOUR ROLE, RESPONSIBILITY, OR EXPERTISE, IT TAKES...
 - UNDERSTANDING
 - COMMUNICATION
 - COOPERATION
 - SUPPORT
 - FOCUS ON GOAL[S]

LET'S START AT THE BEGINNING...

- PROGRAM START-UP
 - SURVEY / QUESTIONNAIRE
 - PERMIT APPLICATION
 - SITE VISIT
 - ISSUING PERMIT
 - MONITORING & REPORTING REQUIREMENTS

DIFFERENT ROLES, SIMILAR GOALS

IDENTIFY & REINFORCE GOALS OF PRETREATMENT PROGRAM RESPONSIBILITIES OF PLAYERS MEASURES OF SUCCESS

WITH WHOM ARE YOU DEALING?

- GET TO KNOW MORE THAN JUST YOUR INDUSTRIAL CONTACT.
- WHO IS THEIR DIRECT REPORT, PLANT MANAGER?
- IS THERE AN OFFSITE HIERARCHY?
- WHO CALLS THE SHOTS?



KEEP YOUR EYE ON THE PRIZE.

PROTECT THE WATERS OF THE COMMONWEALTH

NOW FOR THE STORIES!



BOO'S

MOO'S



BREWS





THE STORY OF THE...

'GHOST' CYANIDE

ONCE UPON A TIME IN 'BATTERY PARK'...

EVERYONE IS GOING ABOUT THEIR DAILY LIVES, WHEN SUDDENLY...

THE 'GHOST' APPEARS

DURING ANNUAL ROUTINE SAMPLING...

- HIGH CYANIDE READINGS (NO WAY!?)
- TRACKING DOWN PROCESS POSSIBILITIES
- LAB STARTED SAMPLING FOR FREE CN INSTEAD OF TOTAL CN. INTERFERENCE EFFECTED FREE MORE THAN TOTAL
- SPLIT SAMPLES REVEALED A PROBLEM
- EPA ADVISED YOU CANNOT SELECTIVELY IGNORE RESULTS FROM A CERTIFIED LAB [AFTER 2ND YEAR]
- GHOST CYANIDE HITS CAUSED CONCERN WITH POTW DUE TO ADDITION OF OXIDIZER LIKE CHLORINE
- AFTER RECEIVING RESULTS EVERYONE RAISED A FLAG AND GOT COOPERATION FROM LAB.

CHASING A SOLUTION

- LAB BOUGHT DEP IN TO AUDIT CYANIDE PROCEDURES AND FOUND INTERFERENCES IN NON-POTABLE TESTING FROM THEIR POTABLE TESTING PROCEDURES.
- CONSULTANT SUGGESTED MORE FREQUENT SAMPLING.
- AGAIN, THE APPROACH AND RELATIONSHIP YOU HAVE WITH COLLEAGUES, CUSTOMERS, AND REGULATORS WILL GO A LONG WAY. HOWEVER...
- YOU SHOULD NEVER TAKE ADVANTAGE OF THAT.



MOO'S

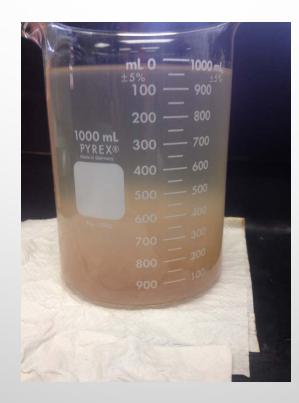
UH OH! THERE'S TROUBLE AT THE DAIRY!

SO, THIS IS WHAT I FOUND WHEN I ARRIVED AT WORK.





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O HISTORY OF POOR RELATIONS WITH IU

- INDUSTRIAL OPERATOR WAS DECEPTIVE, ETC.
- LATER FOUND TO BE FALSIFYING RECORDS

THIS IS WHAT HAPPENS!



JUST KEEP TALKING...

- IU SOUGHT THE ADVICE AND RECOMMENDATIONS OF POTW
- LATER, INDUSTRY AGREED TO USE THE SAME CONSULTANT AND THE RELATIONSHIP CONTINUED TO IMPROVE BECAUSE OF SHARED GOALS AND COMMITMENTS
- PERHAPS WATER CONSERVATION EFFORTS REDUCED FLOW AND THEREFORE INCREASED DETENTION TIME

PROBLEM FOUND, PROBLEM SOLVED!

- FILAMENTOUS ISSUES DUE TO LONG DETENTION TIME IN EQ TANK.
- EVENTUALLY LOWERED FLOATS IN TANK TO REDUCE EQ TANK LEVEL AND DETENTION TIME

AND THE RELATIONSHIP IMPROVES

 AFTER 'CHANGING OF THE GUARD' BORO RELEASED SOME SELF-MONITORING RESPONSIBILITIES BACK TO THE INDUSTRY





WHO LIKES BEER?



MICROBREWERIES ARE POPPING UP EVERYWHERE!

(AND THAT'S A GOOD THING, RIGHT?)

PROBLEM

- BUSINESS IS GOOD
- SURCHARGES WERE THROUGH THE ROOF
- FALLING BEHIND ON SURCHARGE PAYMENTS
- CITY ORDERED THEM TO HIRE CONSULTANT TO INVESTIGATE POLLUTION REDUCTION MEASURES

WORKING TOGETHER

 POTW RECOGNIZED THE STRAIN ON THE MICROBREW AND OFFERED TO FORGO SURCHARGING THE INDUSTRY IF THEY AGREED TO PUT THOSE FINANCIAL RESOURCES TOWARDS WASTE TREATMENT

HEY, HOW ABOUT THIS?

- THOUGHTS OF INJECTING THE STRONG WASTE DIRECTLY INTO THE ANAEROBIC DIGESTER TO INCREASE GAS PRODUCTION WHILE CONSIDERING COGENERATION
- CONTINUE CREATIVE THINKING OF BENEFICIAL RE-USE OF WASTESTREAMS



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• ALL THIS WAS IN THIS INTEREST OF SUPPORTING NEW, THRIVING BUSINESSES / ECONOMIC BENEFIT



Questions?

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