

Successful Source Tests -A Facility Perspective-

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Successful Source Tests

-A Facility Perspective-

- Planning
- Hiring test contractor
- Ensuring safety
- Conducting test
- Preparing report
- What could go wrong?

Planning

- Define requirements
- Set objective
- Identify test methods & process conditions
- Submit test plans & notifications
 - Involve testing contractor and facility
- Communicate internally
 - Week before, day before, morning of
- Over-communicate!

Hiring Test Contractor

- Develop annual scope/schedule
- Determine bidder list
- Request proposals
 - Lump sum, adder costs, exceptions
- Evaluate
 - Safety, cost, technical factors

Ensuring Safety

- Keep everyone safe!
 - General site requirements
 - Area-specific
 - Test-specific
 - Required safety equipment
- Facility point person for contractor

(Handout)

Primary Safety Concerns

- Heat
 - Hot stack and heat-related illness
- Elevated platforms
 - Lifting, dropping, falling
- Electrical connections
 - Especially 480 volt
- Facility emergencies
- Severe weather

Conducting Test

- Set operating conditions/rates
 - Target maximum rates
 - Upsets happen! – wait for stable conditions
- Set pollution control equipment
- Execute test plan
 - Agency observation
- Collect process data
- Review preliminary results

Engineering/Preliminary Testing

- Another kind of test

- Facilities may need to investigate performance over a range of conditions

- Why investigate?

- Understand the compliance envelope, expand operational range, fully utilize equipment

- Don't make today's 'average' tomorrow's 'minimum'

- What to do?

- Communicate upfront

- Move carefully, based on data

- Be prepared for unusual results

Preparing Report

- Provide report template
 - Address required elements
- Review draft report
 - All raw data
- Submit test report
 - 30 days in SC, typical
 - Certified & return receipt
- Review state agency summary

What Could Go Wrong?

-Murphy's Law and O'toole's Commentary-

- Arrival and setup
- Operating/control equipment conditions
- Testing issues
- Calculations and report
- Communication
 - When things go bad, talk to your state

(Handout)