



- West Point Treatment Plant
- Feb. 9, 15 and 16 totaling 235 million gallons
- including 30 million gallons of raw sewage
- By Christine Willmsen and Lynda V. Mapes, Seattle Times staff reporters
- Published April 28, 2017



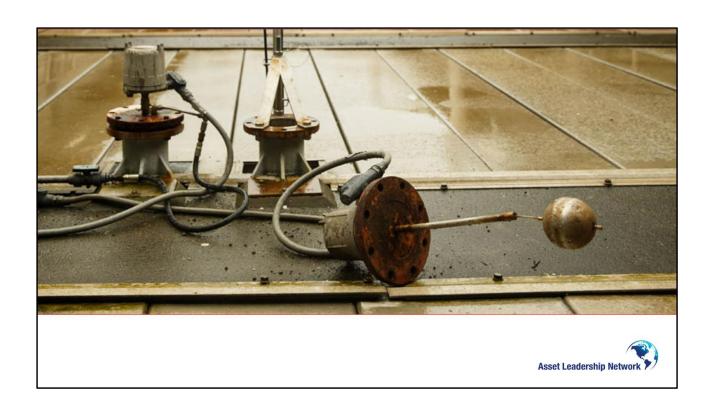














6 Asset Week 2019 The Damage

- The flood at the West Point Treatment Plant caused an estimated \$25 million in damage and required replacement or rehabilitation of
- 1 mile of tunnel,
- 2 miles of insulation,
- 151 electrical motors,
- 125 electrical panels,
- boilers and
- more than 1,000 outlets and switches.

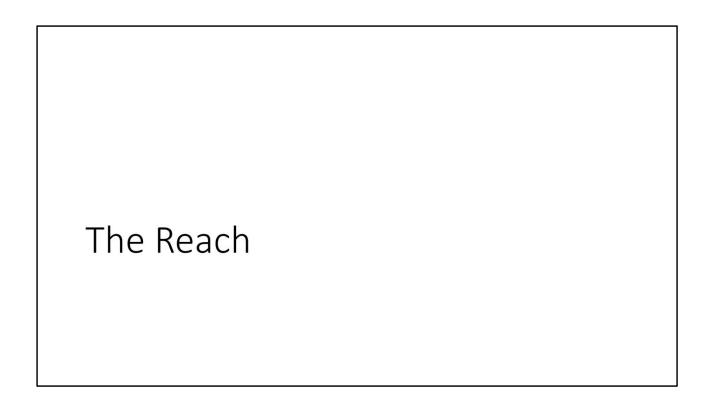




Inactivity

- Known issue
- No action
- No formal obligation via Risk Analysis
- No AM system







Lead

- National Legacy issue
- The challenge
- Beneath the surface
- Records
- Sleeper issue
- Limelight when crisis
- Costly
- Very personal





The Cause

• Change in source water =change in chemical profile

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 Change in something called Langelier's index... measure of corrosiveness

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- Resulted in a solubility of lead
- ...and Asset degradation / performance degradation (no poison) Containment (additional consequential)





Saset Value from Assets Value from Assets

- Value from assets Not negative value (Poison)
- Lesson for AM:
- Micro: AM insufficient risk analysis, leadership (politics over technical)
- Macro: AM is not relegated only to maintenance exercise





6 Asset Leadership Week 2019 The Reach...

- It is an operational issue
- A regulatory issue
- A public health issue

• A comprehensive coordinate set of activities...

