



# E-JIF Update

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# Agenda

- Recent changes to FUND Professionals
- Current coverage
- Available resources
- Program initiatives

# RECENT CHANGES

# Recent Changes to FUND Professionals

- T&M Associates – out, PS&S – In (southern JIFs)
- First Environment – Northern JIFs and Utility Authorities

First Environment, Inc.	PS&S Associates
Rich Erickson – Project Manager	Chris Gulics – Project Manager
Responsibilities: <ul style="list-style-type: none"><li>• Inspections</li><li>• Emergency hotline</li><li>• Environmental alerts?</li></ul>	Responsibilities: <ul style="list-style-type: none"><li>• Inspections</li><li>• Emergency hotline</li><li>• Seminars?</li></ul>

# CURRENT COVERAGE

# Current Coverage

- Underground storage tank (UST) coverage – with approval
- Aboveground storage tank (AST) coverage – specific requirements for underground piping
- Midnight dumping
- Superfund buyout legal representation

# Claims Highlights

## Underground piping (UGP)

Underground leaks may go undetected for a long time, leaving the entity vulnerable to expensive claims that may even exceed the E-JIF level of protection



# Claims Highlights – Underground Piping (UGP) Examples

<b><u>Example 1:</u></b>	<b><u>Example 2:</u></b>	<b><u>Example 3:</u></b>
Seaside Park – 1997	Bayshore Regional Sewerage Authority – 2004	Haddonfield – 2010 (ongoing)
Leak from Department of Public Works (DPW) UGP	Diesel leak from treatment plant UGP	Diesel leak from DPW UGP
Conditional No Further Action (NFA) issued by NJDEP in 2011	Conditional NFA issued by NJDEP in 2012	Compliance with Spill Prevention, Control, and Countermeasure Plans (SPCC) corrosion protection



# Changes for ASTs with UGP

## Applicability

- All ASTs equipped with buried product piping and which convey any of the following:
  - Motor fuel
  - Petroleum products
  - All substances listed in Appendix A of N.J.A.C. 7:1E (hazardous substances)
  - Used/waste oil

## Exemptions

- Members who maintain continuous compliance with N.J.A.C 7:14B-4 and 7:14B-6 (UST Rules)

# Changes for ASTs with UGP

## Requirements

- Any of the following:
  - Conduct biennial industry standard integrity test of all underground piping (inner and outer piping)
  - Maintain compliance with N.J.A.C 7:14B-4 and 7:14B-6
  - Relocate underground piping aboveground so it can be inspected

## Deadline

- Initial compliance deadline of July 1, 2013 – then once EVERY other year! (You should have re-tested if you met the initial deadline.)

# Changes for ASTs with UGP

## Reimbursement

- Still available for existing members
- Submit testing results of one of the approved testing processes, a completed voucher, and an invoice to Steve Sacco (PERMA)
- Voucher forms can be found here:  
<http://www.njejif.org/bulletins.html>
- Upon review, results will be reviewed by PERMA and the EJIF engineer for reimbursement of up to \$400.00 per tank

# Changes for ASTs with UGP

## Compliance

- If you did not test to show a passing pipe integrity test within the last 2 years, that AST is not insured
- Submit passing testing results for one of the approved testing processes, and coverage will be restored
- Submit a completed voucher with the results and a copy of the testing invoice to Steve Sacco (PERMA)
- Upon review, results will be reviewed by PERMA and the E-JIF engineer for reimbursement of up to \$400.00 per tank

# Changes for URHOTs

## Unregulated Heating Oil Tanks (URHOTs)

- E-JIF provides coverage for USTs containing 2,000 gallons or less of heating oil for on-site consumption that are not regulated by USEPA or NJDEP

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# Changes for URHOTs

- Until mid 1980s most USTs made of bare steel
- Likely to corrode over time and allow contents of tank to leak into environment
- Expected lifespan of unprotected single wall steel UST approximately 15 years



# Changes for URHOTs

- URHOTs undergo far less maintenance and scrutiny than regulated tanks
- Almost always have fewer safeguards against failure

*As a result, the E-JIF Executive Committee has approved recommendation to **discontinue coverage** for unregulated tanks that exceed the 20 year age limit by January 1, 2014.*

# NJDEP – Proposed Changes for Regulated USTs

- Published May 4th, 2015
- Existing rules do not require USTs used by emergency generators to have release detection monitoring requirements at N.J.A.C. 7:14B-6. (N.J.A.C. 7:14B-1.4(d).)
- Proposed rules remove this exemption – must comply within 3 years



# NJDEP – Proposed Changes for Regulated USTs

Proposed rules – new definitions for:

- compartmented tank
- Containment equipment
- interstitial monitor
- containment device
- dispenser system
- line leak detector and others

Elimination of ball floats in vent lines for overfill prevention in gravity fed tanks

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Environmental Solutions

# NJDEP – Proposed USTs Changes – Operator Training

## Class A Operator

Has primary responsibility to operate and maintain the UST system, and must:

- knowledge of UST system requirements
- make informed decisions regarding compliance
- ensure appropriate individuals are fulfilling operation, maintenance, and recordkeeping requirements
- be trained in spill prevention, overfill prevention, release detection, corrosion protection, emergency response, product compatibility, financial responsibility documentation requirements, notification requirements, and reporting of releases and suspected releases.

# NJDEP – Proposed USTs Changes – Operator Training

## Class B Operator

Day-to-day aspects of operating, maintaining, and recordkeeping for USTs and must:

- ensure appropriate individuals (typically Class C operators) are trained to respond to emergencies caused by releases or spills
- understand purpose and function of equipment associated with UST systems, product and equipment compatibility, and methods of release detection and release prevention
- meet operation and maintenance requirements, including spill prevention, overfill prevention, release detection, corrosion protection, emergency response, product compatibility, and reporting and recordkeeping requirements
- be knowledgeable about Class C operator training requirements

# NJDEP – Proposed USTs Changes – Operator Training

## Class C Operator

On-site employee, generally the first to respond to potential emergencies, and:

- be an attendant, or monitor dispensing of regulated substances,
- responsible for responding to alarms or other indications of emergencies caused by spills or releases from UST systems
- notify the Class A or Class B operator and appropriate emergency responders when necessary.

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# NJDEP – Proposed USTs Changes

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The new proposed regulations can be found here:

<http://www.nj.gov/dep/rules/proposals/20150504a.pdf>

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# AVAILABLE RESOURCES

# Available Resources

- **Municipal stormwater training video (NJDEP to update soon)**

<http://www.njmel.org/stormwater.html>

- **Continuing education**

- **Seminars**

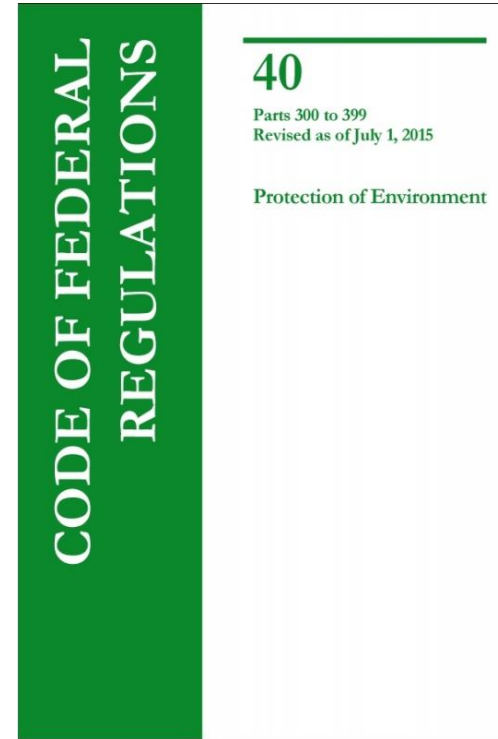
<http://www.njejif.org/environmentalinformation/seminarpresentations.html>

- **Environmental alerts**

<http://www.njejif.org/environmentalinformation/environmentalalerts.html>

# Spill Prevention Controls and Countermeasures (SPCC)

- Federal (EPA) Oil Pollution Prevention (The SPCC rule)
- Federal Clean Water Act
- Oil Pollution Act





# SPCC: Who is Covered?

- Any facility with an above ground oil storage capacity of more than 1,320 gallons of oil in containers with a capacity of at least 55 gallons (standard drum)

OR

- Any facility with more than 42,000 gallons of oil storage capacity underground

# SPCC Training

## Topic include:

- Inspections and monitoring
- Spill response
- Emergency contacts
- Emergency equipment
- Health and safety
- Fuel/oil transfers and storage

## Resources:

- <http://www.epa.gov/oem/content/spcc/tier1temp.htm>
- [http://www.slideshare.net/harvard\\_uos/spcc-training-presentation](http://www.slideshare.net/harvard_uos/spcc-training-presentation)

## Final Rule

## EJIF Resources

- Emergency hotline:  
800.289.6681
- E-JIF website  
(<http://www.njejif.org>)



# New Air Permitting Requirements

- NESHAPS - New EPA requirements – Heating Oil Fueled Boilers
  - 40 CFR Part 63 Subpart JJJJJ
- Area Sources - Industrial, Commercial, and Institutional Boilers
- <http://www.epa.gov/ttn/atw/boiler/imptools/areaboilerbrochure.pdf>

## 40 CFR Part 63 Subpart JJJJJ

- Prepare and submit Initial Notification by 1/20/14
- Prepare Notification of Compliance Status.
- Certify completion of energy assessment and/or tune up, as applicable
- Submit electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) on EPA's Central Data Exchange

## 40 CFR Part 63 Subpart JJJJJ

- Prepare Compliance Certification Report by March 1 of the year after the calendar year during which a tune up is completed for boilers not subject to emission limits. Submit upon request
- Prepare an annual Compliance Certification Report for boilers with emission limits by March 1 of each year. Submit upon request

## 40 CFR Part 63 Subpart JJJJJ

- Prepare and submit the Report by March 15 if any deviations from an emission limit or operating parameter
- Provide notification within 30 days of a fuel switch or physical change resulting in the boiler being in a different subcategory within subpart JJJJJ, becoming Subject to Subpart JJJJJ, or switching out of subpart JJJJJ

# PROGRAM INITIATIVES



# Fats, Oils, and Greases

## Goals:

- Create demand or value to keep materials out of gravity-fed sewer lines
- Add anaerobic digesters at wastewater treatment facilities for production of renewable energy
- Reduce carbon footprint/greenhouse gases
- Reduce natural gas/utility costs
- Create potential for vehicle fuel



# New Possibilities

- Vulnerable facilities assessment – storm protection, identifying facilities that need to be “hardened”, or made “resilient”
- Greenhouse gas reduction program
- Sustainability programs
- Solid waste/food waste resource recovery



# Organic waste/food waste resource recovery

## Proposed bill A4397

### *Key points:*

- financial incentives and benefits for municipalities that host a food waste recycling center (at least the equivalent of \$0.50/ton of food waste accepted at the facility).

# Organic waste/food waste resource recovery

## These benefits can come in any of the following forms:

- Quarterly payments of money in lieu of taxes on the land used for the approved recycling center or other authorized facility
- Exemption from all fees and charges for the acceptance of food waste for composting, anaerobic digestion, or other processing, as approved by the department, of food waste generated within the municipality's boundaries
- Quarterly lump sum cash payments or any combination

# “Distributed Generation”

## Town Center Distributed Energy Resource Microgrid Feasibility Study Incentive Program:

- managed by BPU
- first phase is a grant program to fund initial feasibility studies to determine if a Town Center is a good candidate for a microgrid
- up to \$200,000 to look at initial feasibility
- subsequent grants available to assist further development of engineering design or microgrid, pending approval by BPU
- applicants must show they can incorporate multiple “critical facilities” into microgrid design; up to \$200,000 for initial feasibility
- Critical facilities can be municipal complex, water (or wastewater) treatment facilities, emergency response facilities, or others that provide essential services

# Our Future with Resiliency

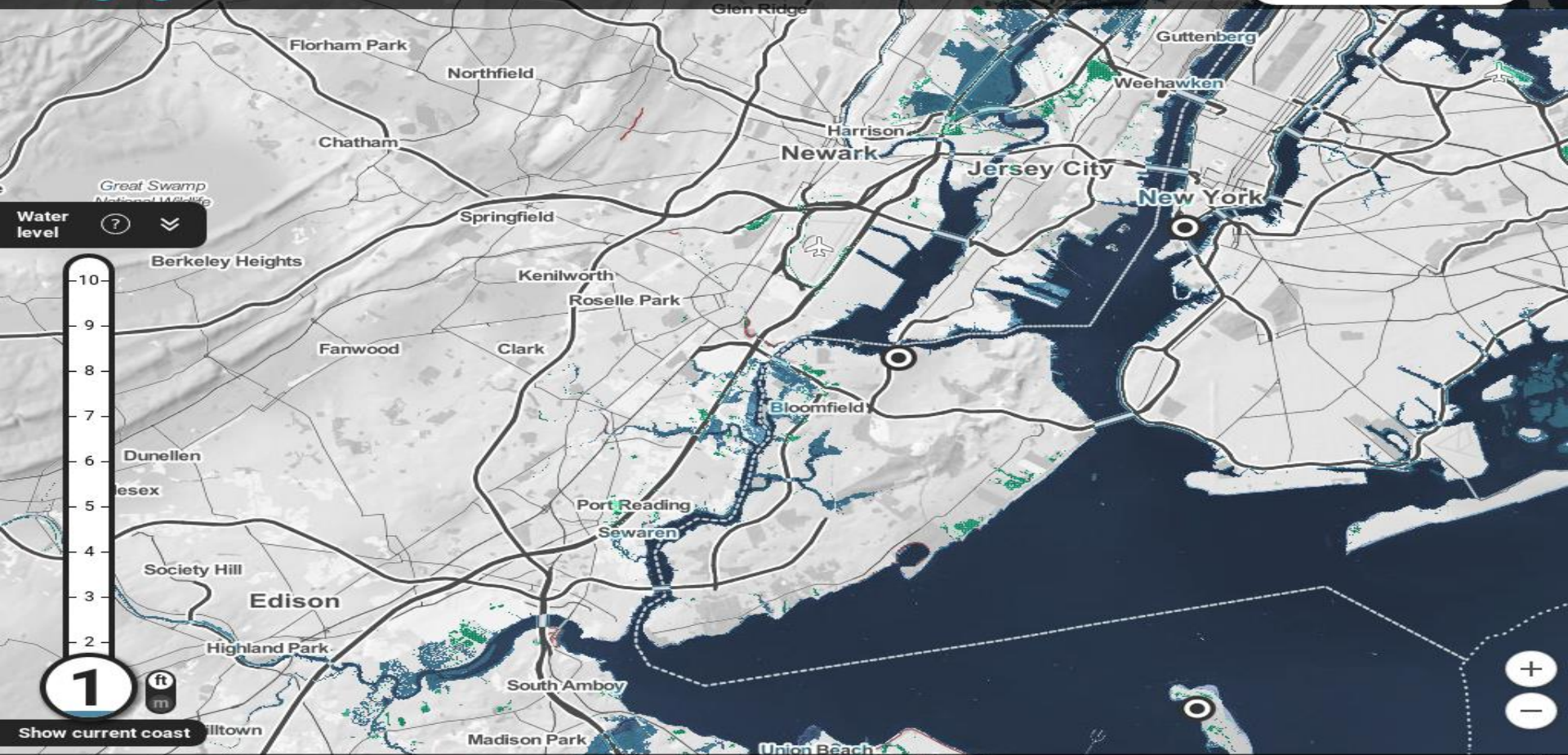
Slides and sea level modeling courtesy of:

Climate Central – Princeton, New Jersey

<http://sealevel.climatecentral.org/>



# Surging Seas RISK ZONE MAP

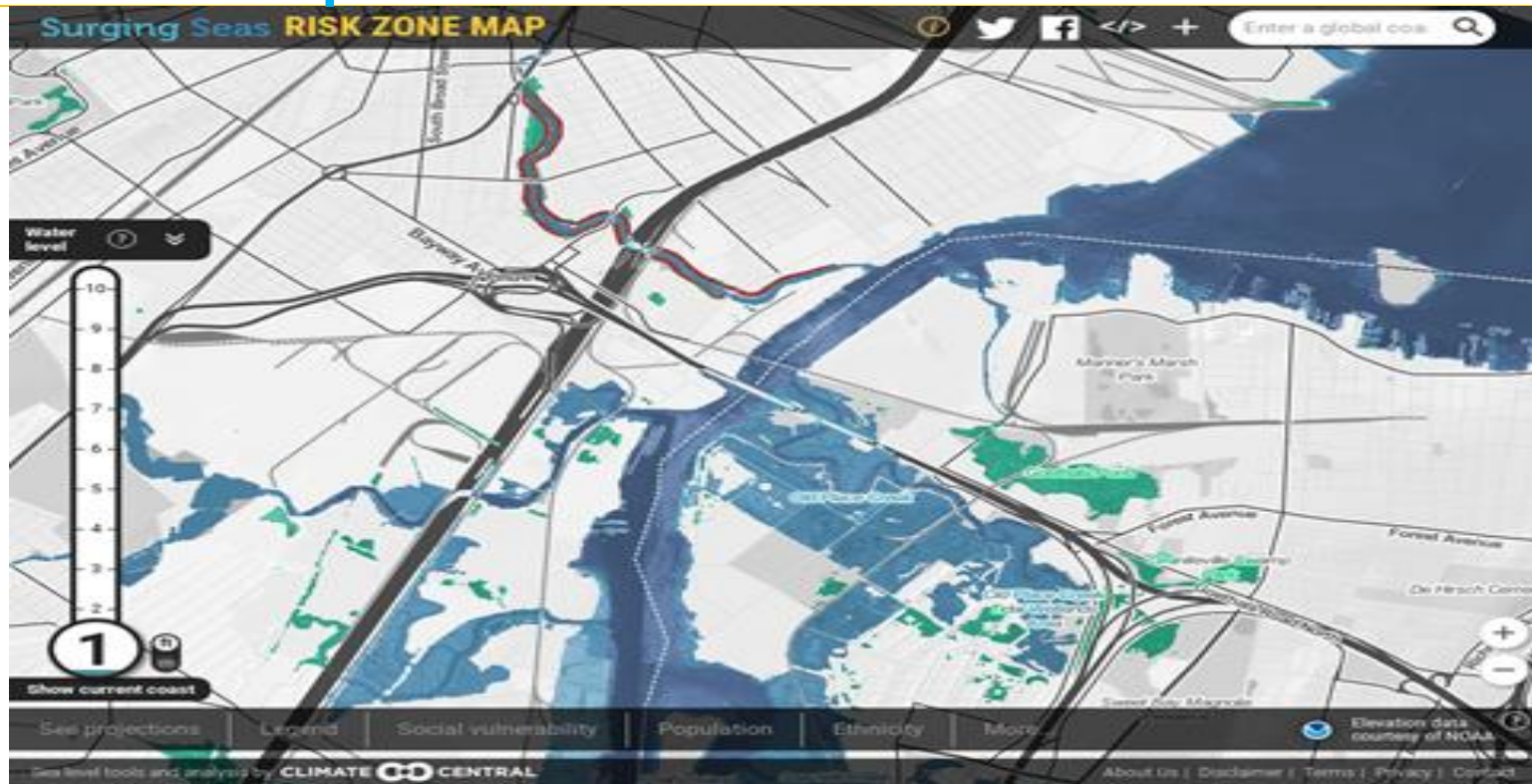


Water level



Show current coast

# Potential Impacts of Sea Level Rise





# Sea Level Rise – Climate Change



# New Possibilities

- **Green infrastructure**
- **Black start**
- **Beneficial water reuse**
- **Public/private partnerships**
- **Biosolids utilization**



**QUESTIONS?**



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