While the world saw all of this...
You may need to find an alternate route....
Well, THAT’S not supposed to be there...
I get the feeling this isn’t going to end well...
How in the world did this end up here?!

ASTs wound up in much more trouble than USTs due to the severity of the storm surge
Where’s the road?
We can’t drive that way…

Some areas were covered by several feet of sand, while others were simply torn apart

Ortley Beach
Wear identifying clothing so someone that didn’t comply with the mandatory evacuation doesn’t mistake you for someone else!
How do we get to that Exxon?

- Ortley Beach
Sea Bright, and this Exxon Station, were under a few feet of sand. Shovels became essential tools.
Many dispensers were knocked over. Fortunately, most shear valves worked properly.
Convenience Stores didn’t fare well either.
Some areas were inaccessible for a couple weeks until the sand and debris were cleared. Many vehicles and structures were washed into the bay behind the barrier islands.

-Long Beach Island
Somewhere in there is a tank field...
We were pleasantly surprised to find no surfaced USTs and very few that had taken on water. The vast majority of owner/operators took this storm seriously and followed DEP and EPA recommendations.
ASTs however, did not survive as well. There were many the storm relocated or simply took away. Our efforts shifted to include investigations of AST sites due to the obvious increased risk.
Most of our marinas experienced major damage. This one lost a dock and the AST was relocated to hang out over the missing dock.
The town of Moonachie, in northern NJ, dealt with a failure of a heating oil AST. When the storm surge abated, there was an oily residue on everything...
The town hall was not immune, and the governor was sure to visit
Any facilities lucky enough to have both fuel and power were VERY popular. Price gouging was an issue, as were how some sites got power, and if they were operating in compliance...
An A for effort. This facility had fuel, but no power. So the owner found a generator to rent...
...but didn’t exactly have it safely hooked up. Our staff was in the room long enough to snap a picture and run out.
<table>
<thead>
<tr>
<th>Sandy AST/UST Checklist</th>
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<tbody>
<tr>
<td><strong>Facility Registration No.</strong></td>
</tr>
<tr>
<td><strong>Comments</strong></td>
</tr>
<tr>
<td>Facility Operating</td>
</tr>
<tr>
<td>Flood Status</td>
</tr>
<tr>
<td>Power</td>
</tr>
<tr>
<td>If No Power-Generator</td>
</tr>
<tr>
<td>Flooded tanks (identify specific Tanks below)</td>
</tr>
<tr>
<td>Visible Sheen</td>
</tr>
<tr>
<td>Tanks Flooded?</td>
</tr>
<tr>
<td>Dispensers Flooded?</td>
</tr>
<tr>
<td>Site Observations/Comments</td>
</tr>
</tbody>
</table>
Thanks to our friends at EPA, we were able to purchase some Petro-Tite units and get trained to do line tightness testing. Once ready, we tested systems in the surge zone that had not done so already, and we have lots of stories...
Critical Lessons Learned

- Work in Teams
- Be patient
- Be mindful of safety at ALL times
- Document investigations/results at the end of each day
- Communicate with each other and affected residents/owners
- Follow up – this is a long process that may take years in some instances
Thank You

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