



*Horton Iron & Metal Corporation Superfund Site, Wilmington, NC*

## Superfund Sites in the Path of Hurricane Florence

*There are dozens of Superfund hazardous waste sites in states potentially affected by Hurricane Florence. Flooding of hazardous waste sites can result in toxic substances finding their way into flood waters and nearby communities.*

Since 1980, the Superfund toxic waste cleanup program has worked to protect the one in four Americans, including more than 10 million children, who live within four miles of the nation's most polluted toxic waste sites.<sup>1</sup> There are over 1,300 of these sites across the country.<sup>2</sup>

Over the years, the Superfund program has evolved beyond just conducting cleanups at traditional hazardous waste sites; the Superfund program now supports response actions triggered by terrorism, natural disasters and other catastrophes. The Superfund program helped respond to the terrorist attacks on the World Trade Center, the anthrax contamination in the U.S. Senate, the devastating Midwest floods in 1993, and the initial federal response to Hurricane Katrina in 2005.

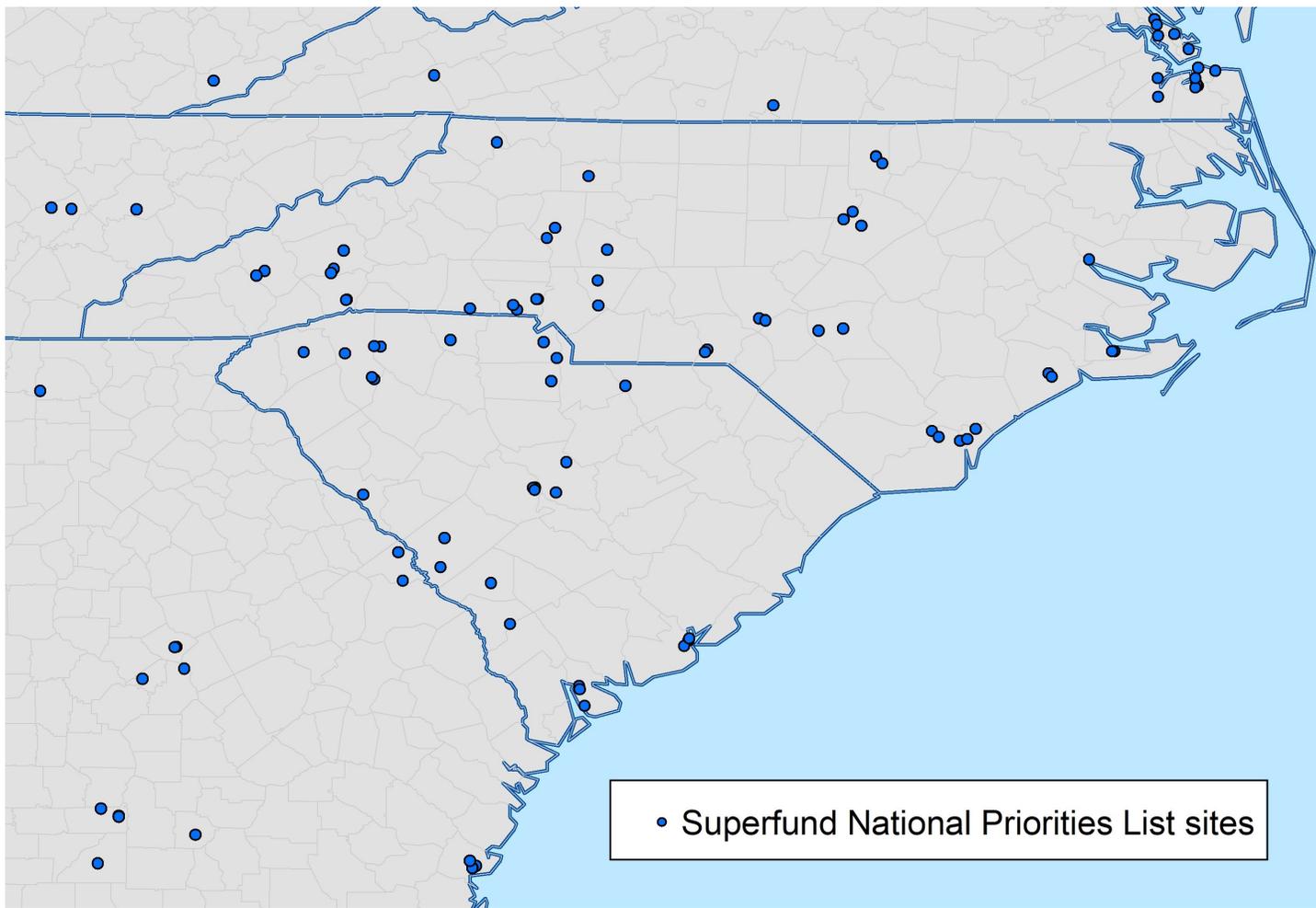
### ***Flooding of Superfund Sites Can Threaten Human Health and the Environment***

In September 2017, 13 Superfund sites were flooded in the Houston, Texas area following Hurricane Harvey.<sup>3</sup> The cancer-causing chemical dioxin leaked at at least one site.<sup>4</sup>

There are 39 Superfund National Priorities List sites in North Carolina; 31 in Virginia, 26 in South Carolina and 16 in Georgia.<sup>5</sup> Each state also has additional hazardous waste sites that are under state supervision.

There are at least nine sites in the potential path of Hurricane Florence that the EPA has identified as sites to watch in the wake of Hurricane Florence.<sup>6</sup> Those sites are:

- Macalloy Corp., Charleston, S.C.
- Koppers Co. Inc., Charleston, S.C.
- Geiger, Hollywood, S.C.
- Parris Island Marine Corps Recruit Depot, Parris Island, S.C.
- Wamchem Inc., Beaufort, S.C.
- Triangle Pacific Corp., Elizabeth City, N.C.
- Cherry Point Marine Corps Air Station, Havelock, N.C.
- Horton Iron and Metal, Wilmington, N.C.
- FCX Inc., Washington, N.C.



*Superfund National Priorities List sites in states potentially affected by Hurricane Florence.*

*Source: Environmental Protection Agency data obtained from National Oceanic and Atmospheric Administration at <https://catalog.data.gov/dataset/superfund-sites>.*

## **Responding to Threats from Toxic Waste Sites**

The EPA is currently monitoring these sites and has announced that it will evaluate the sites after Hurricane Florence and determine if any immediate actions are needed to ensure contamination does not endanger human health or the environment.

People living near the nine sites above should be cautious during the aftermath of the storm. If a person does have to wade into any floodwaters and experiences any negative health effects following the storm, the person should seek professional medical attention immediately. Anyone cleaning out homes or yards after the storm should wear gloves and masks.<sup>7</sup> If government regulators announce that there are toxic spills near your home, follow official instructions before returning to the area or before beginning cleanup.

Finally, the “polluter pays” policy should be restored for Superfund sites. The polluter pays principle makes companies responsible for producing pollution, responsible for paying for the damage done to the site. Congress allowed this tax to expire in 1995. By 2003, Superfund’s coffers were empty. As a result, orphaned site cleanups are now financed through taxpayer dollars. The loss of industry tax revenues led to a decline in performance. In 1999, for example, the EPA cleaned up 89 orphaned sites. By 2009, the number dropped to 19 per year.<sup>8</sup>

The EPA’s ability to remediate these sites is significantly hampered by lack of funding.<sup>9</sup> The long-term solution to protecting people from Superfund sites during storms is to clean up these toxic sites, and the EPA needs the funding to complete these cleanups.

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[environmentamerica.org](http://environmentamerica.org), [uspirg.org](http://uspirg.org), [frontiergroup.org](http://frontiergroup.org)

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North Carolina Department of Health and Human Services



## Notes

- 1 U.S. Environmental Protection Agency, *Superfund History*, accessed at <https://www.epa.gov/superfund/superfund-history>, 13 September 2018.
- 2 U.S. Environmental Protection Agency, *Superfund: National Priorities List (NPL)*, accessed at <https://www.epa.gov/superfund/superfund-national-priorities-list-npl>, 13 September 2018.
- 3 U.S. PIRG, *Superfund Sites Need Testing and Funding Following Hurricane Harvey Flooding* (news release), 5 September 2017, accessed at <https://uspig.org/news/usp/superfund-sites-need-testing-and-funding-following-hurricane-harvey-flooding>.
- 4 Alex Stuckey, "Clean Up of San Jacinto Waste Pits Moving Forward," *Houston Chronicle*, 10 April 2018.
- 5 U.S. Environmental Protection Agency, *National Priorities List (NPL) Sites - By State*, accessed at <https://www.epa.gov/superfund/national-priorities-list-npl-sites-state>, 13 September 2018.
- 6 Rene Marsh, Gregory Wallace and Eli Watkins, "EPA Assessing Vulnerability of At Least 9 Sites in Florence's Projected Path," *CNN.com*, 12 September 2018, <https://www.cnn.com/2018/09/11/politics/epa-florence-toxic-sites/index.html>.
- 7 New York Times, "How to Cleanup After a Hurricane or Flood," 14 September 2017, <https://www.nytimes.com/2017/09/14/smarter-living/how-to-clean-up-after-a-hurricane-or-flood.html>.
- 8 *Politifact*, "Restore Superfund So That Polluters Pay for Cleanups," 1 July 2011, "<https://www.politifact.com/truth-o-meter/promises/obameter/promise/318/restore-superfund-program-so-that-polluters-pay-fo/>.
- 9 U.S. Environmental Protection Agency, "EPA Supports Superfund Polluter Pays Provision," 21 June 2010, available at [https://archive.epa.gov/epapages/newsroom\\_archive/newsreleases/6e61eb7ab20b163c8525774900592657.html](https://archive.epa.gov/epapages/newsroom_archive/newsreleases/6e61eb7ab20b163c8525774900592657.html).