

# King George County LEPC

**2020 Tier II Facility**

**Summary Report**



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# Emergency Planning and Community Right-to-Know Act (EPCRA)

The purpose of a Tier II Hazardous Chemical Inventory Report is to provide State and local officials and the public with specific information on hazardous chemicals present at a facility during the past year. This information is used by the local Fire Departments for personnel training, hazmat pre-planning and local/regional response to spills and/or releases. The information collected from the Tier II report can help firefighters and hazmat technicians respond to the facility with the correct personal protective gear and spill response equipment, preventing injury or death. Finally, Tier II data can assist in the protection of our local environment, through proper prevention, mitigations, and response to hazardous materials incidents.

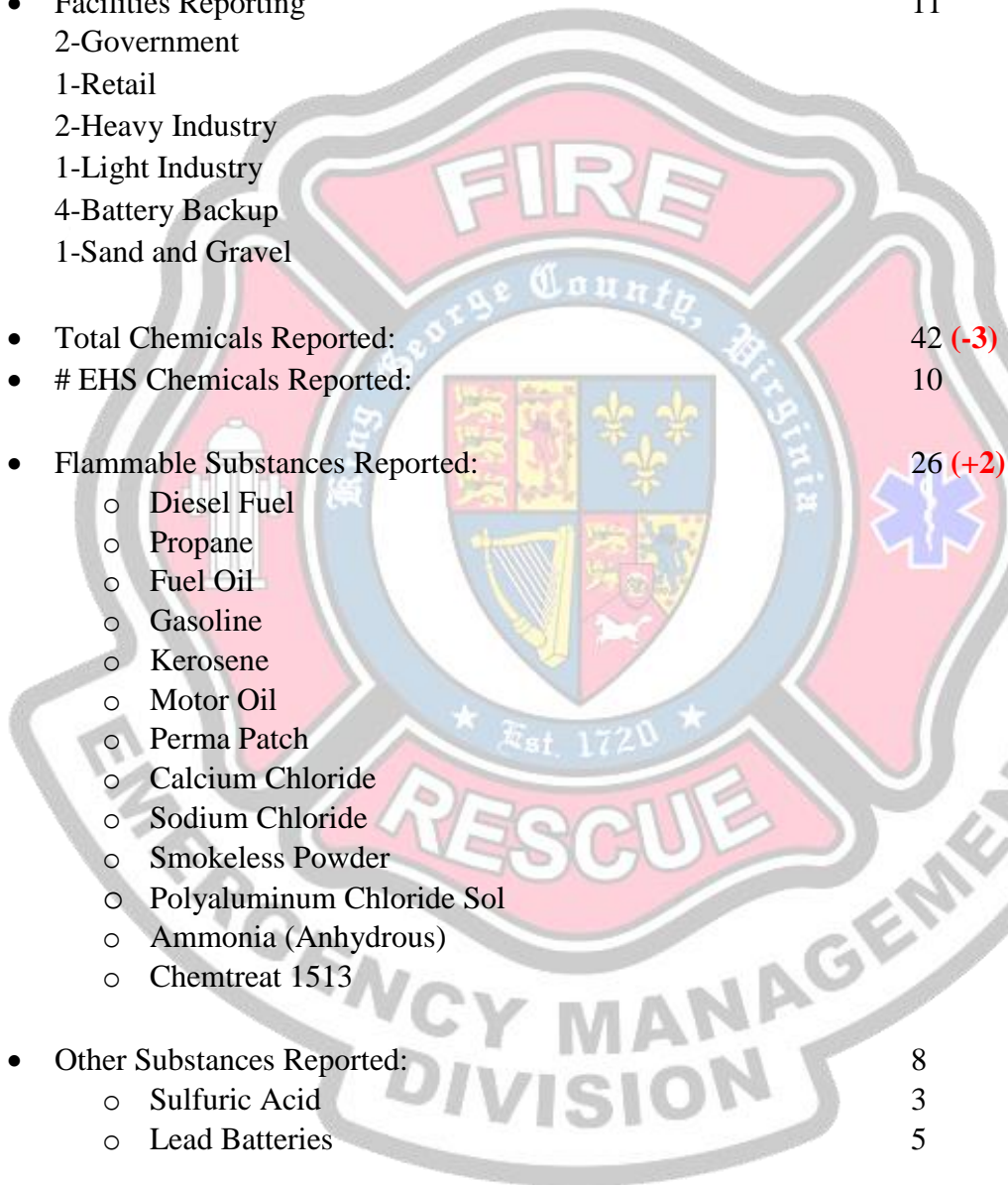
**Reporting Thresholds** (Title III of the Superfund Amendments and Reauthorization Act [SARA] of 1986, Section 312, Public Law 99-499, codified at 42 U.S.C Section 11022) [EPA.gov]:

- For Extreme Hazardous Substances (EHSs), either 500 pounds or the Threshold Planning Quantity (TPQ), whichever is lower.
- For gasoline at a retail gas station, the threshold is 75,000 gallons, if the tank(s) was stored entirely underground and was in compliance at all times during the preceding calendar year
- For diesel fuel at a retail gas station, the threshold level is 100,000 gallons, if the tank(s) was stored entirely underground and was in compliance at all times during the preceding calendar year
- For all other hazardous chemicals: 10,000 pounds

## Tier II Report 2020

## Limited Analysis of Tier II Report-2020

*Red indicates changes from last year*



• Facilities Reporting	11
2-Government	
1-Retail	
2-Heavy Industry	
1-Light Industry	
4-Battery Backup	
1-Sand and Gravel	
• Total Chemicals Reported:	42 <b>(-3)</b>
• # EHS Chemicals Reported:	10
• Flammable Substances Reported:	26 <b>(+2)</b>
○ Diesel Fuel	
○ Propane	
○ Fuel Oil	
○ Gasoline	
○ Kerosene	
○ Motor Oil	
○ Perma Patch	
○ Calcium Chloride	
○ Sodium Chloride	
○ Smokeless Powder	
○ Polyaluminum Chloride Sol	
○ Ammonia (Anhydrous)	
○ Chemtreat 1513	
• Other Substances Reported:	8
○ Sulfuric Acid	3
○ Lead Batteries	5
• Composition of Reported Substances:	
○ Pure	18 <b>(-3)</b>
○ Mix	17
○ Solid	16
○ Liquid	28 <b>(-3)</b>
○ Gas	3

## Tier II Report 2020

- Physical & Health Hazards Involved:
  - Fire 26 (+2)
  - Release 5
  - Reactivity 16
  - Immediate (Acute) 36 (-5)
  - Delated (Chronic) 23 (-12)
  - Respiratory 33 (-2)
  
- Storage Containers Used:
  - Above Ground 32 (-12)
  - Below Ground 6
  - Batteries 8 (-2)
  - Other 24 (-8)
  
- EHS Reports Involving Sulfuric Acid 7
  - Sulfuric Acid in Batteries @ Birchwood (8%)
  - Sulfuric Acid in Batteries @ Birchwood (93%)
  - Sulfuric Acid in Batteries @ Level 3
  - Sulfuric Acid in Battery (UPS) @ Naval Station Dahlgren
  - Sulfuric Acid in Batteries @ Verizon Naval base (7.33%)
  - Sulfuric Acid in Batteries @ Verizon Potomac Dr. (6.14%)
  - Sulfuric Acid in Batteries @ Verizon Kings Highway (8.93%)
  
- EHS Chemicals Reported with no Sulfuric Acid 3
  - Anhydrous Ammonia (99.95%) @ Birchwood
  - Cyclohexylamine (30%) @ Birchwood
  - Nitric Acid (70%) @ Birchwood

### Changes:

- WM Landfill is no longer stocks Sodium Hydroxide Sol.
- Rappahannock Farms Sand and Gravel removed Gasoline and Motor Oil chemicals from their report since both volumes fall beneath the reporting threshold; Gasoline – 1,000 gallons and 500-gallons of Motor Oil.

- **Notes:**

\*All data is compiled as per Tier II Emergency & Hazardous Chemical Inventory Report provided from each reporting facilities.

\*\* All of the changes that were collected from the reporting facilities are indicated in the Tier II Summary Report 2018 excel sheet in **RED** font.



# Tier II Report 2020

## Tier II Facilities in King George County

